Committee of the Whole Work Session

Monday, November 9, 2026 Open Work Session
District Board Room, Enter via Door 5, 501 Chestnut Street, Birdsboro, PA 19508

1. **Meeting Opening**

1.A. **The Open Work Session** By opening the work session to the public, the Board of School Directors is providing an opportunity for interested citizens to become acquainted with issues under discussion by the directors.

The Board will provide the opportunity for audience participation and discussion at the beginning of the work session on agenda items and at the end of the work session for public comment.

All meetings are recorded.

1.B. **Call to Order - Board President**

1.C. **Pledge of Allegiance**

Please rise and join us in saying the Pledge of Allegiance

I pledge allegiance to the Flag of the United States of America, and to the Republic for which it stands, one Nation under God, indivisible, with liberty and justice for all.

1.D. **Roll Call**

1.E. **Announcements - 1.E.1 - 1.E.3**

1. Agenda Edits - none at time of meeting
2. There will be an Executive Session following tonight's meeting to discuss personnel, negotiations and litigation
3. Superintendent Report

1.F. **Recognitions / Presentations - 1.F.1 - 1.F.4**

4. Sweet Impact Award Recipients
    a. Michelle Allinson
    b. Jordan Millard

5. Girl Scouts Silver Award recognition:
    - Girl Scout Troop 1708
        - Madilynn Gershen
        - Clare McClure
        - Alyse Zieske
        - Bethany Evans
    - Girl Scout Troop 1709
        - Alexis Darrohn
        - Madison Floyd

6. Boy Scouts Eagle Award recognition:
    - Boy Scout Troop 597

- Aaron Schaeffer

- Boy Scout Troop 758
  - Talin Rickard
  - Tiegan Rickard

4. Renewable Energy Credit (REC) Presentation

1.G. **Procedures for Public Participation**

Procedures for Public Participation

7. Prepared statements that are to be read to the Board should have a copy presented to the Board President prior to their being addressed.
8. Comments on agenda items will be made by rising and approaching the microphone and stating your name and address and signing on the sheet provided.
9. You will be granted up to three minutes to address the Board. Your three (3) minute time limit will start when you begin to speak. When three (3) minutes are over, you will be asked to be seated.
10. Any item that is not on the agenda, as well as agenda items acted upon, comments will be made at the designated section at the end of the agenda.

1.H. *Act 20 of 1993 amended the law to grant residents and/or taxpayers of the district the right to comment on matters of concern, official action or deliberation that are or may be before the Board.*

Act 93 of 1998 further amended the law requiring the Board to provide an opportunity for public comment by residents and taxpayers before taking official action.

1.I. **Presentations by Public on Agenda Items**

Please refer to the Procedures for Public Participation

2. **Board of Director Reports**

2.A. **Secretary's Correspondence - Board Secretary**

2.B. **Berks County Intermediate Unit (BCIU) Board Report - Mrs. Olafson**

11. **OCTOBER 15, 2026** - Berks County Intermediate Unit Board Report
12. Next meeting is scheduled for **NOVEMBER 19, 2026**

2.C. **Berks Career & Technology (BCTC) Board Report - Mrs. Thompson**

13. **OCTOBER 28, 2026 (East Campus)** - Berks Career & Technology Board Report
14. Next meeting is scheduled for **DECEMBER 10, 2026 (West Campus - Reorganization Meeting)**

2.D. **Committee on Legislative Action (COLA) Board Report - Mrs. Fekelman**

15. **OCTOBER 2026** - Committee on Legislative Action Board Report - no meeting/no report
16. Next meeting is scheduled for **NOVEMBER 10, 2026**

2.E. **Berks EIT (TCC) Tax Collection Commission Board Report - Mrs. Markel**

17. **OCTOBER 2026** - Berks EIT (TCC) Tax Collection

Commission Board Report - no meeting/no report

18. Next meeting is scheduled for **DECEMBER 17, 2026**

2.F. **Blazer Education Foundation Board Report - Mrs. Thompson**

19. **NOVEMBER 5, 2026** - Blazer Education Foundation Board Report

20. Next meeting is scheduled for **DECEMBER 3, 2026**

3. **BUSINESS / FINANCE - 3.A.1 - 3.A.2**

All agreements and contracts are dependent upon solicitor approval

21. **Motion to accept the McNees Wallace & Nurick, LLC donation in the amount of $450.00 for the 2026 Veterans Luncheon Daniel Boone Area School District Table Sponsorship**

22. **Motion to approve the GHR Education Staffing Agreement for nurse services, effective October 8, 2026 through June 30, 2027, as presented (11-16 #5V)**

4. **CURRICULUM / INSTRUCTION / TECHNOLOGY - 4.A.1 - 4.A.2**

All agreements and contracts are dependent upon solicitor approval

23. **Motion to approve the Daniel Boone Area High School 2027-2028 Scheduling and Course Selection Guide, as presented (11-16 #2V)**

24. **Motion to approve the Blazer Virtual Academy (BVA) 2027-2028 High School Course List, as presented (11-16 #4V)**

5. **FACILITIES / MAINTENANCE - 5.A.1**

All agreements and contracts are dependent upon solicitor approval

25. **Motion to approve TRANE proposal #8703583 for the Daniel Boone Area High to provide, program, and check-out replacement controllers for existing chilled water and hot water plant MP581s, at a not to exceed cost of $26,928.00, as presented (11-16 #6V)**

6. **OPERATIONS - 6.A.1 - 6.A.2**

All agreements and contracts are dependent upon solicitor approval

26. **Policies for review in FIRST reading:**

7. **Policy Number**	8. **Title of Policy for review**
9. **807**	10. **Opening Exercises/Moment of Silence/Flag Displays**

27. **Motion to approve the DBASD Board of School Directors Monthly Meeting Schedule for 2027, as presented (Attachment 11-16 #3.1V or #3.2V by vote)**

11. **PERSONNEL - 7.A.1**

All agreements and contracts are dependent upon solicitor approval

28. **Motion to approve the following:**
    a. **Retirements / Resignations**
        i. **Extracurricular**
            1. **Jill Michener, Girls' Basketball 7th Grade - Assistant Coach, Daniel Boone Area Middle School, *resignation* effective November 5, 2026**

            2. **Tyler Richard, JV Wrestling - Head Coach, Daniel Boone Area High School, *resignation* effective October 27, 2026**

    b. **Appointments** ***(subject to submission of required background checks and employment review documentation. Any LTS assignment shall conclude should the district employee return prior to their approved leave end date.)***
        i. **Classified**
            1. **Isabella Detwiler, FT Special Ed Instructional Aide, Tier 1 - 5 days - 7 hours, Daniel Boone Area Primary Center, effective November 16, 2026 or upon completion of required employment documentation, at an hourly rate of $18.67 (new position)**

            2. **Jayda Farley, FT Special Ed Instructional Aide, Tier 2 - 5 days - 7 hours, Daniel Boone Area Intermediate Center, effective November 16, 2026 or upon completion of required employment documentation, at an hourly rate of $20.10 (replace K. Tazouti)**

            3. **Bobbie Jo Oister, FT Special Ed Instructional Aide, Tier 1 - 5 days - 7 hours, Daniel Boone Area Middle School, effective November 16, 2026 or upon completion of required employment documentation,**

at an hourly rate of $18.67 (replace V. Salvatore)

4. Elizabeth Burza, Executive Assistant to the Superintendent, Daniel Boone Area District Office, anticipated start December 14, 2026, at a prorated salary of $59,000.00 (replace A. Martin)

5. Elizabeth Burza, School Board Recording Secretary, Daniel Boone Area District Office, anticipated start December 14, 2026, at a prorated stipend of $4,000.00 (replace A. Martin)

ii. Extracurricular

1. Juan Mauras, Boys' 8th Grade Basketball - Head Coach, Daniel Boone Area Middle School, effective for the 2026-2027 Winter season, at a salary of $2,970.00 (replace C. Halter)

12. OTHER BUSINESS - 8.A.1

29. Motion to approve the minutes from the October 26, 2026 Voting Meeting (Attachment 11-16 #1V)

13. Presentation by Public on Issues

Please follow the procedures outlined in "Procedures for Public Participation"

14. Meeting Adjournment

STAFFING AGREEMENT

This Personnel Staffing and Recruitment Services Agreement (hereinafter "Agreement") is entered into between **Daniel Boone Area School District** (hereinafter "Client") and **GHR Education** (hereinafter "GHR"), effective 10/8/26.

Because GHR is in the business of recruiting employees (hereinafter "Personnel") and referring them to work with Clients throughout the United States and because the Client may be in need of Personnel to staff the Client or Clients (see attached for a complete listing of Clients covered by this agreement if applicable), therefore, the Client and GHR do hereby agree as follows:

SCOPE OF WORK

Client from time to time may need assistance from GHR to source and place contract academic professionals, or Personnel, on contract assignments, including, but not limited to, clinical and non-clinical personnel. These can include, but is not limited to paraprofessionals, teachers, teaching assistants, nurses, counselors, teachers' aides, psychologists, therapists (including SLP, PT, PTA, OT and COTA), as well as other academic professionals as they are needed.

GHR's DUTIES

1. To provide Personnel, who are employed by GHR to the Client to function as staff for the Client. In no way are GHR employees affiliated with Client, and at all times are under the sole employment of GHR. GHR employees are not eligible for Client benefits, including but not limited to, Pension and Health Insurance policies.
2. To provide Personnel, to fill the specific position(s) and shift(s) that the Client requires and indicates.
3. GHR will follow all Federal and State specific Department of Education guidelines and requirements and will provide all documentation and clearances prior to start date.
4. To provide Professional Malpractice and General Liability Insurance in the minimum amount of One Million Dollars ($1,000,000.00) per occurrence, Three Million Dollars ($3,000,000.00) in the annual aggregate and Workers' Compensation in at least the minimum amount required under applicable State law for all supplemental Personnel provided by GHR to Client under this Agreement. Client acknowledges that GHR's Professional Liability Insurance Policies are written on a "claims made" basis. GHR shall continuously maintain such insurance during the term of this Agreement.
5. To verify United States citizenship and maintain all documents required by the Immigration and Control Act of 1986.
6. GHR is an Affirmative Action/Equal Opportunity Employer. In connection with the performance of work under this Agreement and in accordance with all applicable civil and state laws, not to discriminate against any employee or applicant for employment because of race, color, religious creed, disability, marital status, ancestry, national origin, sexual orientation, age, sex, veteran status, genetic predisposition, or any other class protected by law. GHR shall comply, and shall ensure that GHR's employees and independent contractors comply, with Client's nondiscrimination policies and procedures and all applicable Federal and State laws and regulations in the performance of its duties under this Agreement.
7. GHR hereby represents and warrants that it is not now, and at no time has been, excluded from participation in any Federal healthcare programs, including Medicare and Medicaid. GHR agrees to immediately notify Client of any threatened, proposed, or actual exclusion from participation in any Federal healthcare program, including Medicare and Medicaid.
8. To assign a GHR representative to be available to Client for consultation as needed.
9. Following receipt of Client's documentation of unsatisfactory performance or conduct, GHR agrees to dismiss or reassign any Personnel. Nothing herein shall interfere or abridge Client's right to immediately suspend and/or terminate any Personnel for any reason associated with unsatisfactory performance or violation of any Client rule or regulation that has been previously provided to GHR.
10. HIPAA Policy - As a Business Associate of the Client, GHR acknowledges and assures that it maintains a HIPAA Policy with each of its employees, and each of GHR's agents, representatives, officers and employees will comply with GHR's HIPAA Policy, and shall agree to safeguard each patient's medical information according to GHR's policies.
11. FERPA AND HIPAA – GHR shall observe any and all requirements that may pertain to FERPA or HIPAA as it relates to student records and shall comply with Client's policies, state, and federal law regarding the same. To the extent required by law, GHR shall protect the privacy and provide for the security of Protected Health Information (PHI) disclosed to GHR as the result of providing services pursuant to this Agreement in compliance with the Health Insurance Portability and Accountability Act of 1996, as amended, and regulations promulgated thereunder by the United States Department of Health and human Services. GHR may use and/or disclose PHI received by GHR solely for the purposes of providing the services pursuant to this Agreement, and GHR shall not use or further disclose Client's PHI other than as permitted or required by this Agreement or as required by law. GHR shall use appropriate safeguards to prevent uses or disclosures of Client's PHI that are not provided for in this Agreement, and GHR shall maintain a comprehensive written information privacy and security program that includes administrative, technical, and physical safeguards appropriate to the size and complexity of GHR's operations and the nature and scope of its activities so as to protect PHI and student-protected FERPA information.
12. Privacy and Confidentiality Policy – GHR is committed to maintaining the privacy, confidentiality and security of personal and other sensitive information of Client. This includes online privacy and appropriate physical security of records and security safeguards for computer and network systems. This policy applies to all business information regardless of format or how it is collected, stored or recorded.

CLIENT's DUTIES

1. To notify GHR of the number of Personnel needed by the Client, the proposed starting date for Personnel and the job description and applicable responsibilities for any requested Personnel.
2. To notify an appropriate GHR representative immediately and provide in writing, evidence of unsatisfactory performance or misconduct of Personnel provided by GHR.
3. Client agrees to provide GHR with written notice of any employee related incident within 24 hours of any specific occurrence involving any of GHR's employees. Once written notification has been provided to an appropriate GHR contact; Client will be contacted by GHR's Director of Human Resources to discuss what measures will be taken to resolve any immediate issues or address any future concerns.
4. All amounts payable by Client are due within forty-five (**45)** days from the invoice date as stated on the applicable GHR invoice for which services were rendered without deduction or setoff and including all applicable state taxes, unless Client is tax exempt and provides a valid exemption certificate. Client agrees to notify GHR within 24 hours of any invoice discrepancies and not to short pay any GHR invoice unless agreed upon in writing by both parties. Should Client default on this agreement GHR shall have the right to impose a finance charge equal to 10% of the outstanding balance and Client agrees to pay for all costs and legal fees associated with GHR's collection efforts, until the entire debt has been paid in full to GHR.
5. Provide GHR signed timecards by an authorized representative of the Client each Monday morning by 9:00AM or agree to participate in using GHR's automated biometric time clock system.
6. Agree to compensate GHR for services rendered as established in all signed attachments(s).
7. Provide GHR's employees with the necessary and sufficient direction, information and orientation to assure each employee's ability to perform its duties in a safe manner and to the Client's satisfaction.

MISCELLANEOUS PROVISIONS

1. **Indemnity**
Client agrees to indemnify, defend and save GHR harmless from, against, for and in respect of all claims, actions, damages, losses, liabilities, deficiencies or judgements ("Claims"), including, but not limited to, reasonable attorney's fees and other costs and expenses incident to any suit, investigation, claim or proceeding, which are suffered, sustained, incurred or required to be paid by GHR and are caused by any breach of this Agreement by Client or arising out of Client's performance of its obligations under this Agreement. Notwithstanding this indemnification, nothing shall require Client to indemnify GHR for any Claims that arise or accrue as a result of the negligent, willful, or intentional conduct of GHR, its agents, or employees.

GHR agrees to indemnify, defend and save Client harmless from, against, for and in respect of all claims, actions, damages, losses, liabilities, deficiencies or judgements ("Claims"), including, but not limited to, reasonable attorney's fees and other costs and expenses incident to any suit, investigation, claim or proceeding, which are suffered, sustained, incurred or required to be paid by Client and are caused by any breach of this Agreement by GHR or arising out of GHR's performance of its obligations under this Agreement. Notwithstanding this indemnification, nothing shall require GHR to indemnify Client for any Claims that arise or accrue as a result of the negligent, willful, or intentional conduct of Client, its agents, or employees.

2. **Contract Term**
This Agreement shall be in effect from 10/8/26 until 6/30/27.

3. **Notices**
Any notice or other communication by either party to the other will be in writing and will be deemed to have been given when hand delivered, sent by nationally-recognized overnight delivery service, or mailed, postage prepaid, registered or certified mail, addressed as follows: GHR Healthcare, LLC, 1 Valley Square, Suite 200, Blue Bell, PA 19422, Attn: Controller.

4. **Access to Books, Documents and Records**
For a period of four years after the expiration or termination of this Agreement, GHR shall make available, upon request from the Secretary of Health and Human Services, the Comptroller General of the United States or any of their duly authorized representatives, this Agreement and books, documents and records of GHR that are necessary to verify the nature and extent of the costs of the services provided hereunder by GHR, in accordance with applicable United States government regulations in effect from time to time.

5. **Confidential Information**
Both parties shall comply with all federal and state laws and regulations and with all bylaws, rules, regulations regarding the confidentiality of patient related information.

6. **Assignment; Parties Bound**
Client may not assign this Agreement or its rights or obligations hereunder without the prior written consent of GHR. GHR may assign this Agreement and its rights and obligations to a third party, including in connection with (i) an assignment to GHR's parent corporation, GHR Healthcare, LLC ("Parent') or any of its subsidiaries or affiliates or (ii) an assignment to a third party who acquires all or substantially all of Parent's assets whether through purchase, merger or otherwise. Upon any valid assignment, this Agreement will be binding upon and will inure to the benefit of the parties and their respective successors and assigns.

7. **Remedies For Nonpayment**
If the Client does not pay GHR through no fault of GHR, within seven (7) days from the time payment should be made as provided in this Agreement, GHR may, without prejudice to any other available remedies, upon seven (7) additional days' written notice to the Client, stop the Work of this contract until payment of the amount owing has been received. The compensation due shall, by appropriate Modification, be increased by the amount of the GHR's reasonable costs of demobilization, delay, remobilization, late fees and counsel fees.

8. **No Waiver**
The waiver by either party of any breach or violation of any provision of this Agreement will not operate as, or be construed to constitute, a waiver of any subsequent breach of the same or any other provision hereof.

9. **Workers Compensation**
The Client's obligation to defend, indemnify and hold GHR harmless shall not be limited or restricted by the amount or type of damages, compensation or benefits payable under any workers' compensation, disability benefit or other employee benefit acts. Said obligation to indemnify and defend GHR includes, but is not limited to, claims wherein Client is required to indemnify GHR from liability for GHR's alleged acts and/or negligence which result in harm to the Client or agents, employees, officers and representatives of the Client. In such event, the Client waives the protections of the Workers' Compensation Act.

10. **Waiver of Subrogation**
To the extent permitted by law, Client waives all rights of recovery or Subrogation and all claims against GHR and its agents, servants, representatives, employees and officers to the extent those claims are covered by Insurance obtained, whether or not those claims are out of the negligence, strict liability or other actions or inaction's of GHR or its agents, servants, representatives, employees and officers.

To the extent permitted by law, GHR waives all rights of recovery or Subrogation and all claims against Client and its agents, servants, representatives, employees and officers to the extent those claims are covered by Insurance obtained, whether or not those claims are out of the negligence, strict liability or other actions or inaction's of Client or its agents, servants, representatives, employees and officers.

11. **Limitation of Liability**
With the exception of the parties' indemnification obligations set forth above, in no event, including, without limitation, negligence or any other theory of liability, shall GHR, its subsidiaries, attorney's, affiliates, agents, officers, directors, employees, partners, or suppliers be liable to the Client, its employees, agents, officers, directors, employees or partners, or any third party for any special, punitive, incidental, indirect, exemplary or consequential damages of any kind.

With the exception of the parties' indemnification obligations set forth above, in no event, including, without limitation, negligence or any other theory of liability, shall Client, its subsidiaries, attorney's, affiliates, agents, officers, directors, employees, partners, or suppliers be liable to GHR, its employees, agents, officers, directors, employees or partners, or any third party for any special, punitive, incidental, indirect, exemplary or consequential damages of any kind.

12. **Section Headings**
The section headings in this Agreement are for convenience only and will not affect its interpretation.

13. **Entire Agreement**
This Agreement and all attachments and exhibits set forth all of the promises, covenants, agreements, conditions and undertakings between the signing parties with respect to the subject matter of this Agreement and shall supersede all prior written or oral understandings between the Client and GHR.

14. **Survival**
Client's obligations pursuant to Articles 1 and 5 shall survive the termination of this Agreement.

15. **Governing Law; Venue**
This Agreement and all of the rights and obligations of the parties hereto will be construed, interpreted and applied in accordance with and governed by and enforced under the laws of the Commonwealth of Pennsylvania. The parties hereto agree that Court of Common Pleas, Philadelphia, will be the proper place of venue for suit on or in respect of this Agreement.

16. **No Construction Against Drafter**
No inference in favor of or against either party to this Agreement shall be drawn from the fact that such party has drafted any portion of this Agreement.

17. **Execution**
This Agreement may be executed in counterpart and delivered by facsimile or email pdf and same shall, when taken together, constitute a good, binding and fully executed Agreement properly delivered.

In consideration of the mutual promises set forth herein, both parties do adopt this Agreement.

Daniel Boone Area School District **321 N Furnace St. PO BOX 490** **Birdsboro, PA 19508**	**GHR Education** **1 Valley Square, Suite 200** **Blue Bell, PA 19422**
Signature	**Signature** Mike Alcott
Print	**Print** AVP of Education
Title	**Title** 10/8/26
Date	**Date**

ATTACHMENT
SCHOOL STAFFING FEE SCHEDULE

1. **Client agrees to pay GHR fees as follows:**

Certification	Hourly Rate	Certification	Hourly Rate
Para	$35.00	PT	$92.00
Psychologist	$125.00	PTA	$75.00
RBT	$45.00*	OT	$92.00
BCBA	$115.00	COTA	$75.00
Special Education Teacher	$85.00	SLP	$95.00
Social Worker/Counselor	$85.00	SLPA	$80.00
RN	$67.00		
LPN	$57.00	Interim Superintendent	TBD
CSN	$77.00	Interim Director	TBD
CNA	$47.00	Interim Sup/Principal	TBD

- Overtime bill rate is time and one-half for all hours worked by GHR employees over forty (40) hours in any given week
- Mandatory In-service days, orientations, restraint training or professional development days are billed at contracted rate.
- *In accordance with BACB guidelines, RBTs must be supervised by BCBA. Client will be charged BCBA rate for supervision (5% of total hours worked by RBT) unless District provides BCBA supervision.

2. **Cancellations**
Client agrees to provide GHR with at least two (2) hours prior notification before canceling any previously confirmed per diem assignment. Cancellations of any per diem assignment with less than the requested prior notification to GHR, will result in a two (2) hour charge to Client at the appropriate scheduled rate. Client also agrees to provide GHR two (2) weeks prior notification before canceling any ongoing or contract assignment. Cancellations of any ongoing or contract assignment with less than the requested prior notification to GHR, will result in a two (2) week charge to Client at the appropriate scheduled rate. If a shift is cancelled during an ongoing or contract assignment, GHR will bill the client the total hours of the scheduled shift.

3. **Direct Placement Policy and Non-Switch Policy**
In consideration of GHR's efforts to locate and assign Personnel under this Agreement, Client agrees not to employ any Personnel referred by or scheduled through GHR for a period of one year from referral, receipt of resume, shift confirmation, or last date worked at Client through GHR without first paying GHR a direct placement fee. Upon hiring any of GHR's Personnel, Client agrees to pay GHR the following fee schedule within thirty (30) days of candidate's start date, including all applicable state taxes, unless Client is tax exempt and provides a valid exemption certificate.

- **All Level Positions -** 20% of first year's annual compensation at Facility, including any shift differentials, and sign on bonuses.

Any Personnel hired by CLIENT solely for direct placement through a GHR referral shall be guaranteed for a period of thirty (30) days from their start date. Should any GHR referred Personnel terminate employment or become terminated for cause within the first thirty (30) day period, GHR will retain and apply the fee to any outstanding invoices, or refund 100% of the placement fee.

If GHR's Personnel is currently working or has worked for client through GHR within the last 365 days, that particular Personnel shall remain GHR Personnel and cannot work at any CLIENT location through any other agency for a period of one year from the last date worked through GHR. Should such event occur, the CLIENT will be charged the applicable Transitional Placement fee.

4. **Transitional Placement Policy**

Client has the option of hiring GHR's Personnel that have previously worked or who are currently working at Client through GHR for a reduced placement fee. In order to qualify for any reduction in placement fees, Personnel must have worked a minimum of (500) hours within the last twelve months through GHR at Client. Client must also provide immediate notification of intent to hire to an appropriate GHR contact, providing at least fifteen (15) days prior notification to GHR before canceling any of Personnel's current assignments, and before offering any of GHR's Personnel employment at Client. Client agrees to pay GHR the following fee schedule for each placement, unless otherwise agreed upon by Client and GHR in writing:

Worked 0 - 500 hours: 20% buyout
Worked 501 - 750 hours: 15% buyout
Worked 751 - 1000 hours: 10% buyout
Worked 1001 - 1250 hours: 5% buyout
Worked 1251 + hours: No fee

Daniel Boone Area School District **321 N Furnace St. PO BOX 490** **Birdsboro, PA 19508**	**GHR Education** **1 Valley Square, Suite 200** **Blue Bell, PA 19422**
Signature	**Signature**
	Mike Alcott
Print	**Print**
	AVP of Education
Title	**Title**
	10/8/26
Date	**Date**

DANIEL BOONE
AREA HIGH SCHOOL

SCHEDULING AND COURSE SELECTION GUIDE

2027-2028

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Daniel Boone Area School District

Mission

Taking pride in growing diverse learners in a safe environment.

Vision

Learning together; Advocating for all.

Core Beliefs/Values:

Acceptance and Respect
Communication and Collaboration
Celebrating Specific Successes
Critical Thinking and Problem Solving

Priority focus Areas:

Health and Safety
Competitive Curriculum
Continual Learning
Cultural Investment
Responsible Resource Allocation

Graduates; Life Ready because they:

Contribute to the Community
Are Resilient
Readily Advocate for Self & Others
Effectively Communicate

New Courses

Course Key
A – Annual
O – 2028-29
E – 2027-28

A **9th GRADE SCIENCE** **441** **1 credit**

This course provides students with an introduction to the major disciplines of science, including chemistry, physics, life science, and environmental science. Students will explore the structure and properties of matter, chemical reactions, motion, forces, energy, and the laws that govern the physical world. In life science, students will investigate cells, genetics, ecosystems, evolution, and the interdependence of living organisms. Environmental science topics will include natural resources, biodiversity, climate, human impacts on the environment, and strategies for sustainability and conservation. Through hands-on laboratory investigations, scientific inquiry, data analysis, collaborative projects, and real-world problem-solving, students will develop critical-thinking skills and learn to apply scientific principles to everyday life.

At Daniel Boone Area High School, we are committed to strengthening our pathway learning model in partnership with the PA-Pathways Innovation Network. Daniel Boone Area High School students will be able to engage in an Educational Pathway to help themselves prepare for college and career opportunities.

Daniel Boone Area High School provides opportunities for students to explore a vast array of possible future careers through focused coursework. Students can investigate and innovate through coursework, research, and university accredited activities to inspire a future career pathway.

Pathway Overview:

In partnership with our community, parents, staff, and students, Daniel Boone Area High School identified critical areas of academia to promote growth through inquiry and career exploration. The pathways are an opportunity for students to explore a wide variety of course offerings, engage in college-level research, and investigate career options in a twenty-first century learning environment. Each pathway is comprised of several focused courses and culminates during a student's senior year with internship in their chosen career field.

For Comparison:

Daniel Boone Area High School Pathways:	**Berks County Career Pathways:**
Advanced Placement Capstone Pathway	---------
Associate degree Pathway Partnership with RACC	----------
Career & Liberal Arts Pathway	Arts and Communication
Business & Financial Leadership Pathway	Business Finance and Information Technology

Science, Technology, Engineering, & Mathematics (STEM) Pathway

Engineering and Industry Technology

Creative & Performing Arts Pathway

Mass Media Communications Pathway

Human Services

Science and Health

Advanced Placement Pathway

The Advanced Placement (AP) Capstone Academy is a College Board endorsed innovative program that equips students with independent research, collaborative teamwork, and communication skills valued by colleges. The Program is based upon two Advanced Placement courses: AP Seminar and AP Research.

AP Seminar emphasizes critical skills needed for college and beyond. AP Research complements the in-depth subject matter study in Advanced Placement courses. Students can select any content area to explore for their research, including the Humanities, the Arts, the Sciences, Technology, and much more.

The AP Capstone Academy empowers students to:

- synthesize information from multiple perspectives
- apply skills in new situations and cross-curricular contexts
- collect and analyze information with accuracy and precision
- craft, communicate, and defend evidence-based arguments
- practice disciplined and scholarly research skills while exploring relevant topics that appeal to their interests and curiosity.

Students enrolled in the Advanced Placement (AP) Capstone Academy are required to complete AP Seminar and AP Research courses.

AP Seminar is a 1-credit, year-long course for sophomores or juniors that entails a team project and presentation, research-based essay and presentation, and end-of-course exam administered and scored by the College Board.

AP Research is a 1-credit, year-long course that entails a research process documentation, an academic thesis paper, and public presentation and oral defense.

Advanced Placement (AP) Seminar and Research Certificate

Students who earn scores of 3 or higher in AP Seminar and AP Research will receive the AP Seminar and Research Certificate from the College Board. Students may earn college and university credit for their achievement on AP Exams.

Advanced Placement (AP) Capstone Diploma

Students who earn scores of 3 or higher in AP Seminar and AP Research and on four (4) additional AP Exams of their choosing during their academic career may apply through College Board to receive the AP Capstone Diploma. Students may earn college and university credit for their achievement on AP Exams.

AP Capstone	
Advanced Placement Course Offerings: 6 total credits required	**Credits**
Students are required to take AP Seminar & AP Research:	
AP Seminar	1
AP Research	1
Select 4 AP courses for the AP Capstone Diploma:	
AP English Literature and Composition	1
AP Biology	1
AP Chemistry	1
AP Environmental Science	1
AP Physics C	1
AP Physics 1: Algebra-Based	1
AP Physics 2: Algebra-Based	1
AP Calculus AB	1
AP Calculus BC	1
AP Statistics	1
AP Music Theory	1

AP United States History	1
AP European History	1
AP United States Government & Politics	1
AP Psychology	1
AP Studio Art: Drawing	1
AP Studio Art: 2D Design	1
AP Studio Art: 3D Design	1
AP Human Geography	1
AP Computer Science Principles	1
AP Computer Science A	1
AP Spanish Language and Culture	1

Career & Liberal Arts Pathway

Daniel Boone Area High School, in partnership with the Berks Career and Technology Center provides six (6) career pathways for students to pursue in grades 10-12. Students must apply and be accepted to enter the Berks Career and Technology Center programs. www.berkscareer.com

BCTC Requirements:

1. **Senior Collaborative:**
   Research and design project addressing specific fields within the BCTC focus of the student. Students will work with their senior project teacher/advisor and outside professional partner. Students may elect to work with a business or industry partner to research and solve their problem/initiative.

2. **Berks Career and Technology Center Portfolio:**
   All students create a portfolio showcasing all work created and skills learned throughout the program. This portfolio will be presented as part of the student's graduation project.

3. **Industry Licensing and Certifications:**
   Most of the career and technical programs at BCTC have undergone a rigorous accreditation review process and now offer industry-recognized certifications for students. These certifications and credentials are portable and recognized nationally.

They provide a competitive edge when applying for employment and are recognized by many colleges for awarding advanced credit.

4. **Certificates of Competency:**
   Students earn a school-issued certificate of competency when they successfully complete the BCTC curriculum and can perform all required tasks for a job title in their program. Included with the certificate of competency is a list of all the tasks and skills a student has demonstrated at the proficiency level. The Pennsylvania Department of Education requires all students to take an end-of-program exam as a senior. The National Occupational Competency Institute (NOCTI) or an equivalent exam will occur in the Spring of the senior year. Students will be provided with copies of their test scores and those who exceed an established "cut score" will be awarded a Pennsylvania Skills Certificate recognizing their achievement. All students will receive their high school diploma from their residential school districts.

CLICK HERE for more information.

Business & Information Technology
- Business Management & Entrepreneurship
- Computer Systems Networking & Security
- IT Programming

Communications
- Advertising Art & Design Technology
- Video & Media Content Production

Engineering & Manufacturing Technology
- Mechatronics Engineering Technology
- Drafting Design Technology
- Precision / Computerized Machining Technologies
- Welding Technology

Healthcare:
- Dental Occupations
- Health Occupations
- Medical Health Professions (Seniors Only)
- Sports Medicine and Rehabilitative Therapy (SMaRT)

Services:
- Cosmetology
- Culinary Arts
- Early Childhood Education
- Protective Services – Homeland Security
- Protective Services – Law Enforcement
- Service Occupations

Transportation:
- Automotive Collision Repair Technology
- Automotive Technology
- Diesel Technology
- Heavy Equipment Technology
- Recreational & Power Equipment Technology

Construction:
- Building Construction Occupations
- Cabinetry & Wood Technology
- Carpentry
- Electrical Occupations
- Heavy Equipment Operations
- HVAC / Refrigeration
- Horticulture
- Masonry
- Painting & Decorating
- Plumbing & Heating

Berks County's Technical Academy

Students are enrolled at BCTC and RACC while in high school. Depending on the program selected, students may complete up to six college courses at BCTC during the first and second year of their program, earning up to 18 college credits. The college credits earned while at the BCTC will be tuition-free.

All credits earned will appear as completed courses on a college transcript establishing the transferability of these courses.

In the third year of the program, students may take an additional three courses on RACC's campus, earning up to an additional 12 college credits while in high school (depending on the program selected). Tuition for the final courses taken on RACC's campus (while students are still in high school) may be subsidized by the CTC and is dependent on state and federal funding.

Entrance criteria

Business & Financial Leadership Pathway

The Business and Financial Leadership Pathway will provide a foundation essential for students interested in a career in business and finance. A key element of the Business and Financial Leadership Pathway is the emphasis on world languages and entrepreneurship in a global marketplace. The pathway will provide opportunities for creativity and innovation while participating in a hands-on, inquiry learning environment.

Business Financial Leadership Pathway (8 credits)	
Advanced Placement Course Offerings	**Credits**
AP Seminar *(REQUIRED)*	1
AP Research *(REQUIRED)*	1

World Language	2
Financial Accounting	1
Financial Management	0.5
Introduction to Business	0.5
Entrepreneurship	1
Integrated Business Management	1

Creative & Performing Arts Pathway

The Creative and Performing Arts Pathway will provide students with dynamic opportunities in the study of the Creative and Performing Arts. Each student will engage in hands-on training in the arts, build a comprehensive digital arts portfolio, work with professional artists, and will have opportunities to participate in arts co-curricular community projects.

Creative and Performing Arts Pathway (6 credits)	
One AP course in the Arts is Required	**Credits**
AP Music Theory	1
AP Studio Art in Drawing & Painting	1
AP Studio Art in 2D Design	1
AP Studio Art in 3D Design	1
Color & Design	0.5
Honors 3D Design (Sculpture & Ceramics)	1
Art I	0.5
Art II	1

Honors Art III (Drawing & Painting)	1
Honors 2D Design (Graphics & Photography)	1
Public Art for Public Spaces	0.5
Music Theory	0.5
Music Appreciation	0.5
Symphonic Band	1
Percussion Ensemble	1
Wind Ensemble	1
Concert Choir	1
Chorale	1
Introduction to Music Technology	0.5
Beginner Piano	0.5
Beginner Acoustic Guitar	0.5

Mass Media & Communications Pathway

The Mass Media Pathway will provide students with a vigorous path in the study of the Mass Media through multiple media outlets: print, online, video, and television. Each student will engage in hands-on training in the mass media world. Students will build a comprehensive digital arts portfolio and will work with professionals in the media industry. Students in the Mass Media Pathway will have opportunities to participate in extensive co-curricular and community projects.

Mass Media & Communications Pathway (7 credits)	Credits
AP Seminar (REQUIRED)	1
World Language (REQUIRED)	1
Communications	1
Publishing I	1

Editorial Publishing 2/3	1
Honors Media Production	1
Introduction to Music Technology	0.5
Music Appreciation	0.5
Journalism	0.5
Honors 2D Design	1
AP Studio Art in 2D Design	1

S.T.E.M. Pathway

The Science, Technology, Engineering, & Mathematics Pathway aims to provide students with a rigorous, practical application pathway that will inspire students to pursue a future career in a STEM field. Many of the courses are eligible for college credit.

The STEM Pathway requirements:

- 1 credit Capstone course or 2 credits AP Capstone Seminar & Research courses or 7 credits BCTC STEM option.
- 3 credits of Pathway courses
- Students are recommended to join the Technology Student Association (TSA)
- Students are recommended to compete in the Berks County Science Fair

STEM Pathway or STEM Technician Pathway (9.5-10 credits)	
Students are required to take (5.5 – 6) Credits	**Credits**
AP Seminar (exception for Technician STEM Pathway)	1
AP Research (exception for Technician STEM Pathway)	1
(S): Chemistry	1
(T): Technology Design (exception for STEM Technician Pathway)	.5 - 1
(E): Physics	1
(M): Honors Pre-Calculus/Trigonometry	1
Students select 4 credits from listed below:	

AP Physics 1: Algebra-Based	1
AP Chemistry	1
AP Biology	1
AP Environmental Science	1
AP Calculus AB	1
AP Calculus BC	1
AP Statistics	1
AP Physics 2	1
AP Physics C	1
Honors Calculus	1
Architectural Design	0.5
Forensics	1
Organic Chemistry	0.5
Animation	0.5
Human Anatomy & Physiology	1
AP Computer Science Principles	1
AP Computer Science A	1
Computer Science Discoveries	0.5
Introduction to Music Technology	0.5



RACC Ten South 2nd Street, P.O. Box 1706, Reading, PA 19603

Stand out and get ahead for $99/credit.

Reading Area Community College partners with area high schools to offer college credit for college-level courses students take at their high school. Dual enrollment students concurrently complete their requirements for high school graduation at the same time they earn college credit.

Save money and time. RACC credits transfer to most regionally accredited colleges and universities. RACC credits have transferred to over 1,200 colleges and universities. Counselor and parent permission required.

Visit racc.edu/de. Apply by Oct. 1, 2026.
Scan the QR code to view courses at
Daniel Boone Area High School.

Scholarships and Grants available.

EARLY COLLEGE ACADEMY FOR EDUCATION



Program Overview

- Dual enrollment program for high school students interested in education careers
- Partnership between local school districts and Kutztown University
- Available to seniors (juniors also welcome)
- Earn up to 12 college credits before high school graduation

Eligibility and Requirements

- 2.5 GPA or higher
- Recommendation from high school

Schedule

- Monday, Wednesday, Friday mornings (8–10 am) on KU campus
- Two courses per semester (Fall and Spring)
- Internship at a local school in your district on Tuesdays and Thursdays

Cost and Transportation

- Reduced tuition, most fees waived
- Some districts may cover costs or provide transportation
- Check with your school district for details

Key Benefits

1. Accelerated access to education careers
2. Significantly reduced college costs
3. Eased transition to college life
4. Cohort design creates a supportive community
5. Experienced faculty supporting first-year students

Transferability

- Credits fulfill general education requirements at KU
- Likely transferable to other institutions (check with specific colleges)

FOR MORE INFORMATION: www.kutztown.edu/admissions/apply/first-year-students/early-college-academy.html

AP EXAM FEE REDUCTION & DISCLAMER

The College Board provides a fee reduction per exam for students with financial need. Students who are eligible for free or reduced-price lunches qualify for the College Board reduced cost on all AP Exams that they take in a school year. Each year Pennsylvania also sets guidelines that determines whether students who qualify for the College Board's fee reduction are also eligible for additional fee reductions through state grants. Information about these financial options is available on the College Board website and in the High School Counseling Department. Additionally, not all colleges and universities ascribe the same college credit value to advanced placement courses. To access the College Board site to view information on which colleges and universities will accept Advanced Placement credit Click Here. Please see your counselor for more information.

ARTICULATION AGREEMENTS

Articulation agreements are agreements arrived at between two educational institutions, in this case between the Berks Career & Technology Center and Daniel Boone Area High School, (the sending schools) and Penn State University (Berks Campus), Reading Area Community College, and Penn College of Technology, etc. (the receiving colleges). Generally, this means that, based on the type of program and the quality of work completed, a student may be granted college credit or acceleration at the receiving school.

CHOOSING A CAREER

Choosing a career is an educational process. Information, knowledge of your own assets, likes, dislikes, and personal experiences are keys to making this decision. The first steps are to allow students to experience as many educational opportunities as possible within the school environment and outside the school through volunteering or shadowing. School experiences start with students challenging themselves by enrolling in courses that will develop skills needed by the employment community and to work to their fullest potential. Most jobs require problem-solving skills, communication skills, flexibility, and the ability to work independently and together in a group situation. A sincere and serious commitment to the academics in high school will allow most of these skills to develop-Attending career fairs, researching careers, asking friends and neighbors about their jobs, and reading news about employment trends are important aspects of a career search. Know what educational training is needed to be successful in obtaining jobs in today's highly technological society. For a comprehensive overview on career trends, visit the Bureau of Labor Statistics.

POST SECONDARY PLANNING

Post-secondary planning is available to all students in grades 9 through 12. Post-secondary planning includes skills and abilities assessments, interests and personal priorities evaluations, training and education, and life experiences reviews. School counselors will meet with each student during course selection to plan for the next school year. While this is a good time to discuss your future with your counselor, please feel free to contact your counselor at any time during the school year to speak about your post-secondary plans.

PLANNING YOUR SCHOOL PROGRAM

Planning a course schedule is a serious responsibility – the student's responsibility. This booklet is intended to provide students and parents/guardians with information about course offerings for the upcoming school year. Course schedules will be a result of discussions with students' teachers, parents, and school counselor. Whatever the student's choice, it should depend mainly on three considerations:

1. Abilities and interests – Students and parents/guardians review school records for the past few years. It will reflect your strengths and weaknesses and help decide what courses should be selected.

2. Future plan's - These may include preparation for college, technical school, nursing, office work, apprenticeship, homemaking or general employment.

3. Graduation requirements - Counselors will explain graduation requirements; students should become knowledgeable of them and are responsible for meeting them.

We believe that each student is an individual. Whether students are planning further formal education, entering the world of business, or pursuing vocational and technical training upon graduation, we feel that all students should have the opportunity to learn as much as possible and to receive support in their selection. Students and parents are welcome to utilize the school facilities and materials concerning career opportunities.

POST-SECONDARY EDUCATION INSTITUTIONS
ADMISSIONS REQUIREMENTS

High School Classes that Colleges Look For…

College admission officers want to see a solid foundation of learning that you can build upon in college. Your course load over your entire high school career matters. To assist in knowing what college admissions officers are looking for **Please Click.**

Admissions requirements vary widely, and that is why students need to challenge themselves to achieve above average grades in a rigorous academic program to improve odds of obtaining admission to their preferred college or university.

Most colleges are now test optional. Please double check with you intended college to see if they require you to take the SAT or ACT test. The Scholastic Aptitude Test (SAT) or the American College Testing (ACT) for admission. Nursing schools will require an additional test – the Preliminary Nursing Test. Some colleges require further achievement tests for admissions and class placement. Trade and schools of technology encourage college preparatory math courses. Information on college admissions policies is available on college website. Counselors are available to assist students with additional questions.



ELIGIBILITY

Students aspiring to play sports in college should familiarize themselves with the NCAA eligibility requirements. Registration with the NCAA Clearinghouse is required. Click here to register. Core college preparatory courses MUST start in ninth grade and students are required to submit a Student Athlete Identification form. See your counselor for further details.

POST HIGH SCHOOL PLANNING GUIDE

The following factors will greatly influence the success of acceptance by a college, university, or technical school:

1. High School Record: The single most important factor in college admissions is a student's high school achievement record, which begins in ninth grade.
2. Standardized Test Scores: Although your SAT and/or ACT scores never stand alone, they are used to support a student's academic record.

3. Extra-Curricular Activity Involvement: An applicant's potential to contribute to the college may gain him/her more attention from admissions staff. Students who has become involved in the activities of his or her high school will have an advantage.
4. Volunteer Work: Colleges often look at how students have often and how consistently given back to their community.
5. Summer Enrichment: Colleges admire students who stay busy with summer enrichment activities. Please see your counselor for complete list of enrichment activities.

9th Grade:

1. Select courses that are challenging and demanding. Do not take the easy way out.
2. Attend dual enrollment information session at Back-to-School night in September.
3. Develop sound study habits early. For help and assistance see your counselor.
4. Involve yourself in school activities and/or clubs.
5. Participate in the trip to the Berks Career and Technology Center and attend their Open House in the fall.
6. Talk with parents, friends, relatives, and neighbors concerning the various career fields that are available.

10th Grade:

1. Begin to think seriously about post high school education and consider your goals. Students will complete the personality and career interest surveys on Naviance. Also, speak with people employed in your interest area.
2. Ask your parents about their plans for helping you to meet post high school education costs when the time comes.
3. Look for weekend or summer employment and/or volunteer opportunities.
4. Students have the option to take the PSAT in October as a practice for 11th grade PSATs.
5. Begin financial aid research.

11th Grade:

1. Students will complete a SuperMatch College Search on Naviance.
2. Attend Financial Aid Information session at Back-to-School night in September.
3. Take the Preliminary Scholastic Aptitude Test (PSAT). This test is administered at Daniel Boone Area High School in October.
4. Review College Visits under the College tab in Naviance.
5. If your college of choice requires the Scholastic Aptitude Test (SAT) or the American College Test (ACT) these tests should be taken in March, May, or June.
6. Visit colleges, universities, and trade schools in the spring and summer.
7. Continue financial aid research.

12th Grade:

1. August 1st - Common Application is open. Begin filling out your information and working on your essay.
2. Attend the Financial Aid Information session at Back-to-School night in September.
3. Research the admissions requirements and application process for the post-secondary institutions you may be interested in attending, as each school has different requirements.
4. Request your transcripts and letters of recommendations in Naviance by December 1st.
5. Update your resume in Naviance for reference when completing Common Application.
6. All seniors are required to complete the Application for Federal Student Aid (FAFSA) online as soon as possible after October 1. This form can be used to apply for Federal Aid and needs to be completed for Guaranteed Student Loans. To access FAFSA Forms, visit StudentAid.gov. The Federal agency will determine whether you are eligible for financial need. ***Do not assume you are not eligible.***
7. Male students must register for Selective Service 180 days before their eighteenth birthday or 30 days after to be considered for State or Federal financial aid. Click Here to register.
8. Ask your parents to find out if any financial aid programs are available through their place of employment.
9. If either of your parents is deceased, disabled or retired, contact the Social Security Administration for educational benefits.
10. If either of your parents is a veteran, contact the Veterans Administration or the American Legion for other financial aid possibilities.
11. Ask your parents to check if the union, club, church, or other organization to which they belong gives educational assistance.
12. Look in Naviance for posted scholarships during the fall, and in February for our local scholarships. Pay close attention to eligibility and deadlines.
13. Review award letters you have received from various schools. Select the school you will attend, but make your decision based on educational considerations ahead of anything else.
14. Complete the senior survey in Naviance.
15. Submit the required deposit to the school you will attend.

SCHEDULING OF CLASSES

It is very important that parents and students understand the importance of planning an educational program and then selecting courses of study to satisfy those plans. The entire process of scheduling classes, purchasing supplies, textbooks and equipment, then assigning teachers is based on the information parents and students provide to the administrators through course selection requests. It is therefore necessary that courses are carefully selected. Courses that do not have sufficient enrollment will be dropped from the school's master schedule.

This booklet describes the courses, subjects, and special programs available to students for the new school year. Please read carefully the descriptions concerning course content and course expectations. Speak with teachers, consult with your school counselors to make the most informed decisions regarding your course requests.

Students' past grades, standardized test results and interests are key scheduling ingredients. Faculty members can also be a valuable resource to help evaluate how well students may achieve in the next sequential course in a subject area. For example, this year's math teacher can help students estimate how well they may fare in the various math courses that are a logical sequence after this year.

Each year we dedicate time for review of student choices with parents and staff members to eliminate the need for selection changes later. Students must contact their school counselor to make changes to their schedules during the summer drop add period. This period for schedule changes and adjustments will occur prior to the start of the school year. **No course drop/ withdraw period will occur after the school year begins.** Please make your choices carefully and wisely.

GRADUATION REQUIREMENTS

4.00 credits	Language Arts
4.00 credits	Social Studies
3.00 credits	Mathematics *(Algebra required)*
3.00 credits	Science *(Biology required)*
2.0 credit	Physical Education
8.5 credits	Electives *(Freshman Leadership Network required) (Personal Finance for Class of 2030 and beyond required)*
24.5 credits	**Total Credits Required for Graduation**

WEIGHTED GPA & CLASS RANK

Because of the increased demand placed on students in our Advanced Placement (AP) and Honors courses additional grade value weight has been assigned for determining a student's grade point average (GPA) as follows:

CourseLevel	1
HonorsLevel	1.05 (+5%)
Advanced Placement Level	1.10 (+10%)

All grades earned in an AP courses will qualify for the weighted grade, **ONLY** if student completes the corresponding AP Exam. Weighted grading applies only to the grade point average that is used in determining class rank. Courses to be included in Weighted GPA Ranking System:

English		
Honors English 9	Honors Media Production	AP English Literature & Composition
Honors English 10	AP Seminar	
Honors English 11	AP Research	
Honors English 12		
Mathematics		
Honors Algebra 2	Honors Calculus	AP Computer Science Principles
Honors Pre-Calculus	AP Calculus BC	
Honors Geometry	AP Calculus AB	AP Computer Science A
Honors Trigonometry	AP Statistics	
Science		
AP Biology	AP Physics C	AP Environmental Science
AP Chemistry	Honors Chemistry	
AP Physics 1	Honors Biology	Honors Anatomy and Physiology
AP Physics 2		
Social Studies		
Honors United States 1	Honors World History	AP US History 2
Honors United States 2	AP Government and Politics	AP Human Geography
Honors Political Science/Economics	AP European History	AP Psychology
World Languages		
Honors French 4	AP Spanish Language and Culture	Honors German 4
Art		
Honors Art 3	AP Studio Art in 2D Design	AP Studio Art in 3D Design
Honors 2D Design		AP Studio Art in Drawing
Honors 3D Design		
Music		
AP Music Theory		

Grading Scale

A+ (100-97), A (96–93), A- (92–90)
B+ (89–87), B (86–83), B- (82–80)
C+ (79–77), C (76–73), C- (72–70)
D+ (69–67), D (66–63), D- (62–60)
F – below 60

ACT 158

Act 158 of 2018 (Act 158) Pennsylvania's statewide requirement of attaining proficiency on the three end-of-course Keystone Exams (Algebra I, Literature, and Biology) for a student to achieve statewide graduation requirements. This toolkit is designed to provide guidance as a result of the enactments of Act 158 and Act 6 of 2017 (Act 6). Effective with the graduating **Class of 2023** and beyond.

ART

Course Key
A – Annual
O – 2026-27
E – 2027-28

	ART MAJOR PATH	2D DESIGN PATH	3D DESIGN PATH
9th	Art I 801	Art I 801 or Color & Design 802	Art I 801 or Color & Design 802
10th	Art II 804		
11th	Honors Drawing and Painting III 806	Honors 2D Design 805	Honors Sculpture & Ceramics 810
12th	AP Studio Art in Drawing and Painting 807	AP Studio Art in 2D Design 809	AP Studio Art in 3D Design 813
11th/12th	Public Art for Public Spaces 815		

A **COLOR AND DESIGN 802 .5 credit**

This introductory visual arts course is designed for the non-art major. Students will explore the use of the elements and principles of design in drawing, painting, printmaking, mixed media, and digital photography. Students will create art projects, critique art works, discuss aesthetics, and research modern art works and visual culture.

A **ART I (DRAWING & PAINTING) 801 .5 credit**

This introductory course to the high school art major track is designed to give the student studio experience in drawing, painting, and composition. Students will create art projects, critique art works, discuss aesthetics, and study the history of realistic and abstract work. Students will maintain a sketchbook with notes and drawings. Students with a desire to continue in the art major track or go to art school/college should enroll in this course.

A **HONORS 3D DESIGN (SCULPTURE & CERAMICS) 810 1 credit**

This honors visual arts course is designed for the student who is interested in creating more advanced works in sculpture and crafts. Studio experiences will involve in-depth studies of clay, metals, paper arts, sculpture, fibers, and installations. Students will create original art projects, critique art works, discuss aesthetics, and research the role of 3D art in the history of art. Students will be required to complete studio hours outside of class each quarter. This class is structured for students in 10th-12th grade who completed department prerequisites. **Department Recommendation:** Successful completion of any .5 or full credit art course with an 85% or higher.

A ADVANCED PLACEMENT STUDIO ART IN 3D DESIGN 813 1 credit

Students will develop a portfolio that demonstrates mastery of 3D Design techniques through any three-dimensional process, including, but not limited to, sculpture, ceramics, crafts, or product design. Portfolio pieces should demonstrate an understanding of depth, space, mass, volume, and form. Each student will develop a portfolio based on the College Board's 3D design requirements that exhibits five Selected Works artworks and 15 Sustained Investigation artworks that demonstrate their skills and understandings of 3D design. Much of the work will be cultivated independently and individual motivation is critical for a student's success. Students must complete additional studio hours for this course. Students will be required to complete studio hours outside of class each quarter. This class is structured for students in 11th or 12th grade who successfully completed 810 Honors 3D Design. **Department Recommendation:** Successful completion of 810 Honors 3D Design (Sculpture & Ceramics), with a grade of 92% or higher, and teacher recommendation.

A HONORS 2D DESIGN (GRAPHICS & PHOTOGRAPHY) 805 1 credit

This honors course will provide students with advanced techniques in graphic design and photography. Students will build skills and apply more sophisticated techniques associated with graphic design, advertising design, illustration, digital imaging, and photography. This class is structured for students in 10th-12th grade who have completed department prerequisites. **Department Recommendation:** Successful completion of any .5 or full credit art course with 85% or higher, or by teacher recommendation. It is recommended, but not required, students provide their own digital camera, excluding camera phones.

A ADVANCED PLACEMENT STUDIO ART IN 2D DESIGN 809 1 credit

Students will develop a portfolio that demonstrates mastery of 2D design techniques through any two-dimensional medium or process, including, but not limited to, graphic design, digital imaging, photography, collage, illustration, painting, black and white darkroom techniques, and printmaking. Each student will develop a portfolio based on college board requirements that exhibits 5 Selected Works artworks and 15 Sustained Investigation artworks. Much of the work will be cultivated independently and individual motivation is critical for a student's success. This class is structured for students in 11th and 12th grade who have successfully completed 805 Honors 2D Design. **Department Recommendation:** Successful completion of 805 Honors 2D Design (Graphic Design and Photography) with a grade of 92% or a teacher recommendation. It is recommended, but not required, that students provide their own digital camera, excluding camera phones.

A **ART II (DRAWING & PAINTING II) 804 1 credit**

During this second-year course of the art major track, the student will refine skills and techniques in drawing with pencil, charcoal, and pastel, and painting with watercolors and acrylics. The students will explore the themes of still life, portrait, figure drawing, and landscape. In addition to studio experience, students will participate in group critiques, research, and critique art of the western world, and discuss aesthetics. Students will be expected to complete weekly sketchbook assignments. This course is structured for students in 10th–12th grade who successfully completed 801 Art 1. **Department Recommendation:** Successful completion of 801 Art I (Drawing & Painting) with a grade of 80% or higher, or by a teacher recommendation.

A **HONORS ART III (DRAWING & PAINTING III) 806 1 credit**

The honors level course, the third year of the art major track, is for the advanced student to begin the completion of the requirements for AP Studio Art and portfolio preparation for college. Students will focus on building their acrylic painting skills using a variety of subjects, such as still life, portraiture, landscape, and abstract compositions. Students will also continue to work on more advanced drawing projects using a variety of subjects. Students will research and critique historical time periods of art to clarify and refine their own personal style. This course is structured for students in 11th–12th grade who successfully completed 801 Art 1 and 804 Art II. **Department Recommendation:** Successful completion of 804 Art II (Drawing & Painting) with a grade of 85% or higher and a teacher recommendation.

A **ADVANCED PLACEMENT STUDIO ART IN DRAWING 807 1 credit**

Students in this AP course will dedicate their time to the formation of a portfolio of their own original artwork that meets the requirements set by the College board. This course requires a strong commitment to the creation of art to complete a portfolio that exhibits five Selected Works artworks and 15 Sustained Investigation artworks. Successful completion of the course is based on submission of a portfolio to the College Board for review for the possibility of college credit. A completion of summer assignments is required to begin the course in the fall. This course is structured for students in 12th grade who completed department prerequisites. **Department Recommendation:** Successful completion of 806 Honors Art III (Drawing & Painting) with a grade of 92% and a teacher recommendation.

PUBLIC ART FOR PUBLIC SPACES **815** **.5 credit**

This studio class introduces the variety and complexity of public art and explores everything from public sculptures to murals to community collaborations public art investigates, explores and unpacks strategies and tactics for creating and understanding what it means to create art in public places. Students will work both independently and in small groups to create artworks. Students will produce public art for the school and study the historical contexts of public art while engaging in art critiques. This course is structured for students in 10th–12th grade who complete department prerequisites.
DEPARTMENT RECOMMENDATION: Successful completion of 804 Art I or 802 Color & Design with a grade of 85% or higher or by teacher recommendation.

BUSINESS

Course Key
A – Annual
O – 2028-29
E – 2027-28

A FINANCIAL ACCOUNTING 632 1 credit

Financial accounting is designed to provide a conceptual introduction to financial accounting topics for business and accounting majors. Emphasis in the course is placed on using financial accounting information for decision-making. Topics focus on accounting theory of all commonly used accounts such as cash, investments, receivables, inventory, fixed and intangible assets, payables, bonds, and stocks, as well as accounting systems and controls, financial statement preparation, and analysis. The course will also introduce the accounting cycle through computerized software.
Department Recommendation: Successful completion of Integrated Business Management

A PERSONAL FINANCE 605 .5 credit

Personal Finance introduces students to the essential skills needed to make informed financial decisions in everyday life. Students will explore personal finance fundamentals such as budgeting, setting financial goals, and understanding the value of money. Key topics include earning income, managing spending, and building smart habits in saving and investing for the future. The course also examines how to manage risk and insurance to protect personal assets and how to use credit responsibly. By the end of the course, students will have a foundation for making sound financial choices and planning for long-term financial success.

A INTRODUCTION TO BUSINESS 610 .5 credit

Introduction to Business is designed to introduce students to the basic principles of business. Students will explore introductory topics of economics, entrepreneurship, business communications, business ethics, the government's role in business, marketing, and business finance. This course provides a broad exposure to business operations and establishes a solid foundation for additional business courses.

A ENTREPRENEURSHIP 660 1 credit

Entrepreneurship is a hands-on course designed for students interested in starting a business, leading innovative projects, or understanding how ideas become profitable ventures. Students will explore through authentic experiences, opportunity recognition, marketing, financial management, leadership, and business operations while developing their own business concepts. Through case studies and an Entrepreneurship Speaker Series, students will engage with local business owners and apply classroom learning to real-world business challenges. **Department Recommendation:** Successful completion of Integrated Business Management.

A INTEGRATED BUSINESS MANAGEMENT 606 1 credit

Integrated business management is a comprehensive course that focuses on building a strong foundation in marketing, accounting, and computer applications while strengthening problem-solving and critical thinking skills. Through the use of business-focused digital tools, real-world scenarios, and hands-on projects, students explore the marketing mix and apply the accounting cycle. **Department Recommendation:** Completion of Introduction to Business or Personal Finance or Financial Algebra.

COMPUTER SCIENCE

Course Key
A – Annual
O – 2028-29
E – 2027-28

A COMPUTER SCIENCE DISCOVERIES 751 .5 credit

Computer Science Discoveries is an introductory computer science course that empowers students to create authentic artifacts and engage with computer science as a medium for creativity, communication, problem solving, and fun. The course takes a wide lens on computer science by covering topics such as programming, physical computing, HTML/CSS, and data. The course inspires students as they build their own websites, apps, games, and physical computing devices. No prior computer science knowledge or experience is necessary.

A ADVANCED PLACEMENT COMPUTER SCIENCE A 375 1 credit

Students will learn to design and implement computer programs that solve problems relevant to today's society, including art, media, and engineering. AP Computer Science A teaches object-oriented programming using the Java language and is meant to be the equivalent of a first semester, college-level course in computer science. Using hands-on experiences and examples students will learn algorithm development while problem-solving and applying programming tools. This course will prepare students for the end-of-course AP Exam. AP Computer Science A meets the Pennsylvania Department of Education math requirement. No prior computer science knowledge or experience is necessary. **Department Recommendation:** Successful completion of Algebra II with a grade of B or higher or by teacher recommendation, and successful completion of Computer Science Discoveries

A ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES 374 1 credit

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The survey course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles also gives students the opportunity to use current technologies to create computational artifacts for both self-expression and problem solving. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science. The AP CSP course meets the Pennsylvania Department of Education math requirement. No prior computer science knowledge or experience is necessary. **Department Recommendation:** Successful completion of Algebra I, and successful completion of Computer Science Discoveries. The AP CSP course meets the Pennsylvania Department of Education math requirement.

FAMILY & CONSUMER SCIENCE

Course Key
A – Annual
O – 2028-29
E – 2027-28

A **NUTRITIONAL SCIENCE I** **710** **.5 credit**

This course is designed to help students pursue the exciting world of food and nutrition. The curriculum is designed to give students the tools needed to become nutritionally literate and make wise food choices. Information on cooking techniques will include all the basics as well as many new ideas that will challenge the seasoned cook and inspire the beginner.

A **NUTRITIONAL SCIENCE II** **711** **.5 credit**

This course is designed to advance and continue the principles of food safety, preparation and hospitality while students explore advanced methods and techniques for the preparation of healthy, appealing recipes. The course will incorporate prior knowledge of food and kitchen safety, nutrition and the principles of baking and culinary while analyzing fundamental practices in the food industry. Juniors and Seniors interested in careers in Culinary and Pastry Arts or Hospitality, Restaurant and Hotel Management will have the opportunity to visit The Restaurant School at Walnut Hill College in Philadelphia to learn more about careers in the restaurant and hospitality industries. **Department Recommendation:** 85% or higher final grade in Nutritional Science I

PHYSICAL EDUCATION

Course Key
A – Annual
O – 2028-29
E – 2027-28

A INTEGRATED WELLNESS (9TH &10TH Grade) 921 .5 credit

This course for ninth and tenth graders focuses on transitioning our students to the high school with an integrated approach toward health and physical education. This blended course will include health components such as Drugs & Alcohol, Nutrition, and Disease Prevention. The physical education component includes both individual and team activities such as introduction to weight training, Volleyball, and Badminton. Students will be both in the classroom and the gymnasium for this course.

SELF-ASSESSMENT, INJURY PREVENTION,

A AND SAFETY (11TH &12TH Grade) 924 .5 credit

This course will teach students how to recognize when something doesn't feel right in the body, understand the signs and symptoms, and ways to regulate going forward. Students will learn why foam rolling is beneficial before and after exercise, basic first aid and CPR, and how corrective exercises can help improve basic movement patterns for those with compensations. At the conclusion, students will lead the class through an assessment technique or injury prevention method discussed in the course.

A MUSCULAR DEVELOPMENT 1 (12th Grade Only) 925 .5 credit

This course will be teaching anatomy and applying that terminology through various forms of anaerobic exercise. Students will understand how to create and utilize a workout log, understand the fundamentals of weight/resistance training, and be able to correctly identify and demonstrate various basic exercises safely. At the conclusion, students will teach others by executing various exercises and provide common mistakes and ways to correct their form. **Department Recommendation:** Grade of B or higher in Integrated Wellness and Self-Assessment, Injury Prevention, and Safety

A UNIFIED SPORTS 920 1 credit

This course will give students the opportunity to serve as peer trainers, coaches, leaders, and most importantly peer partners in an inclusion setting. As peer partners, students take on a leadership role, learn how to adapt activities, and support students who need assistance with skills. At the conclusion, students will create a comprehensive lesson together with their partner that they will demonstrate for the rest of class. **Department Recommendation:** ***Required for selected students***

A **PROGRESSIVE PHYSICAL EDUCATION (12th Grade Only) 922 1 credit**

This PE *only* course is for students looking to expand on concepts and principles utilized in Integrated Wellness and Self-Assessment, Injury Prevention, and Safety. Students will be required to change for class. In addition, heart rate monitors will be utilized each class to monitor and analyze student data. At the conclusion, students will create an advanced workout program designed and utilized for sport and fitness for life. ***Varsity Sport or Department Recommendation Required***

A **LIFETIME FITNESS (12th Grade Only) 928 .5 credit**

This wellness course is designed for students to learn and participate in skills and activities to pursue lifelong physical fitness. Some of the topics include Pickleball, Stress Management, Volleyball, and Weight Training. These activities will teach students how to apply knowledge of concepts, principles, strategies, and tactics related to movement and performance. At the conclusion, a summative assessment will be administered to check for mastery of content taught.

ENGLISH LANGUAGE ARTS

Course Key
A – Annual
O – 2028-29
E – 2027-28

ENGLISH AP & HONORS BORDERLINE PROCEDURES

Students who miss the grade cut off by no more than two percentage points may apply for the class by submitting an essay. It is the student's responsibility to acquire the writing assignment from his or her English teacher. The essay is due by July 1. Both sending and receiving teachers will score the essay as pass/fail, and they will review the student's performance in English. Both teachers must approve a borderline student for Honors and AP.

A **ENGLISH 9** **101** **1 credit**

English 9 will strengthen reading, writing, listening, speaking, and critical-thinking skills needed throughout high-school and for post-secondary success. A variety of literature and informational texts will be used to analyze and evaluate how authors develop themes, characters, ideas, arguments, and points of view, and craft. An emphasis will be placed on analysis, supporting interpretations with relevant textual evidence, and producing effective writing for various audiences and purposes. Students will engage in classroom discussions and collaborative activities.

A **HONORS ENGLISH 9** **103** **1 credit**

Honors English 9 will strengthen and extend the reading, writing, listening, speaking, and critical-thinking skills needed throughout high school and for post-secondary success. Students will engage with complex and challenging literature and informational texts to analyze and evaluate how authors develop themes, characters, ideas, arguments, points of view, and craft. An emphasis will be placed on in-depth analysis, supporting interpretations with relevant textual evidence, and producing sophisticated writing for various audiences and purposes. Students will engage in classroom discussions and collaborative activities. **Department Recommendation:** Earn a minimum grade of 90% in Grade 8 English Language Arts

A **ENGLISH 10** **105** **1 credit**

English 10 will further strengthen the reading, writing, listening, speaking, and critical-thinking skills developed in grade 9 English courses. Students will analyze a variety of literary and informational texts, deepening comprehension while exploring multiple perspectives and evaluating elements such as central ideas, themes, characters, ideas, arguments, and points of view, and craft. Through the writing process, students will produce a range of written works with an emphasis on organization, focus, effective use of evidence, and clear expression. Students will also participate in discussions and collaborative learning activities to strengthen their communication skills. The Keystone exam will be administered at the end of this course. **Department Recommendation:** Successful completion of ENGLISH 9 or HONORS ENGLISH 9

A **HONORS ENGLISH 10** **113** **1 credit**

Honors English 10 will further strengthen and extend the reading, writing, listening, speaking, and critical-thinking skills developed in grade 9 English courses. Students will analyze a variety of complex and challenging literary and informational texts, deepening comprehension while exploring multiple perspectives and evaluating elements such as central ideas, themes, characters, ideas, arguments, and points of view, and craft. Through the writing process, students will produce a range of written works with an emphasis on organization, focus, effective use of evidence, and in-depth written expression. Students will also participate in discussions and collaborative learning activities to strengthen their communication skills. The Keystone exam will be administered at the end of this course. **Department Recommendation:** Earn a minimum grade of 90% in English 9 or successful completion of Honors English 9.

A **ENGLISH 11** **106** **1 credit**

Academic English 11 covers a survey of American Literature, vocabulary, speech, and grammar. Students will read and discuss short stories, poems, and essays. They will write a variety of compositions, learn vocabulary words and use them in various types of activities, and give speeches ranging in length from thirty seconds to five minutes.

A **HONORS ENGLISH 11** **123** **1 credit**

Honors English 11 places emphasis on further developing and polishing writing skills. Writing assignments include compositions and critiques. Grammar study concentrates on revision of faulty sentences and reviewing sentences from exercises from standard written English. Additional study of grammar is prescriptive in conjunction with written work. The study of literature comprises American literature. A summer reading assignment is required. The course aims to prepare students for AP English and Literature Composition. **Department Recommendation:** A grade of an A or higher in English 10 or a B or higher in Honors English 10. See note at the beginning of the English section regarding students who miss the grade cut.

A **ENGLISH 12** **107** **1 credit**

English 12 focuses on applied practice. Most coursework is student directed giving students the freedom to pick focus areas that apply to their areas of interest or specialization. Students will work to develop a professional portfolio by the conclusion of the course. Students will receive a brief exposure to various traditional works from the British Cannon, but the focus of the class is on more contemporary exercises and modes of communication.

A **HONORS ENGLISH 12** **133** **1 credit**

Honors English 12 is directed at the advanced language arts student who is interested in a challenging course, but who does not seek AP credit. There will be a heavy concentration on analytical writing and the study of British literature, both contemporary and classic. Students will complete a literary research paper. Grammar will be prescriptive. Vocabulary will be studied through independent vocabulary lessons. **Department Recommendation:** A grade of A or higher in English 11 or a B or higher in Honors English 11. See note at the beginning of the English section regarding students who miss the grade cut and borderline grades.

ADVANCED PLACEMENT ENGLISH

A **LITERATURE AND COMPOSITION** **134** **1 credit**

In the AP course in literature and composition, students are involved in reading and analyzing literary works. Emphasis is placed on writing critical and analytical essays both in and out of class on a variety of literary types: novels, plays, poetry, and short stories. The course is designed to provide students with a course comparable to a college course in content, requirements, and format. Students are expected to have a mastery of basic grammar and to be well-versed in the writing process and writing fundamentals. The course also prepares students for the AP exam in May. Most colleges offer college credit or advanced placement for an acceptable score on this exam. Summer reading is required. **Department Recommendation:** A grade of B or higher in Honors English 11.

O **JOURNALISM** **140** **.5 credit**

This course will introduce the student to news article production. Students study libel, the history of the newspaper in America, lead paragraphs, copy reading, headline writing and various types of news articles. The primary focus will be curating feature stories, columns, editorials, reviews, and sport stories for the school's online news platform.

A **COMMUNICATIONS** **151** **1 credit**

The Communications course is a college level class which provides students the opportunity to build and refine public speaking skills through informative, persuasive, and demonstrative presentations. Students will research topics and write outlines, speech drafts and works cited pages (MLA Style) and then deliver in person speeches to the class, which will be teacher, self, and peer critiqued. There is also opportunity to write a critique on a professional speech. The course focuses on students' development of effective communications skills in both their personal lives and the workforce.

A **PUBLISHING I** **152** **1 credit**

Publishing I (yearbook publishing) will focus on the elements of creating and publishing a high school yearbook. Units of study include theme and page design, photography, copy writing, proofing, and editing, advertising, and a study on social media and technology. This course is open to students in grades 9-12 and is the introductory opening course in the Editorial Publishing (yearbook design) series.

A **EDITORIAL PUBLISHING II/III** **153** **1 credit**

Editorial Publishing II/III (yearbook design) is a hands-on course that leads to the production of the high school yearbook. Students enrolled in this course will be assigned to editor roles and will apply principles taught in Publishing I to design the current yearbook. Editorial Publishing II/III is open to students in grades 10-12 who have successfully completed Publishing I. **Department Recommendation:** Grade of B or higher in Publishing I. *Placement in these levels will be based upon the student's prior involvement and skill level as demonstrated in previous yearbook work. Each of these levels will be involved in the creation and publication of the yearbook. All levels of yearbook will involve work that will need to be completed outside of class and will require internet access. All students interested in being yearbook section editors must be enrolled in one of these levels.*

A **ADVANCED PLACEMENT SEMINAR (Grades 10 & 11)** **155** **1 credit**

AP Seminar is a foundational course that focuses on improving students' research, writing, and presentation skills. Students will explore academic and real-world topics and issues by analyzing various perspectives. Students will learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, this course aims to equip students with the ability to analyze and evaluate information and improve their communication skills.

A **ADVANCED PLACEMENT RESEARCH (Grades 11 & 12) 156 1 credit**

AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long research-based investigation to address a research question. In the AP Research course, students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. Students explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic paper of approximately 4000–5000 words (accompanied by a performance or exhibition of product where applicable) and a presentation with an oral defense. Summer work is required. **Department Recommendation:** Students must achieve a B or better in AP Seminar or have staff recommendation. Students may take AP Research in place of English 11 or 12.

E **MYTHOLOGY 163 .5 credit**

Take an adventure to strange worlds and travel on exciting adventures with brave heroes like Hercules and Theseus! This course will explore traditional myths from a variety of cultures as well as their portrayals in modern literature, television, and film.

A **HONORS MEDIA PRODUCTION 164 1 credit**

In Honors Media Production, students will explore multiple different production methods from video to social media to podcasts and blogging. The course will serve to supplement the productions already occurring through Blazer Media, the School Newspaper, and the Yearbook. Students will learn through doing they will create original content, highlighting and documenting events occurring around the district. Students will learn about layout, industry standards and software tools used to operate in an increasingly competitive media market. Students should be prepared for independent projects and content creation. **Department Recommendation:** Students interested in operating the Blazer Media Studio, and/or the Mass Media and Communications Pathway. There will be production hours outside of the traditional school day.

MATH

Course Key
A – Annual
O – 2028-29
E – 2027-28

A **FOUNDATIONS OF ALGEBRA** **360** **1 credit**

Foundations of Algebra is a thorough study of basic mathematic skills covering topics students must master to ensure proficiency in high school algebra. Topics include properties of real numbers, linear equations, and connections to algebra. This course precedes Algebra I and must be taken concurrently with Physical Science.

A **ALGEBRA** **302** **1 credit**

Students in Algebra I will represent linear and beginning quadratic functions using tables, graphs, verbal models, and algebraic models, which they will manipulate and interpret. Students will become proficient in polynomial arithmetic as well as factoring quadratic and limited higher-degree expressions. Instruction with graphing calculators will be used throughout this course. Algebra I will provide students with insights into mathematical abstraction, and structure and reasoning and will lay a foundation upon which to continue study in mathematics and science. The Keystone exam will be administered at the end of this course. **Department Recommendation:** C or higher in Pre-Algebra or Foundations of Algebra

A **ALGEBRA II** **313** **1 credit**

In Algebra II, students will deepen their knowledge and experience of algebra, both building on their understanding of relations and functions, and expanding their repertoire of familiar functions. Students will represent and study the behavior of polynomial, exponential, absolute value, and radical and rational functions, among others. They will learn to combine functions, compose them, and find inverses where possible. As they do so, they will understand the concept of a class of functions and will learn to recognize the unique characteristics of each class. In addition, students will explore simple and compound probability. They will also perform statistical analysis of given data sets, whose results they will interpret and utilize to make predictions and draw conclusions. Students will gain more and deeper insights into mathematical abstraction, reasoning, and structure through Algebra II. **Department Recommendation:** Successful completion of Algebra

A **HONORS ALGEBRA II** **312** **1 credit**

Honors Algebra II is a more rigorous, in-depth study of the concepts covered in the Algebra II course as well as many additional topics, including rational, radical, and logarithmic functions. More time will be devoted to graphing and analyzing multiple types of functions. Students will be able to understand and discuss continuity and end behavior of functions. **Department Recommendation:** Grade of A or higher in Algebra **AND** Grade B or higher in Honors Geometry (or 97 or higher in Geometry.)

A **GEOMETRY** **325** **1 credit**

This course explores the basic concepts of geometry by requiring students to use and analyze definitions, postulates, and theorems for computational purposes as well as for proof writing. In addition to developing their logical reasoning abilities, students will use algebra to enhance their problem-solving skills. **Department Recommendation:** Successful completion of Algebra; or successful completion of Algebra II

A **HONORS GEOMETRY** **322** **1 credit**

This course is a much more rigorous study of geometry. This is a proof-based course. Students will also use highly developed algebra skills to explore the study of coordinate geometry. **Department Recommendation:** Grade of B or higher in Honors Algebra II; or a grade of A in Algebra II; Grade of B or higher in Honors Algebra; or a grade of A in Algebra

A **TRIGONOMETRY** **333** **1 credit**

This course requires the student to develop and use trigonometric functions both right triangles and the unit circle will be used. Additional topics of study include circular motion, trigonometric identities, and expanded analysis of all trigonometric functions. **Department Recommendation:** Grade of C or higher in Geometry; or a grade of C or higher in Algebra II.

A **HONORS TRIGONOMETRY** **334** **1 credit**

This course requires more extensive algebra and reasoning skills as students cover all the material presented in Trigonometry in greater detail. The students learn to solve both practical and analytic trigonometric problems. Mastery of algebra skills are very important for this class. Additional topics may be covered including Polar equations, logarithmic functions and conic sections. **Department Recommendation:** Grade of C or higher in Honors Geometry; Grade of A in Geometry: Grade of C or higher in Honors Algebra II: Grade of A in Algebra II

A AP Calculus BC 349 1 credit

AP Calculus BC is roughly equivalent to both first and second semester college calculus courses. It extends the content learned in AB to different types of equations (polar, parametric, vector-valued) and new topics (such as Euler's method, integration by parts, partial fraction decomposition, and improper integrals) and introduces the topic of sequences and series. This AP course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. **Department Recommendation:** Completion of AP Calculus AB is a prerequisite with a grade of a B or higher or by a teacher recommendation.

A HONORS PRE-CALCULUS 350 1 credit

This is an honors level course designed for students who are preparing for Advanced Placement Calculus AB. This course reviews algebraic concepts necessary for trigonometry and calculus. The students learn to solve both practical and analytic trigonometric problems and solve analytical geometry problems through conic sections. **Department Recommendation:** Grade of B or higher in Honors Geometry; Grade of A Geometry; B in Honors Algebra II or an A Algebra II.

A HONORS CALCULUS 351 1 credit

This course is offered for those students who have completed trigonometry or pre-calculus and who wish to prepare for college level calculus. A thorough review of algebraic, trigonometric, and geometric functions will be provided. Coursework is equivalent to a first semester college calculus course. This course will not prepare students for the AP Calculus exam. **Department Recommendation:** Grade of C or higher in Honors Trigonometry; Grade of C or better in Honors Pre-Calculus.

A ADVANCED PLACEMENT CALCULUS AB 352 1 credit

AP Calculus is offered to those senior students who desire a comprehensive preparation for college level mathematics. A thorough review of all necessary algebraic, trigonometric, and geometric functions is provided in the beginning of the year. The rest of the year will be spent on material equivalent to a college first and second semester calculus course. The purpose of the course is to prepare students for rigorous college level math and also to prepare students for the Advanced Placement exam. **Department Recommendation:** Honors Pre-Calculus is a required prerequisite for AP Calculus; grade of B or higher in Honors Pre-Calculus is recommended.

A **ADVANCED PLACEMENT STATISTICS** **353** **1 credit**

Advanced Placement Statistics emphasizes data collection & data analysis, anticipating patterns using probability, statistical inference, and the design and implementation of statistical studies. The student will receive instruction on the use of the TI-84+ calculator and its statistics functions. Juniors may take this course while concurrently enrolled in Honors Pre-Calculus or Honors Trigonometry. **Department Recommendation:** Grade of B or higher in Trigonometry; Grade of C or higher in Honors Trigonometry: Grade of C or higher in Honors Pre-Calculus; Grade of B or higher in Honors Geometry for juniors taking AP Placement Statistics.

A **DISCRETE COLLEGE MATH** **354** **1 credit**

A senior math class designed for students who have already completed trigonometry or pre-calculus. Topics covered include a review of quadratic and higher degree equations and inequalities; properties of functions and graphs including algebraic, polynomial, rational, exponential, and logarithmic functions; systems of equations, matrices, basic probability, combinatorics, continuity, and limits. Coursework aligns closely with a first semester college algebra course. **Department Recommendation:** Trigonometry, Honors Trigonometry or Honors Pre-Calculus

A **PERSONAL FINANCE/FINANCIAL ALGEBRA** **364** **1 credit**

This course introduces students to the essential skills needed to make informed financial decisions in everyday life. Students will explore personal finance fundamentals such as budgeting, setting financial goals, and understanding the value of money. Key topics include earning income, managing spending, and building smart habits in saving and investing for the future. The course also examines how to manage risk and insurance to protect personal assets and how to use credit responsibly. By the end of the course, students will have a foundation for making sound financial choices and planning for long-term financial success. The second half of this course introduces students to the core concepts of Algebra 2 at a foundational level. Students will study quadratic functions, polynomials, complex numbers, radical and rational expressions, and basic probability and statistics. Emphasis is placed on strengthening algebraic skills, developing problem-solving strategies, and applying mathematics to real-world situations. **Department Recommendation:** Algebra and Geometry

MUSIC

Course Key
A – Annual
O – 2028-29
E – 2027-28

A MUSIC THEORY 851 .5 credit

This course is designed for students who are interested in exploring the theoretical side of music. Notation, interval and scale structure, ear training, and composition are all major components of this course. Analysis of major musical works will help students understand more than the "notes on a page". Students will also receive training in popular computer software designed for musicians. **Department Recommendation:** Students must be enrolled in a musical ensemble. Students not in band or choir may enroll with teacher recommendation.

A ADVANCED PLACEMENT MUSIC THEORY 853 1 credit

This course is designed for students who are planning on pursuing music as a professional career. Advanced theoretical and compositional topics will be explored, and aural skills will be developed in preparation for the student's professional musical career and the AP Music Theory Exam. **Department Recommendation:** Students must pass a placement test in the spring prior to beginning the course or have completed Music Theory with a B or higher.

A SYMPHONIC BAND 861 1 credit

The Symphonic Band offers students a performance arena for instrumental music. Instruction on tone production, rhythm, and musical expression will be provided through the performance of quality literature of the wind band genre. The ensemble offers 2-3 performances through the year which students will be required to attend, though these may occur outside of the school day. Students enrolled in the course are strongly encouraged to participate in the marching band to further their skill development on their instrument. **Department Recommendation:** Incoming students must successfully complete the middle school band curriculum or pass an audition with the director. New students must audition with the director in the spring of the previous year. Returning students must have an average of C or higher in the previous year. This course can be repeated each year.

A **PERCUSSION ENSEMBLE** **862** **1 credit**

Percussion Ensemble is a dedicated group for percussionists who have had previous band experience and are interested in further developing their ability in the percussive arts. Emphasis is placed on the fundamentals of comprehensive percussion performance (snare drum, timpani, keyboards, marching percussion, and drum set), including tonal concepts, technical skills, rehearsal skills, aural skills, and rudimentary music theory. Through this course, developing percussionists would learn the technique of not only battery and mallet percussion, but also explore the auxiliary instruments and correct techniques to play them with. **Department Recommendation:** Incoming students must successfully complete the middle school band curriculum or pass an audition with the director. This course is recommended for all percussionists. Placement recommendation in the band program is done via audition for all percussion students.

A **WIND ENSEMBLE** **863** **1 credit**

The Wind Ensemble is the advanced instrumental ensemble at the high school. Emphasis on individual playing and study is expected. Instruction on tone production, rhythm, and musical expression will be provided through the performance of quality literature. The ensemble offers 2-3 performances through the year which students will be required to attend, though these may occur outside of the school day. Students enrolled in the course are strongly encouraged to participate in the marching band to further their skill development on their instrument.

O **MUSIC APPRECIATION** **856** **.5 credit**

This course develops skills and knowledge enabling the student to gain both a greater understanding and appreciation of all types of music and its relationship with art, literature, and history. The course focuses attention on many styles of music so that students learn to appreciate the rich diversity of musical traditions around the world and within their culture. Special emphasis is placed on classical, jazz, and blues. Students will learn through reading, listening, and analyzing music and recordings. No special abilities in music are required for this course.

A **CONCERT CHOIR** **885** **1 credit**

The Concert Choir is an advanced choral ensemble at the high school. Membership is by audition. The purpose of the choir program at Daniel Boone is to teach students the basics of healthy singing, a general understanding of musical style and genre, and the joys of working as a group toward a common goal. In addition to the regular rehearsal time, all students will be required to attend a number of sectional rehearsals during Flex time. As Concert Choir is a performing group, attendance at all dress rehearsals and performances is required. The choir will perform in two concerts throughout the year. Additional adjudicated performances may also be scheduled and may occur outside of the typical school day. **Department Recommendation:** Membership is determined by audition when the student first enrolls. Continued membership is determined by each student's conduct, participation, and progress throughout the year. The course can be repeated each year.

A **CHORALE** **871** **1 credit**

Chorale is open to all students interested in singing. There is no audition requirement for enrollment. The purpose of the choir program at Daniel Boone is to teach students the basics of healthy singing, a general understanding of musical style and genre, and the joys of working as a group toward a common goal. In addition to the regular rehearsal time, all students will be required to attend a number of sectional rehearsals during Flex time. As Chorale is a performing group, attendance at all dress rehearsals and performances is required. The choir will perform in two concerts throughout the year. Additional adjudicated performances may also be scheduled and may occur outside of the typical school day. **Department Recommendation:** Continued membership is determined by each student's conduct, participation, and progress throughout the year. The course can be repeated each year.

E **INTRODUCTION TO MUSIC TECHNOLOGY** **875** **.5 credit**

This course will allow students to explore the various ways that current technology has become a vital component of producing commercial music – both live and recorded. Students will explore topics in live music editing, digital audio editing, sequencing, mixing, video software, and electronic composition. Students will also explore various topics that are vital to the success of the entertainment industry. **Department Recommendation:** A background in reading musical notation is strongly suggested but not required. Students who have not taken another music class at the high school level must have teacher approval before enrolling.

BEGINNER PIANO 880 .5 credit

Students will learn to read music and play simple melodies and chords on piano. Basic music theory will also be addressed. All students will be provided a method book to work through at an individual pace. Students must have a piano or keyboard at home to practice. Teacher will administer written and playing tests throughout the year. No special abilities in music are required for this course.

BEGINNER ACOUSTIC GUITAR 881 .5 credit

Students will learn to play basic chords, progressions, and simple melodies on guitar. Basic music theory, guitar tuning and maintenance, strumming patterns, and TAB will also be addressed. Acoustic guitars will be provided for classroom use, however students are strongly encouraged to have their own instrument at home to practice. Teacher will administer written and playing tests throughout the year. No special abilities in music are required for this course, though students enrolled must be comfortable singing and playing in front of others.

SCIENCE

Course Key
A – Annual
O – 2028-29
E – 2027-28

A BIOLOGY 401 1 credit

Biology is a phenomena-based course that builds on basic biological concepts developed in Life Science. The program focuses on the study of living things through the following areas: cells and cell functions, cellular reproduction, biochemistry, genetics, ecology, and evolution. play a major role in the course by developing insights into problem solving and practical applications in the field of biology. The course is designed to guide students to successful completion of the Biology Keystone Exam, which is a PA graduation requirement. **Department Recommendation:** Successful completion of Grade 9 Science

A HONORS BIOLOGY 403 1 credit

Honors Biology is a phenomena-based course that builds on basic biological concepts developed in Life Science. The Honors level is for academically motivated students who may be interested in pursuing a scientific or medical field at the collegiate level. The program focuses on the study of living things through the following areas: cells and cell functions, cellular reproduction, biochemistry, genetics, ecology, and evolution. Laboratory investigations play a major role in the course by developing insights into problem solving and practical applications in the field of biology. The course is designed to guide students to successful completion of the Biology Keystone Exam, which is a PA graduation requirement. **Department Recommendation:** Grade of 90% or higher in Grade 8 Science or Grade 9 Science.

A ADVANCED PLACEMENT BIOLOGY 404 1 credit

This course is the equivalent of two semesters of college level general biology course designed to be taken by students after successful completion of Biology. The course is based on four "Big Ideas:" Evolution, Energy, Information, Interactions. It focuses specifically on Molecules and Cells, Genetic Transfer, and Variations in Organisms and Populations. The purpose of this course is to prepare students for college science courses and for the AP examination that is administered in May. The student may earn college credits for successful completion based on the results of the AP Biology Exam. **Department Recommendation:** Completion of Honors Biology with an 80% or higher, or Biology with a 90% or higher AND teacher approval. Honors Chemistry MUST be taken either as a prior class OR concurrently.

A **CHEMISTRY** **409** **1 credit**

Chemistry is a phenomena-based course that focuses on concepts of Physical Science. The course will investigate atomic and molecular structure, electron behaviors, chemical bonding, chemical nomenclature, chemical reactions, and mathematical relationships that govern the chemical world. Laboratory investigations play a major role in the course by developing insights into problem solving, the scientific thought process, and practical applications in the field of chemistry. **Department Recommendation:** Successful completion of Algebra 1 and Biology.

A **HONORS CHEMISTRY** **412** **1 credit**

Honors chemistry is a phenomena-based course that focuses on concepts of Physical Science. The Honors level is for academically motivated students who may be interested in pursuing further study of chemistry and/or other advanced sciences. The course will investigate atomic and molecular structure, electron behaviors, chemical bonding, chemical nomenclature, chemical reactions, and mathematical relationships that govern the chemical world. Laboratory investigations play a major role in the course by developing insights into problem solving, the scientific thought process, and practical applications in the field of chemistry. **Department Recommendation:** Completion of Honors Biology with an 80% or higher OR Biology with a 90% or higher. Algebra 1 with a grade of 80% or higher.

A **ADVANCED PLACEMENT CHEMISTRY** **413** **1 credit**

This AP Chemistry course is designed to be the equivalent of the general chemistry courses usually taken during the first two semesters of college. This course is structured around nine Units as described in the AP Chemistry curriculum framework provided by the College Board. These include Atomic Structure and Properties, Structure and Properties of Compounds, Intermolecular Forces, Chemical Reactions, Kinetics, and Equilibrium. An emphasis will be placed on student laboratory procedures and explanations of data. Students will be asked to create their own procedures for several experiments using an inquiry-based approach. The purpose of this course is to prepare students for the AP examination which is administered in May. The student may earn college credits for successful completion based on the results of the AP Chemistry Exam. **Department Recommendation:** Honors Chemistry completed with an 80% or higher. Chemistry with 90% or higher AND must have teacher approval from Chemistry teacher. Successful completion of Honors Algebra 2 with an 80% average or higher or Geometry with a 90% or higher. **Summer work is required and will be communicated during summer break.**

A PHYSICS 420 1 credit

Physics is a mathematical and theoretical study of kinematics, force, vectors, momentum, energy, heat, fluid dynamics, light, sound, electricity, magnetism, and nuclear physics. In other words, it is the study of principles and laws governing the behavior of the animate world and universe. Strong Algebra skills are suggested. It is highly recommended that a Physics course be taken by all students planning on attending a four-year college after graduation. **Department Recommendation:** Completion of Chemistry, Algebra I, Geometry.

A ADVANCED PLACEMENT PHYSICS I: ALGEBRA BASED 423 1 credit

AP Physics 1: Algebra-Based is intended for college-bound juniors and seniors interested in taking an introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: Kinematics, Dynamics, Force, Energy, Momentum, Circular/Rotational Motion, Oscillations, Fluids, Simple Harmonic Motion, and Torque. Students engage in laboratory investigations and modeling. This course follows the curriculum set forth by College Board and students could potentially earn 4 college credits with successful completion of the course and associated AP Exam. **Departmental Recommendation:** Earn a minimum grade of 80% in Honors Chemistry or 85% in Chemistry; AND Successful completion of an Algebra II course or concurrently enrolled in Honors Algebra 2. **Summer work may be required and will be communicated to students during the summer break preceding the academic school year.**

A ADVANCED PLACEMENT PHYSICS II: ALGEBRA BASED 422 1 credit

AP Physics 2: Algebra-Based intended for college-bound seniors interested in further exploring introductory college-level physics. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: Thermodynamics, Electrostatics, Electric Circuits, Electrical Force, Magnetism, Geometric Optics, Waves, Physical Optics, and Quantum, Atomic and Nuclear Physics. This course follows the curriculum set forth by the College Board and students could potentially earn 4 college credits with successful completion of the course and associated AP Exam. **Department Recommendation:** Successful completion of AP Physics 1: Algebra-Based AND successful completion or concurrently enrolled in Honors Pre-Calculus.
Summer work may be required and will be communicated to students during the summer break preceding the academic school year.

A **ADVANCED PLACEMENT PHYSICS C 426 1 credit**

This second-year physics course is a Calculus-based physics course intended for college bound students intending to pursue a degree in engineering, mathematics, the sciences, or the medical field. The course will focus on mechanics and electricity and magnetism. This course requires a strong mathematical foundation and will utilize mathematics from Algebra I and II, Geometry, Trigonometry, and Calculus (all Calculus applications will be taught as needed within the physics content). The purpose of this course is to prepare students for the AP examination administered in May. The student may earn college credits for successful completion based on the results of the AP Physics Exam. **Department Recommendation:** Successful completion of AP Physics I with an 80% or higher, OR Physics with a 90% or higher, or 85% with teacher approval. Completion of Algebra 1 (80%+), Geometry (80%+), and Algebra 2 (80%+).

A **EARTH AND SPACE SCIENCE 435 1 credit**

This course will present to the student the physical world around them as one large system. Through hands-on activities, students will investigate the basics of geology, oceanography, meteorology, and astronomy. Emphasis will be given to how each component of the Earth-atmosphere system affects the other components. **Department Recommendation:** Successful completion of Biology

A **9th GRADE SCIENCE 441 1 credit**

This course provides students with an introduction to the major disciplines of science, including chemistry, physics, life science, and environmental science. Students will explore the structure and properties of matter, chemical reactions, motion, forces, energy, and the laws that govern the physical world. In life science, students will investigate cells, genetics, ecosystems, evolution, and the interdependence of living organisms. Environmental science topics will include natural resources, biodiversity, climate, human impacts on the environment, and strategies for sustainability and conservation. Through hands-on laboratory investigations, scientific inquiry, data analysis, collaborative projects, and real-world problem-solving, students will develop critical-thinking skills and learn to apply scientific principles to everyday life.

A **ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE 454 1 credit**

AP Environmental Science is the study of interrelationships between human activities and the environment. Environmental Science is an unusual academic discipline in that it requires scientific knowledge about the natural world, as well as an understanding about ways in which humans interact with the natural world. We examine effects of human actions on the environment, and the means by which policies, regulations, and decisions influence human actions. We also examine human behavioral, cultural, and sociological interactions that affect the environment. This course has a strong emphasis in biology, geology, chemistry, and physics to study the concept of sustainability in an integrated way, including environmental, economic, and social aspects, exploring both desirable future conditions and the transitions needed to reach them. The basic tenet of Environmental Science is that progress toward a sustainable future depends on the creative application of interdisciplinary thinking. **Department Recommendation: This course is limited to Juniors and Seniors.** Successful completion of Biology AND Chemistry with the following qualifications: Honors Biology (80%+) OR Biology (85%+). Honors Chemistry (80%+) OR Chemistry (85%+). Completion of Algebra I and Geometry (70%+).

A **HONORS HUMAN ANATOMY AND PHYSIOLOGY 440 1 credit**

This is an honors-level course designed to provide a strong foundation for those students who want to pursue a career in the medical or health-related professions. Students will study the anatomical makeup and function of the systems and organs of the human body and the biochemistry of the cells that make up these organs. Students will dissect the rat, the cat (or rabbit), in addition to a variety of animal organs, usually sheep. Dissections are a course requirement and are a large part of this curriculum. Dissections are completed throughout the entire year. **Department Recommendation:** Completion of Honors Biology with an 80% or higher, OR Biology with a 90% or higher, OR 85% with teacher approval **AND** Honors Chemistry with an 80% or higher, OR Chemistry with a 90% or higher OR 85% with teacher approval.

E **ORGANIC CHEMISTRY 452 .5 credit**

This course focuses on the chemistry of carbon and its compounds. Special focus is placed on drawing structures, building molecular models, and naming of hydrocarbons and their derivatives. Functional groups and chemical reactions will also be explored. An independent project will allow students to explore the importance of carbon chemistry in the environment, health/medical fields, and daily life. **Department Recommendation:** Successful completion of Biology and Chemistry.

A **FORENSICS** **445** **1 credit**

This course allows students the opportunity to practice skills involving analyses used in criminal investigations. Application of scientific skills and problem-solving techniques are integrated into enforcement of governmental laws. Areas of study include fingerprint analysis, DNA analysis, blood spatter analysis, hair analysis, and others. **Department Recommendation:** Completion of Biology and Chemistry.

SOCIAL STUDIES

Course Key
A – Annual
O – 2028-29
E – 2027-28

A WORLD HISTORY 505 1 credit

The purpose of this course is to explore World History/Humanities and Cultures from the 1700's to the Modern Era. The course begins with the Age of Reason (Enlightenment) and continues through periods of revolution, industrialism, nationalism, imperialism, and world wars. It concludes with an overview of the contemporary world.

A HONORS WORLD HISTORY 502 1 credit

The purpose of this course is to explore World History/Humanities and Cultures from the 1700's to the Modern Era. With emphasis on student research, writing, and supplementary readings, students in Honors World History will explore the problems of peoples throughout the world. This course is designed to help students understand and appreciate developmental differences. **Department Recommendation:** Grade of A in 8th grade Social Studies.

A UNITED STATES HISTORY I 506 1 credit

The purpose of this course is to explore United States History from Discovery to Reconstruction. Emphasis will be placed on the causes and results of the two major conflicts of the period: The Revolution and the Civil War. The course begins with the Age of Exploration, accomplishments of the Native Americans, the Colonial Period, the Revolutionary War, and the attempts to create a new democratic government. The course concludes with an examination of the forces that threatened to tear apart our nation and the compromises attempted to avoid the bloody conflict of civil war. **Department Recommendation:** Successful completion of World History

A HONORS UNITED STATES HISTORY I 512 1 credit

The political, economic, and social changes in America between the times of the creation of the Constitution through the Gilded Age will be studied in Honors United States History I. Emphasis will be placed on the causes and results of the creation of the American Identity during the time prior to the turn of the nineteenth century. Students will also study the famous presidents of our early history such as Washington, Jefferson, Jackson, and Lincoln. Emphasis will be placed on student research, analysis, and discussion. **Department Recommendation:** Grade of A in World History, or C or higher in Honors World History.

A UNITED STATES HISTORY II 507 1 credit

This course will cover United States history at the turn of the 20th century to present day, focusing not only on the United States but the entire world. This course will address how the study of the past gives information for today to make choices for liberty and freedom. **Department Recommendation:** Successful completion of United States History I.

A HONORS UNITED STATES HISTORY II 522 1 credit

This course is designed to provide students with analytical skills and factual knowledge necessary to deal critically with the problems and events in American History since 1900. This survey course utilizes a digital resources and supplemental material in the form of primary source documents, essays, and simulations to provide chronologically detailed coverage. Students will be provided the opportunity to develop skills of organizing materials, writing essays, and interpreting outside readings. Summer work is required. **Department Recommendation:** Grade of A in United States History I, or C or better in Honors United States History I.

A ADVANCED PLACEMENT UNITED STATES HISTORY 523 1 credit

The AP United States History course is designed to encourage students to learn and use the higher order cognitive skills derived from the discipline of history itself. The course places heavy emphasis on the development of thinking and writing skills with careful attention to those understandings equivalent to a college-level introductory course. Major research efforts are a normal part of the AP curriculum, and a sample list of topics is an addendum to the course of study. Rather than simply demanding content matter, the curriculum stresses the development and use of application, analysis, synthesis, and evaluative skills. It must be clear that although the course is, in part, designed to help equip students to take the AP Exam, success in class does not guarantee success on the exam itself. **Department Recommendation:** Grade of an A in Honors United States History I, successful completion of a required summer reading list, and teacher recommendation based on a writing sample.

A POLITICAL SCIENCE/ECONOMICS 508 1 credit

The objective of this course is to achieve an awareness of the political, economic, and social rewards of living in a democratic society. There are two major academic areas covered: political science and economics. Political Science includes a comprehensive analysis of the structure of American government as one form of a democratic republic, the foundation of state, and local government and an in-depth analysis of our First Amendment rights. The study of economics includes both the classical approach to economic theory and the more modern concept of income analysis. Students will learn basic concepts of the economy, supply and demand, forces that drive the economy, and the forms of money. **Department Recommendation:** Successful completion of United States History II.

A HONORS POLITICAL SCIENCE/ECONOMICS 532 1 credit

Honors Political Science/Economics is designed to work toward two goals. First, students are encouraged to develop skills needed for college work. These skills include organizing materials, writing essays, reading high-level materials, and discovering points of view. Secondly, students will explore the background and status of many international problems, both immediate crises and long-term problems. Emphasis will be placed on student research, analysis, and discussion. Summer work is required. **Department Recommendation:** Grade of A in United States History II, or C or higher in Honors United States History II. Summer work must be completed handed in to the High School Guidance Office by August 11.

A AP GOVERNMENT AND POLITICS 534 1 credit

This course can be taken as a replacement for Political Science/Economics. This is a college introductory course in United States Government and Politics. The aim of the course is to provide students with a learning experience equivalent to that obtained in most college introductory U.S. government and politics courses. Students will be given an analytical perspective on government and politics in the United States. The course will cover both the study of general concepts used to interpret U.S. government and politics, and the analysis of specific examples such as institutions, groups, beliefs, and ideas that constitute U.S. government and politics. Students will become knowledgeable about theoretical perspectives and explanations for various behaviors and outcomes. Students will be able to critically analyze relevant theories and concepts, apply them appropriately and develop connections across the curriculum. Economics will be addressed after the completion of the AP exam in May. Summer work is required. **Department Recommendation:** Grade of B in Honors United States History II, C or higher in AP United States History.

A LAW/ANTHROPOLOGY 543 1 credit

Law is an introduction to the organization, administration, and operation of the criminal justice system of the U.S. The course involves a study of criminal offenses, laws of arrest, search and seizure, legal proceedings, and civil law. In each of the areas studied, the expertise of local resources is utilized as much as possible. The course involves an introduction to anthropological knowledge of human nature. Anthropology compares the social life of various societies from around the globe. Categories of comparison include politics, economics, religion, and kinships. Students will be involved in mock trials, research, and class presentations. **Department Recommendation:** Grade of B or higher in previous Social Studies, or successful completion of Honors or AP Social Studies course. Recommended for 11th and 12th grade students.

A SOCIOLOGY 541 1 credit

The focus of this course is placed on the foundations of sociology: collective behavior, social movements, and world religions. The serious student may gain insights into both the effect of the environment on human relations and behavioral modification through group dynamics, with an emphasis on understanding human interaction. The course will conclude with an analysis of how and why people have caused culture to change. Students will study change in the U.S. from the 1960's to the present. This course uses a college level material **Department Recommendation:** B or higher in previous Social Studies, or successful completion of an Honors or AP Social Studies course. Recommended for 11th and 12th grade students.

A PSYCHOLOGY 542 1 credit

The psychology course is designed to provide the serious student with a solid introduction to the behavioral sciences. To accomplish this broad objective, the student will, in the process of completing a principle course, be introduced to the major concepts and practices of the science of psychology. This course uses a college level material. **Department Recommendation:** Grade of B or higher in previous Social Studies, or successful completion of an Honors or AP Social Studies course. Recommended for 11th and 12th grade students.

A ADVANCED PLACEMENT PSYCHOLOGY 544 1 credit

The purpose of this college level course is to introduce students to the systematic and scientific study of the behavior and mental processes of human beings. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the methods psychologists use in their science and practice. Students must have excellent critical reading skills and time management strategies. **Department Recommendation:** Grade of B or higher in an Honors History Course.

A **ADVANCED PLACEMENT EUROPEAN HISTORY 546 1 credit**

(Can be taken in lieu of 9th grade World History)

This course is comparable in scope and difficulty to a college-level course. AP European History's principle goal is to foster a deeper understanding of the cultural, diplomatic, economic, intellectual, political, and social history of Europe from the High Renaissance (1450) to the present. While using primary and secondary sources alongside a college-level material, students will learn to read with discrimination and to express concise and coherent ideas orally and in writing. It will prepare students to take the AP European History exam in May. **Department Recommendation:** This course is open to 9th*, 10th, 11th, and 12th grade. A mandatory minimum grade of an A in Honors World History, Honors United States History I, or United States History II. *Freshman must have teacher recommendation.

A **ADVANCED PLACEMENT HUMAN GEOGRAPHY 550 1 credit**

(Can be taken in lieu of 9th grade World History)

The purpose of the AP Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. Students also learn about the methods and tools geographers use in their research and applications. The AP Human Geography course is considered a gateway course into Advanced Placement programming and college level work. The topics studied in an AP Human Geography course should be judged in light of the following five college-level goals that build on the National Geography Standards developed in 1994 and revised in 2012. On successful completion of the course, students should have developed skills that enable them to: *Interpret maps and analyze geospatial data. Understand and explain the implications of associations and networks among phenomena in places. Recognize and interpret the relationships among patterns and processes at different scales of analysis. Define regions and evaluate the regionalization process. Characterize and analyze changing interconnections among places.*

Topics:

i. *Geography: Its Nature and Perspectives*
ii. *Population and Migration*
iii. *Cultural Patterns and Processes*
iv. *Political Organization of Space*
v. *Agriculture, Food Production, and Rural Land Use*
vi. *Industrialization and Economic Development*
vii. *Cities and Urban Land Use*

TECHNOLOGY EDUCATION

Course Key
A – Annual
O – 2028-29
E – 2027-28

A **ARCHITECTURAL DESIGN** **743** **.5 credit**

Architectural Design offers students an experience in residential building planning and construction using AutoDesk's AutoCAD software. Various construction methodologies are explored. Students will create and manufacture scale models of residential buildings for display. **Department Recommendation:** Successful completion of Algebra 1.

A **TECHNOLOGICAL DESIGN** **746** **.5 credit**

Dive into the world of engineering through immersive, hands-on projects that leverage various tools and technologies. In this course, students will work to tackle real-world engineering design challenges, applying concepts from technology, science, and mathematics. Students will engage in practical activities that involve manipulating materials and using various tools to create innovative designs. This course is an essential experience for students passionate about hands-on experiences in the technology, innovation, design, and engineering fields.

WORLD LANGUAGES

Course Key
A – Annual
O – 2028-29
E – 2027-28

A GERMAN I 211 1 credit

The primary goal in German I is to help students develop proficiency in the four basic language skills: listening, speaking, reading, and writing. Level I also aims to increase the students' knowledge of diverse cultures of the German-speaking countries**.** **Department Recommendation:** Good language arts skills; Grade 75% or better in previous English course

A GERMAN II 212 1 credit

The second-year study of German builds cumulatively in scope and depth upon the skills acquired in German I. Students will improve their proficiency by learning more vocabulary and grammatical structures. Culturally authentic situations are explored so that the students can communicate by practicing their language skills. **Department Recommendation:** Grade of 70% or higher in Level 1 or teacher recommendation.

A GERMAN III 213 1 credit

The goal of the third level of German is to improve proficiency in listening, reading, writing, and speaking, the base of which was already created in the two beginning levels. The students' fluency (the ease and confidence with which they use German for self-expression) is improved. Reading selections, videos of native speakers, and speaking activities are presented for increased comprehension. **Department Recommendation:** Grade of 70% or higher in Level 2 or teacher recommendation.

A HONORS GERMAN IV 214 1 credit

In this German IV course, the skills acquired in German III are applied to elicit creative oral and written communicative activities as well as refine listening skills. The emphasis is on increasing the ability to comprehend spoken German as well as the ability to express oneself in spoken and written German. Advanced grammar structures and vocabulary are introduced. **Department Recommendation:** Grade of 80% or higher in Level 3 or teacher recommendation.

A **SPANISH I** **221** **1 credit**

The primary goal in Spanish I is to help students develop proficiency in the four basic language skills: listening, speaking, reading, and writing. Level I also aims to increase the students' knowledge of diverse cultures of the Spanish-speaking countries. **Department Recommendation:** Good language arts skills; Grade of 75% or better in previous English course

A **SPANISH II** **222** **1 credit**

The second-year study of Spanish builds cumulatively in scope and depth upon the skills acquired in Spanish I. Students will improve their proficiency by learning more vocabulary and grammatical structures. Culturally authentic situations are explored so that the students can communicate by practicing their language skills**. Department Recommendation:** Grade of 70% or higher in Level 1 or teacher recommendation.

A **SPANISH III** **223** **1 credit**

The goal of the third level of Spanish is to improve proficiency in listening, reading, writing, and speaking, the base of which was already created in the two beginning levels. The students' fluency (the ease and confidence with which they use Spanish for self-expression) is improved. Reading selections, videos of native speakers, and speaking activities are presented for increased comprehension. **Department Recommendation:** Grade of 70% or higher in Level 2 or teacher recommendation.

A **AP SPANISH LANGUAGE AND CULTURE** **225** **1 credit**

This course is the fourth year of Spanish studies at Daniel Boone High School and replaces Honors Spanish 4. An AP® Spanish Language course is designed to be comparable to a third-year level college Spanish language course. It emphasizes the use of Spanish for active communication, aural/oral skills, reading comprehension, grammar, and composition. The course seeks to develop language skills that are useful in themselves and that can be applied to various activities and disciplines. It will also include extensive training in the organization and writing of compositions. This course is taught entirely in Spanish and reflects the guidelines outlined in the College Board's AP® Spanish course description. **Department Recommendation:** Grade of 80% or higher in Spanish III or teacher recommendation.

CAREER

Course Key
A – Annual
O – 2028-29
E – 2027-28

A INTERNSHIP 905 .5 / 1.0 Credit

The purpose of the Internship Program is to provide a practical introduction to the work environment through direct contact with professionals in the community. The Internship Coordinator monitors the work-based experience and provides support to the student. Internships may be paid or unpaid and can be tailored to the unique needs and interests of the learner. Students are assigned to a workplace environment and complete their internship for academic credit. Students must provide their own transportation. Upon completion of hours, students are responsible for fulfilling the project requirements. **This program is open to all junior and senior students.** Interested students should contact their school counselor and meet the following criteria:

- In good standing with: Academics, Behavior, Credits, Chapter 339 requirements
- Completed at least one job shadowing experience.

A ABC PRE-APPRENTICESHIP 904 .5 Credit

The goal of this pre-apprenticeship training course is to allow students to develop the skills necessary to succeed in trade they can thrive and earn a great income. Students will discover a college alternative career pathway that gives them valuable, in-demand skills and preps them for entry into an "Earn While You Learn" apprenticeship program. Once the pre-apprenticeship course is complete students will be able to move into an apprenticeship in one of seven trades. **This course is for Seniors ONLY**

A **FRESHMAN LEADERSHIP NETWORK 015 .5 Credit**

The program is designed to support the needs of our newest students as they transition into the high school environment. Freshman Leadership Network is a course that meets every other day for a semester during a student's 9th grade year. Students will work with a faculty mentor and other Daniel Boone staff members to cover a variety of transitional topics such as college and career planning, financial literacy, leadership, student involvement, empathy, equity, digital citizenship, discipline, study habits, and time management. In addition, upperclassmen student ambassadors will serve as student mentors to provide support and work with the freshmen to help in the transition process. The goal of Freshman Leadership Network is to support students during their transition to DBAHS through support and encouragement to promote success and to help build our BLAZER culture.

Program Goals:

- To ensure that all students transition to the high school environment successfully.
- To provide ongoing, multi-tiered support for our newest Blazers.
- To model and assist students in their development of good study and work habits.
- To provide social, emotional, and academic lessons and topics for students to gain social-emotional, and 21st century learning skills.
- Career and industry exposure through speakers, trips, and activities to promote college and career readiness.
- Components of the course will fulfill a portion of the requirements for graduation in Chapter 339 Career Readiness.



BLAZER VIRTUAL ACADEMY

2027-2028 HIGH SCHOOL COURSE LIST

Daniel Boone Area School District

Mission

Taking pride in growing diverse learners in a safe environment.

Vision

Learning together; Advocating for all.

Core Beliefs/Values:

Acceptance and Respect
Communication and Collaboration
Celebrating Specific Successes
Critical Thinking and Problem Solving

Priority focus Areas:

Health and Safety
Competitive Curriculum
Continual Learning
Cultural Investment
Responsible Resource Allocation

Graduates; Life Ready because they:

Contribute to the Community
Are Resilient
Readily Advocate for Self & Others
Effectively Communicate

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BLAZER VIRTUAL ACADEMY OVERVIEW

This document is specific to the Blazer Virtual Academy. This is a supplemental document for Daniel Boone Area School District's virtual students. Please refer to the Daniel Boone Area High School's Course Selection Guide for additional information that is not directly related to virtual learning. For example, graduation requirements are the same whether a student is taking virtual courses or in-person classes. Therefore, information concerning graduation requirements is listed in the Daniel Boone Area High School's Course Selection Guide. Additionally, important information specific to the Blazer Virtual Academy is contained in the Student Handbook. All students must review the handbook prior to enrollment.

The Blazer Virtual Academy is an extension of the Daniel Boone Area School District. It provides online and flexible learning opportunities for students. Through the Blazer Virtual Academy (BVA), the Daniel Boone Area School District offers numerous online courses to satisfy a variety of student needs. The Blazer Virtual Academy offers both core and elective courses. If you are interested in online courses, please contact your guidance counselor. Enrollment in BVA courses requires consent from parent(s)/guardian(s).

SCHEDULING

It is very important that parents and students understand the value of planning an educational program specific to career aspirations and then selecting courses of study to satisfy those plans. This booklet describes the BVA courses available to students for the upcoming school year. Please read carefully the descriptions concerning course content and course expectations. Speak with teachers, consult with your school counselors to make the most informed decisions regarding your course requests. Students' past grades, standardized test results and career aspirations are key scheduling ingredients. Each year, the BVA coordinator and school counseling office, dedicates time for review of student choices with parents and staff members to eliminate the need for course selection changes later. Prior to the start of the upcoming semester, students must contact their school counselor to make changes to their schedules during the summer drop add period. This period for schedule changes and adjustments will occur prior to the start of the school year. **No course drop or withdrawal will occur after the beginning of each BVA semester.**

ENGLISH LANGUAGE ARTS CORE COURSES

PA COMMON CORE ELA 9

EDGENUITY English 9A **ED102A** **.5 credit**
EDGENUITY English 9B **ED102B** **.5 credit**

In this thematically organized course, students read a broad variety of fiction and nonfiction, building their background knowledge across complex texts. Students draw upon what they've read to answer questions, make and support claims, analyze central ideas and details, and trace ideas across multiple texts. Students will develop and apply critical thinking and literary analysis skills as they speak, listen, read, and write— building the language arts skills they will need for college and career readiness.

PA COMMON CORE ELA 9 Honors

EDGENUITY Hon English 9A **ED103A** **.5 credit**
EDGENUITY Hon English 9B **ED103B** **.5 credit**

This freshman-year English course engages students in literary analysis and inferential evaluation of great texts both classic and contemporary. While critically reading fiction, poetry, drama, and literary nonfiction, students will master comprehension and literary-analysis strategies. Interwoven in the lessons across two semesters are activities that encourage students to strengthen their oral language skills and produce clear, coherent writing. Students will read a range of classic texts including Homer's T*he Odyssey*, Shakespeare's *Romeo and Juliet*, and Richard Connell's "The Most Dangerous Game." They will also study short but complex texts, including influential speeches by Dr. Martin Luther King, Jr., Franklin D. Roosevelt, and Ronald Reagan. Contemporary texts by Richard Preston, Julia Alvarez, and Maya Angelou round out the course. **RECOMMENDATION:** A in English 8 or recommendation of an English 8 teacher.

PA COMMON CORE ELA 10

EDGENUITY English 10A **ED112A** **.5 credit**
EDGENUITY English 10B **ED112B** **.5 credit**

Note: Students taking this course will take the PA ELA 10 Keystone exam in-person in the spring. This sophomore English course is organized thematically, allowing students to trace ideas across multiple fiction and nonfiction texts. As students engage with what they read, they use textual evidence to support arguments and to make inferences about the author's purpose and choice of language. In this course students speak, listen, read, and write—developing and applying a range of critical thinking and literary analysis skills they will need to tackle more complex texts in upper grades, college, and careers.

PA COMMON CORE ELA 10H

EDGENUITY Hon English 10A **ED113A** **.5 credit**
EDGENUITY Hon English 10 B **ED113B** **.5 credit**

Note: Students taking this course will take the PA ELA 10 Keystone exam in-person in the spring. Focused on application, this sophomore English course reinforces literary analysis and twenty-first century skills with superb pieces of literature and literary nonfiction, application e-resources, and educational interactives. Each thematic unit focuses on specific literary analysis skills and allows students to apply them to a range of genres and text structures. As these units meld modeling and application, they also expand on training in media literacy, twenty-first century career skills, and the essentials of grammar and vocabulary. Under the guidance of the writing software, students also compose descriptive, persuasive, expository, literary analysis, research, narrative, and compare-contrast essays. Students will sit for the state mandated Keystone exam in May. **RECOMMENDATION**: A grade of an A or higher in English 9 or a B or higher in Honors English 9.

PA COMMON CORE ELA 11

EDGENUITY English 11A **ED122A** **.5 credit**
EDGENUITY English 11B **ED122B** **.5 credit**

In this course, students journey through the history of American literature, from the early writings of Indigenous peoples and European settlers to modern texts. As students read, they are encouraged to use textual evidence to support their analyses and analyze the impact of the author's choices. Students make written and oral arguments to support claims, and they build upon previous writing skills to develop a formal and mature writing style. Students also develop their listening skills, integrating what they hear and what they read to form and communicate clear perspectives on a variety of issues.

PA COMMON CORE ELA 11H

EDGENUITY Hon English 11A **ED123A** **.5 credit**
EDGENUITY Hon English 11 B **ED 123B** **.5 credit**

This junior-year English course invites students to delve into American literature from early indigenous voices through contemporary works. Students engage in literary analysis and inferential evaluation of great texts as the centerpieces of this course. While critically reading fiction, poetry, drama, and expository nonfiction, students master comprehension and literary analysis strategies. Interwoven in the lessons across two semesters are tasks that encore students to strengthen their oral language skills and produce creative, coherent writing. **RECOMMENDATION:** A grade of an A or higher in English 10 or a B or higher in Honors English 10.

PA COMMON CORE ELA 12

EDGENUITY English 12A **ED132A** **.5 credit**
EDGENUITY English 12B **ED132B** **.5 credit**

In this course, students journey through British literature as they analyze foundational fiction and literary nonfiction works. As students read, they use textual evidence to support their analyses and analyze the impact of the author's choices. Students make written and oral arguments to support claims, and they build upon previous writing skills to develop a formal and mature writing style. Students also further develop their listening skills, integrating what they hear and what they read to form and communicate clear perspectives on a variety of issues.

PA COMMON CORE ELA 12H

EDGENUITY Hon English 12A **ED133A** **.5 credit**
EDGENUITY Hon English 12B **ED103B** **.5 credit**

This senior-level English course offers fascinating insight into British literary traditions spanning from Anglo-Saxon writing to the modern period. With interactive introductions and historical context, this full-year course connects philosophical, political, religious, ethical, and social influences of each time period to the works of many notable authors, including Chaucer, William Shakespeare, Queen Elizabeth I, Elizabeth Barrett Browning, and Virginia Woolf. Adding an extra dimension to the British literary experience, this course also exposes students to world literature, including works from India, Europe, China, and Spain. **RECOMMENDATION:** A grade of A or higher in English 11 or a B or higher in Honors English 11.

ENGLISH LANGUAGE ARTS ELECTIVE COURSES

AP ENGLISH LITERATURE & COMPOSITION

EDGENUITY AP Lit. & Comp ED134 1 Credit

In this introductory college-level course, students develop the fundamentals of literary analysis and introductory college compositions. The course focuses on analyzing, evaluating, and interpreting literary fiction, poetry, and drama from a range of literary periods, authors, and perspectives. The diverse canon allows students to explore the function of character, setting, structure, narrator, and figurative language. Through a wide range of instruction and collaborative writing activities, students articulate their interpretation of literature through writing. The course includes exam preparation and practice that anticipates common student misconceptions. Course may be taken in lieu of Honors English 12 **RECOMMENDATION:** A grade of B or higher in Honors English 11. A grade of A or higher in English 11. AP level courses require a student to examine the course pacing in order to assure students have fulfilled the course material in expectation of the AP Exam date.

MYTHOLOGY & FOLKLORE: LEGENDARY TALES ELECTIVE

EDGENUITY Mythology & Folklore ED163 .5 credit

Mighty heroes. Angry gods and goddesses. Cunning animals. Beginning with an overview of mythology and different kinds of folklore, students will journey with ancient heroes as they slay dragons and outwit gods, follow fearless warrior women into battle, and watch as clever monsters outwit those stronger than themselves. They will explore the universality and social significance of myths and folklore, and see how these are still used to shape society today.

INTRODUCTION TO COMMUNICATIONS & SPEECH

EDGENUITY Communications A ED151A .5 credit
EDGENUITY Communications B ED151B .5 credit

Beginning with an introduction that builds student understanding of the elements, principles, and characteristics of human communication, this course offers fascinating insight into verbal and nonverbal messages and cultural and gender differences in the areas of listening and responding. High school students enrolled in this course will be guided through engaging lectures and interactive activities, exploring themes of self-awareness and perception in communication. The course concludes with units on informative and persuasive speeches, and students are given the opportunity to critique and analyze speeches. Section A must be taken prior to Section B.

JOURNALISM 1 : INVESTIGATING THE TRUTH

EDGENUITY JOURNALISM A ED140A .5 CREDITS
EDGENUITY JOURNALISM B ED140B .5 CREDITS

If you're the first to know what's going on in your school or town, or the first to post on Facebook or Instagram about your favorite TV shows or favorite celebrities, then you're just the person that every online, in-print, and broadcast news outlet is looking for. And Journalism: Investigating the Truth is the perfect course for you! In this course, you'll learn how to write a lead that grabs your readers, how to write engaging news stories and features, and how to interview sources. You'll also learn about the history of journalism, how to succeed in the world of social media news, and how to turn your writing, photography, and people skills into an exciting and rewarding career. (Students will need to be enrolled separately in each semester course. MUST COMPLETE Journalism 1A prior to 1B.)

CREATIVE WRITING

EDGENUITY Creative Writing ED141 .5 credit

For many hundreds of years, literature has been one of the most important human art forms. It allows us to give voice to our emotions, create imaginary worlds, express ideas, and escape the confines of material reality. Through creative writing, we can come to understand ourselves and our world a little bit better. This course provides students with a solid grounding in the writing process, from finding inspiration to building a basic story to using complicated literary techniques and creating strange hybrid forms of poetic prose and prose poetry. By the end of this course, students will learn how to discover their creative thoughts and turn those ideas into fully realized pieces of creative writing.

MATHEMATIC CORE COURSES

PRE-ALGEBRA

EDGENUITY Pre Algebra A **ED321A** **.5 credit**
EDGENUITY Pre Algebra B **ED321B** **.5 credit**

This full-year course is designed for high school students who have completed a middle school mathematics sequence but are not yet algebra-ready. This course reviews key algebra readiness skills from the middle grades and introduces basic Algebra I work with appropriate support. Students revisit concepts in numbers and operations, expressions and equations, ratios and proportions, and basic functions. By the end of the course, students are ready to begin a more formal Algebra I study.

ALGEBRA

EDGENUITY Algebra I A **ED301A ED301B** **.5 credit**
EDGENUITY Algebra I B **ED301A ED301B** **.5 credit**

Note: Students taking this course will take the PA Algebra Keystone exam in-person in the spring.

This full-year course focuses on five critical areas: relationships between quantities and reasoning with equations, linear and exponential relationships, descriptive statistics, expressions and equations, and quadratic functions and modeling. This course builds on the foundation set in middle grades by deepening understanding of linear and exponential functions and developing fluency in writing and solving one-variable equations and inequalities. Students will interpret, analyze, compare, and contrast functions that are represented numerically, tabularly, graphically, and algebraically. Quantitative reasoning is a common thread throughout the course as students use algebra to represent quantities and the relationships among those quantities in a variety of ways. Standards of mathematical practice and process are embedded throughout the course, as students make sense of problem situations, solve novel problems, reason abstractly, and think critically. Students will sit for the state mandated Keystone exam in May. **RECOMMENDATION**: C or higher in Pre-Algebra or Foundations of Algebra

GEOMETRY

EDGENUITY Geometry A **ED324A** **.5 credit**
EDGENUITY Geometry B **ED324B** **.5 credit**

This course formalizes what students learned about geometry in the middle grades with a focus on reasoning and making mathematical arguments. Mathematical reasoning is introduced with a study of triangle congruency, including exposure to formal proofs and geometric constructions. Then students extend what they have learned to other essential triangle concepts, including similarity, right-triangle trigonometry, and the laws of sines and cosines. Moving on to other shapes, students justify and derive various formulas for circumference, area, and volume, as well as cross-sections of solids and rotations of two dimensional objects. **RECOMMENDATION**: Successful completion of Algebra I; or successful completion of Algebra II

GEOMETRY H

EDGENUITY Geometry A **ED322A** **.5 credit**
EDGENUITY Geometry B **ED322B** **.5 credit**

This course formalizes what students learned about geometry in the middle grades with a focus on reasoning and making mathematical arguments. Mathematical reasoning is introduced with a study of triangle congruence, including exposure to formal proofs and geometric constructions. Then students extend what they have learned to other essential triangle concepts, including similarity, right-triangle trigonometry, and the laws of sines and cosines. Moving on to other shapes, students justify and derive various formulas for circumference, area, and volume, as well as cross-sections of solids and rotations of two-dimensional objects. Students then make important connections between geometry and algebra, including special triangles, slopes of parallel and perpendicular lines, and parabolas in the coordinate plane, and an in-depth investigation of the geometry of circles. The course closes with set theory and probability, as students apply theoretical and experimental probability to make decisions informed by data analysis. DEPARTMENTAL RECOMMENDATION: Grade of B or higher in Honors Algebra II; or a grade of A in Algebra II; Grade of B or higher in Honors Algebra I; or a grade of A in Algebra I.

ALGEBRA II

EDGENUITY Algebra IIA	**ED311A**	**.5 credit**
EDGENUITY Algebra IIB	**ED311B**	**.5 credit**

This course focuses on functions, polynomials, periodic phenomena, and collecting and analyzing data. The course begins with a review of linear and quadratic functions to solidify a foundation for learning these new functions. Students make connections between verbal, numeric, algebraic, and graphical representations of functions and apply this knowledge as they create equations and inequalities that can be used to model and solve mathematical and real-world problems. As students refine and expand their algebraic skills, they will draw analogies among the operations and field properties of real numbers and those of complex numbers and algebraic expressions. Mathematical practices and habits of mind are embedded throughout the course, as students solve novel problems, reason abstractly, and think critically. **RECOMMENDATION**: Successful completion of Algebra I

ALGEBRA II H

EDGENUITY Honors Algebra 2A	**ED312A**	**.5 credit**
EDGENUITY Honors Algebra 2B	**ED312B**	**.5 credit**

This course focuses on functions, polynomials, periodic phenomena, and collecting and analyzing data. This course begins with a review of linear and quadratic functions to solidify a foundation for learning these new functions. Students make connections between verbal, numeric, algebraic, and graphical representations of functions and apply this knowledge as they create equations and inequalities that can be used to model and solve mathematical and real-world problems. As students refine and expand their algebraic skills, they will draw analogies among the operations and field properties of real numbers and those of complex numbers and algebraic expressions. Mathematical practices and habits of mind are embedded throughout the course, as students solve novel problems, reason abstractly, and think critically. **RECOMMENDATION**: Grade of A or B from Honors Algebra I, or Grade of A or higher in Algebra I

MATHEMATICS ELECTIVE COURSES

TRIGONOMETRY

EDGENUITY Trigonometry ED333 1 CREDIT

In this one-semester course, students use their geometry and algebra skills to begin their study of trigonometry. Students will be required to express understanding using qualitative, quantitative, algebraic, and graphing skills. This course begins with a quick overview of right-triangle relationships before introducing trigonometric functions and their applications. Students explore angles and radian measures, circular trigonometry, and the unit circle. Students extend their understanding to trigonometric graphs, including the effects of translations and the inverses of trigonometric functions. This leads to the laws of sines and cosines, followed by an in-depth exploration of trigonometric identities and applications. This course ends with an introduction to the polar coordinate system, complex numbers, and DeMoivre's theorem. **RECOMMENDATION**: Grade of C or higher in Geometry; or a grade of C or higher in Algebra II

PA-PRECALCULUS H

EDGENUITY PRECALCULUS A ED350A .5 credit

EDGENUITY PRECALCULUS B ED350B .5 credit

With an emphasis on function families and their representations, Precalculus is a thoughtful introduction to advanced studies leading to calculus. The course briefly reviews alinear equations, inequalities, and systems and moves purposefully into the study of functions. Students then discover the nature of graphs and deepen their understanding of polynomial, rational, exponential, and logarithmic functions. Scaffolding rigorous content with clear instruction, the course leads students through an advanced study of trigonometric functions, matrics, and vectors. The course concludes with a short study of probability and statistics. **RECOMMENDATION**: Grade of B or higher in Honors Geometry; Grade of A Geometry; B in Honors Algebra II or an A Algebra II.

PA STATISTICS AND PROBABILITY

EDGENUITY PA Stats and Prob. A **ED TBD** **.5 credit**

EDGENUITY PA Stats and Prob. B **ED TBD** **.5 credit**

This fourth-year high school math provides a comprehensive introduction to data analysis and statistics. Students review familiar data displays before diving into an in-depth study of the normal curve. They study and apply simple linear regression and explore sampling and experimentation. Students review probability concepts and begin a study of random variables. Topics include sampling distributions, estimating and testing claims about proportions and means, and inferences and confidence intervals. **RECOMMENDATION**: Grade of B or higher in Trigonometry; Grade of C or higher in Honors Trigonometry: Grade of C or higher in Honors Pre-Calculus; Grade of B or higher in Honors Geometry for Juniors.

AP CALCULUS AB

EDGENUITY AP Calculus AB **ED352** **1 credit**

This college-level, yearlong course prepares students for the Advanced Placement (AP) Calculus AB Exam. Major topics of students in this full-year course include a review of precalculus, limits, derivatives, definite integrals, mathematical modeling of differential equations, and the applications of these concepts. Emphasis is placed on the use of technology to solve problems and draw conclusions. The course utilizes a multi-representative approach to calculus with concepts and problems expressed numerically, graphically, verbally, and analytically. **RECOMMENDATION**: Honors Pre-Calculus is a required prerequisite for AP Calculus; grade of B or higher in Honors Pre-Calculus is recommended. AP level courses require a student to examine the course pacing in order to assure students have fulfilled the course material in expectation of the AP Exam date.

AP STATISTICS

EDGENUITY AP Statistics **ED353** **1 credit**

This yearlong, college-level course is designed to prepare students for the Advanced Placement (AP) Statistics exam. Major topics include exploring one- and two-variable data, sampling, experimentation, probability, sampling distributions, and statistical inference. These topics are organized into three big ideas: variation and distribution; patterns and uncertainty; data-based predictions, decisions, and conclusions. **RECOMMENDATION**: Grade of B or higher in Trigonometry; Grade of C or higher in Honors Trigonometry: Grade of C or higher in Honors Pre-Calculus; Grade of B or higher in Honors Geometry for juniors taking AP Placement Statistics. AP level courses require a student to examine the course pacing in order to assure students have fulfilled the course material in expectation of the AP Exam date.

SCIENCE CORE COURSES

EARTH SCIENCE

EDGENUITY EARTH SCIENCE **ED434** **1 credit**

Students enrolled in this dynamic course explore the scope of Earth sciences, covering everything from basic structure and rock formation to the incredible and volatile forces that have shaped and changed our planet. As climate change and energy conservation become increasingly prevalent in the national discourse, it will be important for students to understand the concepts and causes of our changing Earth. Earth Science is a two-semester course that provides a solid foundation for understanding the physical characteristics that make the planet Earth unique and examines how these characteristics differ among the planets of our solar system.

BIOLOGY

EDGENUITY BIOLOGY A **ED402A** **.5 credit**

EDGENUITY BIOLOGY B **ED402B** **.5 credit**

Note: Students taking this course will take the PA Biology Keystone exam in-person in the spring. This full-year course engages students in the study of life and living organisms and examines biology and biochemistry in the real world. It encompasses traditional concepts in biology and encourages exploration of new discoveries in this field of science. The components include biochemistry, cell biology, cell processes, heredity and reproduction, the evolution of life, taxonomy, human body systems, and ecology.

BIOLOGY H

EDGENUITY BIOLOGY H A	**ED403A**	**.5 credit**
EDGENUITY BIOLOGY H B	**ED403B**	**.5 credit**

Note: Students taking this course will take the PA Biology Keystone exam in-person in the spring. This two-semester course engages students in the study of life and living organisms and examines biology and biochemistry in the real world. This is a yearlong course that encompasses traditional concepts in biology and encourages exploration of new discoveries in this field of science. The Components include biochemistry, cell biology, cell processes, heredity and reproduction, the evolution of life, taxonomy, human body systems, and ecology. This course includes both hands-on wet labs and virtual lab options. **RECOMMENDATION**: Grade of 90% or higher in Grade 8 Science with current teacher, counselor, or principal recommendation.

CHEMISTRY

EDGENUITY CHEMISTRY A	**ED410A**	**.5 credit**
EDGENUITY CHEMISTRY B	**ED410B**	**.5 credit**

This full-year course engages students in the study of the composition, properties, changes, and interactions of matter. The course covers the basic concepts of chemistry. The course includes the composition and properties of matter, changes and interactions of matter, organic chemistry, and nuclear chemistry. **RECOMMENDATION**: Successful completion of Algebra 1 and Biology.

CHEMISTRY H

EDGENUITY CHEMISTRY H A	**ED412A**	**.5 credit**
EDGENUITY CHEMISTRY H B	**ED412B**	**.5 credit**

This rigorous, full-year course engages students in the study of the composition, properties, changes, and interactions of matter. The course covers the basic concepts of chemistry and includes eighteen virtual laboratory experiments that encourage higher-order thinking applications, with wet lab options if preferred. The components of this course include chemistry and its methods, the composition and properties of matter, changes and interactions of matter, factors affecting the interactions of matter, electrochemistry, organic chemistry, biochemistry, nuclear chemistry, mathematical applications, and applications of chemistry in the real world. **RECOMMENDATION**: Completion of Honors Biology with an 80% or higher OR Biology with a 90% or higher or 85% with teacher approval. Completion of Honors Geometry with 80% OR Algebra 1 with a grade of 90% or higher.

SCIENCE ELECTIVE COURSES

FORENSIC SCIENCE A: Secrets of the Dead

EDGENUITY Forensic Science A ED445A .5 credit

Forensics: Using Science to Solve a Mystery is a semester-long high school course that overviews modern-day forensic science careers at work using science concepts to collect and analyze evidence. This course focuses on some of the techniques and practices used by forensic scientists during a crime scene investigation. Starting with how clues and data are recorded and preserved, the student will follow evidence trails until the CSI goes to trial, examining how various elements of the crime scene are analyzed and processed. Students who take this class will become equipped to make more informed career choices regarding the forensic, computer science and medical science fields. At the same time, students will survey the history and scope of present-day forensic science work. **RECOMMENDATION**: Completion of Biology and Chemistry.

FORENSIC SCIENCE B: USING SCIENCE TO SOLVE A MYSTERY

EDGENUITY Forensic Science B ED445B .5 credit

Forensics: Using Science to Solve a Mystery is a semester-long high school course that overviews modern-day forensic science careers at work using science concepts to collect and analyze evidence and link evidence to the crime and suspects in order to present admissible evidence in courts of law. Projects in this course include simulated crime-scene investigation, actual DNA separation, development of a cybersecurity plan, and the identification of specific forensic skills used during the course of a very large murder case. The focus of this course is to assist students in making career choices. The overview of careers includes job descriptions and availability, educational and training requirements, licensing and certification, and typical annual salaries. Students who take this class will become equipped to make more informed career choices regarding the forensic, computer science and medical science fields. At the same time, students will survey the history and scope of present-day forensic science work. **RECOMMENDATION**: Completion of Biology and Chemistry.

PHYSICS

EDGENUITY Physics A **ED420A** **.5 credit**
EDGENUITY Physics B **ED420B** **.5 credit**

This full-year course acquaints students with topics in classical and modern physics. The course emphasizes conceptual understanding of basic physics principles, including Newtonian mechanics, energy, thermodynamics, waves, electricity, magnetism, and nuclear and modern physics. Throughout the course, students solve mathematical problems, reason abstractly, and learn to think critically about the physical world. The course also includes interactive virtual labs and hands-on lab options, in which students ask questions and create hypotheses. **RECOMMENDATION**: Completion of Chemistry and completion of Algebra I and II.

AP ENVIRONMENTAL SCIENCE

EDGENUITY AP Environ. Science **ED454** **1 credit**

Environmental science is a laboratory- and field-based course designed to provide students with the content and skills needed to understand the various interrelationships in the natural world, to identify and analyze environmental problems, and to propose and examine solutions to these problems. Since this is an online course, the laboratory- and field-based activities will be completed virtually and via experiments that students can easily perform at home with common materials. The course is intended to be the equivalent of a one-semester, college-level ecology course, which is taught over a full year in high school. The course encompasses human population dynamics, interrelationships in nature, energy flow, resources, environmental quality, human impact on environmental systems, and environmental law. DEPARTMENT RECOMMENDATIONS: This course is limited to Juniors and Seniors. Successful completion of Honors Biology with an 80% or higher, OR Biology with an 85% or higher. Completion of Honors Chemistry with an 80% or higher, OR Chemistry with an 85% or higher. Completion of Algebra I and Algebra II with a 70% or higher. AP level courses require a student to examine the course pacing in order to assure students have fulfilled the course material in expectation of the AP Exam date.

ANATOMY

EDGENUITY Anatomy **ED440** **.5 credit**

In this course, students will explore the anatomy or structure of the human body. In addition to learning anatomical terminology, students will study the main systems of the body—including skeletal, muscular, circulatory, respiratory, digestive, reproductive, and nervous systems. In addition to identifying the bones, muscles, and organs, students will study the structure of cells and tissues within the body. **STUDENTS MUST COMPLETE BIOLOGY AND CHEMISTRY PRIOR TO ENROLLING IN THIS COURSE**

PHYSIOLOGY

EDGENUITY Physiology **ED441** **.5 credit**

In this course, students will examine the functions of the body's biological systems—including skeletal, muscular, circulatory, respiratory, digestive, endocrine, nervous, and reproductive systems. In addition to understanding the function of each system, students will learn the function of cells, blood, and sensory organs, as well as study DNA, immunity, and metabolic systems. This course is recommended for grades 11–12. **STUDENT MUST COMPLETE BIOLOGY, CHEMISTRY, AND ANATOMY PRIOR TO ENROLLING IN THIS COURSE**

ASTRONOMY 1A EXPLORING THE UNIVERSE

EDGENUITY Astronomy 1A **ED416A** **.5 credit**

Why do stars twinkle? Is it possible to fall into a black hole? Will the sun ever stop shining? Since the first glimpse of the night sky, humans have been fascinated with the stars, planets, and universe that surrounds us. This course will introduce students to the study of astronomy, including its history and development, basic scientific laws of motion and gravity, the concepts of modern astronomy, and the methods used by astronomers to learn more about the universe.

ASTRONOMY 1B EXPLORING THE UNIVERSE

EDGENUITY Astronomy 1B **ED416B** **.5 credit**

This course will continue the study of astronomy, its history, scientific laws of motion and gravity, modern astronomy, and methods used by astronomers to learn more about the universe. Additional topics include the solar system, the Milky Way and other galaxies, and the sun and stars. Using online tools, students will examine the life cycle of stars, the properties of planets, and the exploration of space. (Students will need to be enrolled separately in each semester course. MUST COMPLETE Astronomy 1A prior to Astronomy 1B.)

PHYSICAL SCIENCE

EDGENUITY Physical Science A **ED451A** **.5 credit**

EDGENUITY Physical Science B **ED451B** **.5 credit**

This full-year course focuses on basic concepts in chemistry and physics and encourages exploration of new discoveries in the field of physical science. The course includes an overview of scientific principles and procedures and has students examine the chemical building blocks of our physical world and the composition of matter. Additionally, students explore the properties that affect motion, forces, and energy on Earth. Building on these concepts, the course covers the properties of electricity and magnetism and the effects of these phenomena. As students refine and expand their understanding of physical science, they will apply their knowledge to complete interactive virtual labs that require them to ask questions and create hypotheses. Hands-on wet lab options are also available.

SOCIAL STUDIES CORE COURSES

PA -GEOGRAPHY

EDGENUITY Geography A	**ED 514A**	**.5 credit**
EDGENUITY Geography B	**ED 514B**	**.5 credit**

In this 9th grade History course, students will learn foundational world history concepts and skills as they examine the Renaissance, Enlightenment and the Scientific Revolution, Imperialism, International Conflict, and Globalization/Modern Issues. Focus skills include analyzing secondary and primary sources, interpreting charts, graphs, and maps, and writing short responses and essays.

PA-WORLD HISTORY: 1450 TO Present

EDGENUITY World History A	**ED501A**	**.5 credit**
EDGENUITY World History B	**ED501B**	**.5 credit**

This 10th grade History course stretches from the Era of Exploration through the Industrial Revolution, leading students through a careful examination of the defining moments that shaped the nation of today. Students begin by exploring the colonization of the New World and examining the foundations of colonial society. As they study the early history of the United States, students will learn critical-thinking skills by examining the constitutional foundations of the U.S. government. Recurring themes such as territorial expansion, the rise of industrialization, and the significance of slavery will be examined in the context of how these issues contributed to the Civil War and Reconstruction.

U.S. HISTORY II

EDGENUITY US History 2 A **ED521A** **.5 credit**
EDGENUITY US History 2 B **ED521B** **.5 credit**

U.S. History II is a yearlong 11th grade course that examines the major events and turning points of U.S. history from the Industrial Revolution through the modern age. The course leads students toward a clearer understanding of the patterns, processes, and people that have shaped U.S. history. As students progress through each era of modern U.S. history, they will study the impact of dynamic leadership and economic and political change on our country's rise to global prominence. Students will also examine the influence of social and political movements on societal change and the importance of modern cultural and political developments. Recurring themes lead students to draw connections between the past and the present, between cultures, and among multiple perspectives.

U.S. HISTORY II H

EDGENUITY Hon US History 2 A **ED522A** **.5 credit**
EDGENUITY Hon US History 2 B **ED522B** **.5 credit**

In this 11th grade Honors History course, students will explore five pivotal eras in United States history: Reconstruction, Progressivism and Imperialism, World Wars, Movements for Civil Rights, and the Modern Era. They will gain a deeper understanding of how these themes have shaped the nation's past and continue to influence its present. **RECOMMENDATION**: Grade of A in United States History I, or C or better in Honors United States History I, or Grade A in PA World History 11450 to Present..

PA-CIVICS & GOVERNMENT

EDGENUITY Civics and Gov **ED530** **.5 credits**

Civics and Citizenship is a one-semester 12th grade history course. The course investigates events, concepts, and issues with a 360-degree view allowing multiple perspectives from various cultures and institutions to inform students' learning. The course is divided into five units in which students will explore their civic roles, rights, and responsibilities; analyze the development of democracy in the United States; study the purposes and principles of the Constitution; investigate the role of power in decision-making; and discover ways to influence the government. The course provides opportunities to actively engage with the content through interactives, assignments, readings, short writings, projects, and discourse. **TAKEN WITH PA-ECONOMICS**

PA-ECONOMICS

EDGENUITY PA Economics ED531 .5 credits

Available as a semester course for 12th grade students, this course invites students to broaden their understanding of how economic concepts apply to their everyday lives--including microeconomic and macroeconomic theory and the characteristics of mixed-market economies, the role of government in a free-enterprise system and the global economy, and personal finance strategies. Throughout the course, students apply critical-thinking skills while making practical economic choices. Students also master literacy skills through rigorous reading and writing activities. Students analyze data displays and write routinely and responsively in tasks and assignments that are based on scenarios, texts, activities, and examples. In more extensive, process-based writing lessons, students write full-length essays in informative and argumentative formats. **TAKEN WITH PA CIVICS & GOV**

SOCIAL STUDIES ELECTIVE COURSES

AP U.S. HISTORY

EDGENUITY AP US History **ED534** **1 credit**

This course surveys the history of the United States from the settlement of the New World to modern times and prepares students for the AP United States History exam. The course emphasizes themes such as national identity, economic transformation, immigration, politics, international relations, geography, and social and cultural change. Students learn to assess historical materials, weigh evidence and interpretations presented in historical scholarship, and analyze and express historical understandings in writing. This course may be used to fulfill 11th grade History. AP level courses require a student to examine the course pacing in order to assure students have fulfilled the course material in expectation of the AP Exam date.

AP HUMAN GEOGRAPHY

EDGENUITY AP Human Geo A **ED550A** **.5 credit**

EDGENUITY AP Human Geo B **ED550B** **.5 credit**

Human Geography is a college-level course designed to prepare students for the AP Human Geography exam. The goal of the course is to provide students with a geographic perspective through which to view the world. Through a combination of direct instruction, documentary videos, and online readings, students will explore geographic concepts, theories, and models; human-environment interactions; and interactions among human systems. Topics covered include population, culture, political organization of space, agricultural land use, industrialization, and urban land use. Students will demonstrate their understanding and acquisition of skills through essays, document-based questions, student collaborative activities, and practice AP exams. This course may be used to fulfill 9th grade History. AP level courses require a student to examine the course pacing in order to assure students have fulfilled the course material in expectation of the AP Exam date.

ANTHROPOLOGY 1: UNCOVERING HUMAN MYSTERIES

EDGENUITY Anthropology 1 ED538 .5 credit

The aim of anthropology is to use a broad approach to gain an understanding of our past, present and future, and in addition address the problems humans face in biological, social and cultural life. This course will explore the evolution, similarity and diversity of humankind through time. It will look at how we have evolved from a biologically and culturally weak species to one that has the ability to cause catastrophic change. Online video journeys to different areas of the anthropological world are just one of the powerful learning tools utilized in this course.

ANTHROPOLOGY 2: MORE HUMAN MYSTERIES UNCOVERED

EDGENUITY Anthropology 2 ED539 .5 credit

Anthropology has helped us better understand cultures around the world and through different time periods. This course continues the study of global cultures and the ways that humans have made sense of their world. We will examine some of the ways that cultures have understood and given meaning to different stages of life and death. The course will also examine the creation of art within cultures and examine how cultures evolve and change over time. Finally, we will apply the concepts and insights learned from the study of anthropology to several cultures found in the world today. (Students will need to be enrolled separately in each semester course. MUST COMPLETE Anthropology 1 prior to Anthropology 2.)

LAW & ORDER: INTRODUCTION TO LEGAL STUDIES

EDGENUITY Law & Order ED543A .5 credit

Every society has laws that its citizens must follow. From traffic laws to regulations on how the government operates, laws help provide society with order and structure. Our lives are guided and regulated by our society's legal expectations. Consumer laws help protect us from faulty goods; criminal laws help to protect society from individuals who harm others; and family law handles the arrangements and issues that arise in areas like divorce and child custody. This course focuses on the creation and application of laws in various areas of society. By understanding the workings of our court system, as well as how laws are actually carried out, we become more informed and responsible citizens in our communities and of our nation.

PERSONAL PSYCHOLOGY 1

EDGENUITY Psychology A **ED542A** **.5 credit**

In this course, you'll explore the broad scope of psychology from biology's impact on our psychological makeup to society's impact on who we become. You'll look closely at the changing and sometimes conflicting thoughts of researchers and scientists and how the field of psychology has changed. You'll also explore clinical psychology and how people find treatment. In the second half of this course, you'll explore the following questions: Why do you sometimes remember complex things but forget all of a sudden where you left your shoes? Why is your personality similar or different from your siblings? Why do some things motivate you more than others? Discover how you learn and remember, the impact of stress on your emotions and mental health, and what influences your personality and emotions.

PERSONAL PSYCHOLOGY 2

EDGENUITY Psychology B **ED542B** **.5 credit**

In this course, you'll explore the broad scope of psychology from biology's impact on our psychological makeup to society's impact on who we become. You'll look closely at the changing and sometimes conflicting thoughts of researchers and scientists and how the field of psychology has changed. You'll also explore clinical psychology and how people find treatment. In the second half of this course, you'll explore the following questions: Why do you sometimes remember complex things but forget all of a sudden where you left your shoes? Why is your personality similar or different from your siblings? Why do some things motivate you more than others? Discover how you learn and remember, the impact of stress on your emotions and mental health, and what influences your personality and emotions. (Students will need to be enrolled separately in each semester course. MUST COMPLETE Personal Psychology 1 prior to Personal Psychology 2.)

SOCIOLOGY

EDGENUITY Sociology **ED541** **1 credit**

Human beings are complex creatures, and when we interact and begin to form relationships and societies, things become even more complicated. Are we more likely to act differently in a group than we will when we're alone? How do we learn how to be "human"? Examine answers to these questions and many more as you explore culture, group behavior, and societal institutions and how they affect human behavior. In the second half of the course, you will discover how social institutions like families, religion, government, and education shape our world and how collective behavior and social movements can create change. Investigate how our lives are shaped by entertainment, social institutions, and social change.

HEALTH AND PHYSICAL EDUCATION COURSES

FOUNDATIONS OF PERSONAL WELLNESS A

EDGENUITY Found of Pers Well A ED932A .5 credit

Exploring a combination of health and fitness concepts, this comprehensive and cohesive course explores all aspects of wellness. Offered as a two-semester course designed for high school students, coursework uses pedagogical planning to ensure that students explore fitness and physical health and encourages students to learn about the nature of social interactions and how to plan a healthy lifestyle. NOTE: This course contains content from both Healthy Living and Lifetime Fitness; to avoid duplication, students should take either those one-semester courses or this full-year course. This course is recommended for grades 11–12.

FOUNDATIONS OF PERSONAL WELLNESS B

EDGENUITY Found of Pers Well B ED932B .5 credit

Exploring a combination of health and fitness concepts, this comprehensive and cohesive course explores all aspects of wellness. Offered as a two-semester course designed for high school students, coursework uses pedagogical planning to ensure that students explore fitness and physical health and encourages students to learn about the nature of social interactions and how to plan a healthy lifestyle. NOTE: This course contains content from both Healthy Living and Lifetime Fitness; to avoid duplication, students should take either those one-semester courses or this full-year course. This course is recommended for grades 11–12. (Students will need to be enrolled separately in each semester course. MUST COMPLETE Foundations of Personal Wellness A prior to Foundations of Personal Wellness 2.)

LIFETIME FITNESS SEMESTER

EDGENUITY Lifetime Fitness ED922 .5 credit

9th grade students will be exploring fitness topics such as safe exercise and injury prevention, nutrition and weight management, consumer product evaluation, and stress management. This course equips high school students with the skills they need to achieve lifetime fitness. Lifetime Fitness encourages students to assess individual fitness levels according to the five components of physical fitness: cardiovascular health, muscular strength, muscular endurance, flexibility, and body composition.

LIFETIME FITNESS FULL YEAR

EDGENUITY Lifetime Fitness B ED9221 1 credit

This is a full year course that will explore topics such as safe exercise and injury prevention, nutrition and weight management, consumer product evaluation, and stress management. This course equips high school students with the skills they need to achieve lifetime fitness. Lifetime Fitness encourages students to assess individual fitness levels according to the five components of physical fitness: cardiovascular health, muscular strength, muscular endurance, flexibility, and body composition. Personal fitness assessments encourage students to design a fitness program to meet their individual fitness goals.

HEALTHY LIVING

EDGENUITY Healthy Living A ED960 .5 credit

Encouraging students to make responsible, respectful, informed, and capable decisions about topics that affect the well-being of themselves and others, this high school course provides students with comprehensive information they can use to develop healthy attitudes and behavior patterns. Available as either a semester or year-long course, this informative and engaging course encourages students to recognize that they have the power to choose healthy behaviors to reduce risks. . This course is recommended for grades 11–12.

FINE ARTS COURSES

INTRODUCTION TO ART A

EDGENUITY Intro to Art **ED801** **.5 credit**

Covering art appreciation and the beginning of art history, this course encourages students to gain an understanding and appreciation of art in their everyday lives. Presented in an engaging format, Intro to Art provides an overview of many introductory themes: the definition of art, the cultural purpose of art, visual elements of art, terminology and principles of design, and two- and three-dimensional media and techniques. Tracing the history of art, high school students enrolled in the course also explore the following time periods and places: prehistoric art, art in ancient civilizations, and world art before 1400.

ART HISTORY I

EDGENUITY Art History A **ED802A** **.5 credit**

EDGENUITY Art History B **ED802B** **.5 credit**

Introducing art within historical, social, geographical, political, and religious contexts for understanding art and architecture through the ages, with lessons organized by chronological and historical order and world regions. Students cover topics including early medieval and Romanesque art; art in the twelfth, thirteenth, and fourteenth centuries; fifteenth- century art in Europe; sixteenth-century art in Italy; the master artists; High Renaissance and baroque art; world art, which includes the art of Asia, Africa, the Americas, and the Pacific cultures; eighteenth- and nineteenth-century art in Europe and the Americas; and modern art in Europe and the Americas.

MUSIC APPRECIATION: THE ENJOYMENT OF LISTENING

EDGENUITY Music Appreciation **ED855** **.5 credit**

Music is part of everyday lives and reflects the spirit of our human condition. To know and understand music, we distinguish and identify cultures on local and global levels. This course will provide students with an aesthetic and historical perspective of music, covering a variety of styles and developments from the Middle Ages through the Twentieth First Century. Students will acquire basic knowledge and listening skills, making future music experiences more informed and satisfying.

BUSINESS COURSES

INTRODUCTION TO BUSINESS A

EDGENUITY Intro to Bus A **ED610A** **.5 credits**

In this two-semester introductory course, students learn the principles of business. This course covers an introduction to costs and profit, and different business types. Students are introduced to techniques for managing money, personally and as a business, taxes, credit and financing.

INTRODUCTION TO BUSINESS B

EDGENUITY Intro to Bus B **ED610B** **.5 credits**

In this two-semester second course, students learn using real-world examples—learning what it takes to plan and launch a product or service in today's fast-paced business environment. This course covers economics, costs and profit, and business types. Students are introduced to managing money, taxes and credit; financing a business; how a business relates to society both locally and globally; how to identify a business opportunity; and techniques for planning, executing, and marketing a business to respond to that opportunity. (Students will need to be enrolled separately in each semester course. MUST COMPLETE Introduction to Business A prior to Introduction to Business B.)

FINANCIAL MATH

EDGENUITY Financial Math A **ED710A** **.5 credit**

EDGENUITY Financial Math B **ED710B** **.5 credit**

Connecting practical and mathematical concepts to personal and business settings, this course offers informative and highly useful lessons that challenge students to gain a deeper understanding of financial math. Relevant, project-based learning activities cover stimulating topics such as personal financial planning, budgeting and wise spending, banking, paying taxes, the importance of insurance, long-term investments, buying a house, consumer loans, economic principles, traveling abroad, starting a business, and analyzing business data. Offered as a year-long course for high school students, this course encourages mastery of math skill sets, including percentages, proportions, data analysis, linear systems, and exponential functions.

PERSONAL FINANCE

EDGENUITY Personal Finance ED605 .5 credit

This introductory finance course teaches what it takes to understand the world of finance and make informed decisions about managing finances. Students learn about economics and setting and researching financial goals. In this one-semester course, students learn how to open bank accounts, invest money, apply for loans, apply for insurance, explore careers, manage business finances, make decisions about major purchases, and more. Students will be inspired by stories from finance professionals and individuals who have reached their financial goals.

SMALL BUSINESS ENTREPRENEURSHIP

EDGENUITY Small Bus. Entre. A ED660A .5 credits

EDGENUITY Small Bus. Entre. A ED660B .5 credits

This full-year course is designed to provide the skills needed to effectively organize, develop, create, manage and own a business, while exposing students to the challenges, problems, and issues faced by entrepreneurs. Throughout this course, students explore what kinds of opportunities exist for small business entrepreneurs and become aware of the necessary skills for running a business. Students become familiar with the traits and characteristics that are found in successful entrepreneurs, and see how research, planning, operations, and regulations can affect small businesses. Students also learn how to develop plans for having effective business management, financing and marketing strategies.

COMPUTER SCIENCE COURSES

INTRODUCTION TO INFORMATION TECHNOLOGY

EDGENUITY Intro To Info Tech. A ED607 .5 credit

This course introduces students to the essential technical and professional skills required in the field of Information technology (IT). Through hands-on projects and written assignments, students gain an understanding of the operation of computers, computer networks, Internet fundamentals, programming, and computer support. Students learn about the social impact of technological change and the ethical issues related to technology. Throughout the course, instructional activities emphasize safety, professionalism, accountability, and efficiency for workers within the field of IT.

FAMILY AND CONSUMER SCIENCE COURSES

NUTRITION AND WELLNESS

EDGENUITY Nutrition and Wlns ED711 .5 credit

This course takes students through a comprehensive study of nutritional principles and guidelines. Students learn about worldwide views of nutrition, essential nutrient requirements, physiological processes, food labeling, weight management, healthy food choices, fitness, diet-related diseases and disorders, food handling, healthy cooking, nutrition for different populations, and more. Students gain important knowledge and skills to aid them in attaining and maintaining a healthy and nutritious lifestyle.

WORLD LANGUAGE COURSES

FRENCH I

EDGENUITY French 1A	**ED226A**	**.5 credit**
EDGENUITY French 1B	**ED226B**	**.5 credit**

Students in high school begin their introduction to French with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major French-speaking areas in Europe and across the globe.

FRENCH II

EDGENUITY French IIA	**ED227A**	**.5 credit**
EDGENUITY French IIB	**ED227B**	**.5 credit**

Students continue their introduction to French in this second-year language course with review of fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering French-speaking areas across the globe, and assessments.

GERMAN I

EDGENUITY German 1A	**ED224A**	**.5 credit**
EDGENUITY German 1B	**ED224B**	**.5 credit**

High school students begin their introduction to German with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and cultural presentations covering major German- speaking areas in Europe.

GERMAN II

EDGENUITY German 2A	**ED225A**	**.5 credit**
EDGENUITY German 2B	**ED225B**	**.5 credit**

Students review fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and cultural presentations covering major German-speaking areas in Europe.

SPANISH I

EDGENUITY Spanish 1A	**ED221A**	**.5 credit**
EDGENUITY Spanish 1B	**ED221B**	**.5 credit**

Students begin their introduction to high school Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas.

SPANISH II

EDGENUITY Spanish 2A	**ED222A**	**.5 credit**
EDGENUITY Spanish 2B	**ED222B**	**.5 credit**

High school students continue listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major Spanish-speaking areas in Europe and the Americas, and assessments.

SPANISH III

EDGENUITY Spanish 3A **ED223A** **.5 credit**
EDGENUITY Spanish 3B **ED223B** **.5 credit**

In this expanding engagement with Spanish, high school students deepen their focus. Students read significant works of literature in Spanish and respond orally or in writing to these works. Each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations.

AMERICAN SIGN LANGUAGE A

EDGENUITY Sign Language 1A **ED250A** **.5 credit**

This beginning of this full-year course will introduce you to vocabulary and simple sentences, so that you can start communicating right away. Importantly, you will explore Deaf culture: social beliefs, traditions, history, values and communities influenced by deafness.

AMERICAN SIGN LANGUAGE A

EDGENUITY Sign Language 1B **ED250B** **.5 credit**

This ending of this course will introduce you to more of this language and its grammatical structures. (Students will need to be enrolled separately in each semester course. MUST COMPLETE American Sign Language A prior to American Sign Language B.)

CHINESE I

EDGENUITY Chinese IA **ED240A** **.5 credit**
EDGENUITY Chinese IB **ED240B** **.5 credit**

High school students begin their introduction to Chinese with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Chinese-speaking countries. **Junior and Seniors Only**

CHINESE II

EDGENUITY Chinese IIA	**ED241A**	**.5 credit**
EDGENUITY Chinese IIB	**ED241B**	**.5 credit**

Students in high school continue their introduction to Chinese in this second-year course with review of fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Chinese-speaking countries. **MUST COMPLETE CHINESE 1. Seniors Only**

BAS Proposal

PROPRIETARY AND CONFIDENTIAL PROPERTY OF TRANE

DISTRIBUTION TO OTHER THAN THE NAMED RECIPIENT IS PROHIBITED

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Prepared For:
DANIEL BOONE ASD

Date: *November 3, 2026*

Opportunity Number: *8703583*

Job Name*:*
Daniel Boone Annex Bldg HS-CHW MP580 ATC

Delivery Terms:
Freight Allowed and Prepaid - F.O.B. Factory

Payment Terms:
Net 30 Days

Trane is pleased to provide the following proposal for your consideration.

Description of Work: Trane to provide, program, and check-out replacement controllers for the existing chilled water and hot water plant MP581s.

Miscellaneous Included:

- Project Management
- Engineered Control Drawigns
- Graphics updates
- Custom Programming & ATC Check-Out
- System overview for owner

Controls Scope of Work

- **Existing Tracer Ensemble Web Access**
  - User shall have the ability to view the system graphics, change setpoints, perform overrides, view schedules, change schedules, view alarms, acknowledge alarms, view trend information as well as print, save & e-mail trend information.
- **Existing Trane Synchrony SC+**
  - Assumed in good working order and will remain in place
- **Graphics:**
  - Trane to utilize existing plant graphics

Item # 1 – Chilled Water Plant Controller

- **Chilled Water System Controller**
  - The following existing Items will be removed by Trane:
    - ❖ Existing resign enclosure
    - ❖ Existing Trane MP581 controller and associated Expansion EX2 I/O Controller(s)
    - ❖ (2) Failed Dwyer Paddle Water Flow Meters
  - The following items will be provided, installed and wired by Trane:
    - ❖ (1) New Trane Enclosure w/ 7" LCD Display
    - ❖ (1) New Trane Trane BACnet Symbio Controller w/ Expansion XM I/O Controller
    - ❖ (2) New Onicon Water Flow Meters

Clarifications:

- o Existing power to remain and be utilized at panel locations

Exclusions:

- o Repair or replacement of any DDC Sensors/Parts not listed above
- o Repair or replacement of any existing equipment
- o Testing and Balancing
- o Any required new safety shutdown wiring
- o 120VAC will be provided by electrical contractor and is not provided as part of this proposal
- o Integration to any existing system is not detailed within proposal is not included
- o Premium time
- o Temporary heating, cooling, ventilation
- o Permits and inspection fees

PRICING SECTION:

ITEM # 1 – CHW Controller Price *(Including All Taxes)* .....……..$ 26,928.00

Thank you for giving us this opportunity. If you have any questions or concerns, please do not hesitate to reach out.

Sincerely,

Andrew Odell
Keith Dougherty
Trane U.S. Inc.
Mid-Atlantic Region, Commercial HVAC Americas
5001 Louise Drive
Suite 301
Mechanicsburg PA 17055
United States

Acceptance of this proposal by buyer is expressly conditioned upon each of the terms, provisions and conditions set forth under Trane's Terms and Conditions of Sale.

This proposal valid 30 days past:

Trane

_____
Purchaser - Company Name

_____
Signature

Name: _____

Title: _____

Date: _____

_____
Signature

Name _____

Title: _____

Tax Status:	Taxable ☐ Exempt ☐	IF EXEMPT PLEASE SUBMIT COMPLETED TAX EXEMPTION CERTIFICATE WITH YOUR SIGNED PROPOSAL OR WITH YOUR PURCHASING DOCUMENTS, KEEP YOUR ORIGINAL ON FILE IN THE OFFICE. YOU WILL BE CHARGED TAX IF A VALID EXEMPTION CERTIFICATE IS NOT ON FILE BEFORE EQUIPMENT, PARTS OR SERVICES ARE PROVIDED. SEE WWW.TAXSITES.COM/STATE-LINKS.HTML FOR TAX FORMS.

This proposal is subject to your acceptance of the attached Trane terms and conditions.

TERMS AND CONDITIONS – COMMERCIAL TURNKEY INSTALLATION – Trane Equipment and Related Work

"Trane" or "Company" shall mean Trane U.S. Inc. for Work performed in the United States or Trane Canada ULC for Work performed in Canada.

1. Acceptance; Agreement. These terms and conditions are an integral part of Company's offer and form the basis of any agreement (the "Agreement") resulting from Company's proposal (the "Proposal") for the commercial goods and/or services described (the "Work"). COMPANY'S TERMS AND CONDITIONS AND EQUIPMENT PRICES ARE SUBJECT TO PERIODIC CHANGE OR AMENDMENT. The Proposal is subject to acceptance in writing by the party to whom this offer is made or an authorized agent ("Customer") delivered to Company within 30 days from the date of the Proposal. Prices in the Proposal are subject to change at any time upon notice to Customer. If Customer accepts the Proposal by placing an order, without the addition of any other terms and conditions of sale or any other modification, Customer's order shall be deemed acceptance of the Proposal subject to Company's terms and conditions, and the final Proposal price ("Proposal Price"). If Customer's order is expressly conditioned upon Company's acceptance or assent to terms and/or conditions other than those expressed herein, return of such order by Company with Company's terms and conditions attached or referenced serves as Company's notice of objection to Customer's terms and as Company's counteroffer to provide Work in accordance with the Proposal and the Company terms and conditions. If Customer does not reject or object in writing to Company within 10 days, Company's counteroffer will be deemed accepted. Notwithstanding anything to the contrary herein, Customer's acceptance of the Work by Company will in any event constitute an acceptance by Customer of Company's terms and conditions. This Agreement is subject to credit approval by Company. Upon disapproval of credit, Company may delay or suspend performance or, at its option, renegotiate prices and/or terms and conditions with Customer. If Company and Customer are unable to agree on such revisions, this Agreement shall be cancelled without any liability, other than Customer's obligation to pay for Work rendered by Company to the date of cancellation.

2. Connected Services. and Company Provided Telematics Connectivity In addition to these terms and conditions, the Connected Services Terms of Service ("Connected Services Terms"), available at https://www.trane.com/TraneConnectedServicesTerms, as updated from time to time, are incorporated herein by reference and shall apply to the extent that Company provides Customer with Connected Services, as defined in the Connected Services Terms. Certain Equipment may include, or be installed together with, Company provided Telematics Devices that provide remote connectivity and the Connected Services Terms set forth the terms and conditions applicable to the Telematics Devices and connectivity, including opt-out provisions. If Customer provides or transfers the Equipment to another party, Customer shall ensure that such party is informed in writing of the presence of any Telematics Devices and the applicability of the Connected Services Terms.

3. Title and Risk of Loss. All Equipment sales with destinations to Canada or the U.S. shall be made as follows: FOB Company's U.S. manufacturing facility or warehouse (full freight allowed). Title and risk of loss or damage to Equipment will pass to Customer upon tender of delivery of such to carrier at Company's U.S. manufacturing facility or warehouse.

4. Pricing and Taxes.

a. Unless otherwise noted, the price in the Proposal includes standard ground transportation and, if required by law, all sales, consumer, use and similar taxes legally enacted as of the date hereof for equipment and material installed by Company. Tax exemption is contingent upon Customer furnishing appropriate certificates evidencing Customer's tax-exempt status. Company shall charge Customer additional costs for bonds agreed to be provided. Equipment sold on an uninstalled basis and any taxable labor/labour do not include sales tax and taxes will be added. Within thirty (30) days following Customer acceptance of the Proposal without addition of any other terms and conditions of sale or any modification, Customer shall provide notification of release for immediate production at Company's factory. Prices for Work are subject to change at any time prior to shipment to reflect any cost increases related to the manufacture, supply, and shipping of goods. This includes, but is not limited to, cost increases in raw materials, supplier components, labor, utilities, freight, logistics, wages and benefits, regulatory compliance, or any other event beyond Company's control. If such release is not received within 6 months after date of order receipt, Company reserves the right to cancel any order. If shipment is delayed due to Customer's actions, Company may also charge Customer storage fees. Company shall be entitled to equitable adjustments in the contract price to reflect any cost increases as set forth above and will provide notice to Customer prior to the date for which the increased price is to be in effect for the applicable customer contract. In no event will prices be decreased.

b. **Allocation to Trane of Tax Deduction under Section 179D of the Internal Revenue Code**. For calendar tax year(s) in which (a) the provisions of Section 179D of the Internal Revenue Code are in effect and (b) the qualifying property installed as a part of the Services has been placed in service pursuant to Section 179D, Customer agrees to allocate the tax deduction available under Section 179D solely to Trane pursuant to Section 179D(d)(4) and, upon a written request from Trane, shall provide the written form of allocation to the Customer that is required by the Internal Revenue Service.

5. Exclusions from Work. Company's obligation is limited to the Work as written and defined under the scope of Work and does not include any modifications to the Work site under the Americans With Disabilities Act or any other law or building code(s). In no event shall Company be required to perform work Company reasonably believes is outside of the defined Work without a written change order signed by Customer and Company in accordance with the Change of Work process defined hereunder.

6. Performance. Company shall perform the Work in accordance with industry standards generally applicable in the area under similar circumstances as of the time Company performs the Work. Company may refuse to perform any Work where working conditions could endanger property or put at risk the safety of persons. Unless otherwise agreed to by Customer and Company, at Customer's expense and before the Work begins, Customer will provide any necessary access platforms, catwalks to safely perform the Work in compliance with OSHA or state industrial safety regulations.

7. Payment. For Work requiring a longer construction schedule and progress payments, Customer shall pay Company or cause Company to be paid for the Services as follows: (a) **Initial Payment:** upon execution hereof, the amount set for in the Proposal (for engineering, drafting and other mobilization costs incurred prior to on-site installation) shall be due; and (b) **Progress and Final Payments:** Company will invoice in accordance with the Proposal for all materials and equipment delivered to the job site (or, as applicable, to an off-site storage facility) and for all installation, labor and services performed during the billing period; Customer shall pay all amounts due upon receipt of the invoice and any invoice not paid within ten (10) calendar days of its date shall be past due. All amounts outstanding ten (10) calendar days beyond the due date shall bear interest payable to Trane at the maximum allowable legal rate, retroactive to the due date. Customer shall pay all costs (including attorneys' fees) incurred by Company in attempting to collect amounts due from Customer. For all other Work, Customer shall pay Company's invoices within net 30 days of invoice date. Company may invoice Customer for all equipment or material furnished, whether delivered to the installation site or to an off-site storage facility and for all Work performed on-site or off-site. No retention shall be withheld from any payments except as expressly agreed in writing by Company, in which case retention shall be reduced per the contract documents and released no later than the date of substantial completion. Under no circumstances shall any retention be withheld for the equipment portion of the order. If payment is not received as required, Company may suspend performance and the time for completion shall be extended for a reasonable period of time not less than the period of suspension. Customer shall be liable to Company for all reasonable shutdown, standby and start-up costs as a result of the suspension. Company reserves the right to add to any account outstanding for more than 30 days a service charge equal to 1.5% of the principal amount due at the end of each month. Customer shall pay all costs (including attorneys' fees) incurred by Company in attempting to collect amounts due and otherwise enforcing these terms and conditions. If requested, Company will provide appropriate lien waivers upon receipt of payment. Customer agrees that, unless Customer makes payment in advance, Company will have a purchase money security interest in all equipment from Company to secure payment in full of all amounts due Company and its order for the equipment, together with these terms and conditions, form a security agreement. Customer shall keep the equipment free of all taxes and encumbrances, shall not remove the equipment from its original installation point, and shall not assign or transfer any interest in the equipment until all payments due Company have been made.

8. Time for Completion. Except to the extent otherwise expressly agreed in writing signed by an authorized representative of Company, all dates provided by Company or its representatives for commencement, progress or completion are estimates only. While Company shall use commercially

reasonable efforts to meet such estimated dates, Company shall not be responsible for any damages for its failure to do so. Delivery dates are approximate and not guaranteed. Company will use commercially reasonable efforts to deliver the Equipment on or before the estimated delivery date, will notify Customer if the estimated delivery dates cannot be honored, and will deliver the Equipment and services as soon as practicable thereafter. In no event will Company be liable for any damages or expenses caused by delays in delivery.

9. Equipment Location & Access. Customer shall provide, without charge, a mutually satisfactory location or locations for the installation and operation of the equipment and the performance of the installation work, including sufficient areas for staging, mobilization, and storage. Customer shall provide access to the Premises for Trane and its contractors or subcontractors during regular business hours, or such other hours as may be requested by Trane and acceptable to Customer, to install, adjust, inspect, and correct the installation work. Trane's access to correct any emergency condition shall not be restricted by Customer. Customer grants to Company the right to remotely connect (via phone modem, internet or other agreed upon means) to Customer's building automation system (BAS) and/or HVAC equipment to view, extract, or otherwise collect and retain data from the BAS, HVAC equipment, or other building systems, and to diagnose and remotely make repairs at Customer's request.

10. Completion. When Company informs Customer that the Work has been completed, Customer shall inspect the Work in the presence of Company's representative, and Customer shall either (a) accept the Work in its entirety in writing, or (b) accept the Work in part and specifically identify, in writing, any exception items. Customer agrees to re-inspect any and all excepted items as soon as Company informs Customer that all such excepted items have been completed. The initial acceptance inspection shall take place within ten (10) days from the date when Company informs Customer that the Work has been completed. Any subsequent re-inspection of excepted items shall take place within five (5) days from the date when Company informs Customer that the excepted items have been completed. Customer's failure to cooperate and complete any of said inspections within the required time limits shall constitute complete acceptance of the Work as of ten (10) days from date when Company informs Customer that the Work, or the excepted items, if applicable, has/have been completed.

a. Substantial Completion. When Trane considers that the Services, or a portion thereof, are substantially complete, Trane will submit to Customer a proposed "punch list" listing items of the Services to be completed prior to final completion. Customer and Trane shall inspect the Work (or portion thereof) to determine if the same is substantially complete. (Substantial Completion is defined as the stage in the progress of the Services (or designated portion thereof) when the Work is sufficiently complete so that Customer can occupy or utilize the Services for its intended use.) Customer and Trane shall add to the punch list any item of work that has not been completed. When the Services (or designated portion thereof) are substantially complete, Customer and Trane shall execute a Certificate of Substantial Completion, setting forth the date of Substantial Completion and shall state the date by which Trane shall complete the items included on the punch list.

b. Final Completion. Upon Customer's receipt of written notice from Trane that the installation work included in the Work is ready for final inspection and acceptance, Customer and Trane shall inspect the installation services and determine whether the same has been performed in accordance with the Proposal. If Customer considers the installation work to have been performed in accordance with the Proposal, Customer shall issue a Certificate of Final Completion and Acceptance, to be executed by an authorized representative of Customer. In the event Trane presents a Certificate of Final Completion and Acceptance to Customer for execution and, within fourteen (14) calendar days from the date noted in the Certificate as the date of such presentation, Customer fails to deliver an executed original of the Certificate to Trane and does not provide to Trane written objections to issuance of the Certificate, providing specific facts as to why the Services have not been finally completed, the Date of Final Completion shall be the date noted in the Certificate as the date the Certificate was submitted to Customer.

11. Changes in Work

a. Customer, by written change order, may request that Trane perform services in addition to the Work ("Change Order"). Trane shall be obligated to perform such additional services only pursuant to a Change Order agreed to and executed by Customer and Trane. The Change Order shall reflect the parties' agreement with respect to the scope of the additional services, the amount of any adjustment in the Proposal Price, and the extent of any adjustment in the contract time.

b. If a Change Order provides for an adjustment to the Proposal Price, such adjustment shall be based on one of the following methods:
   (1) A lump sum agreed to by Customer and Trane;
   (2) Unit prices set forth in this Agreement or subsequently agreed to; or
   (3) Cost of the work ordered plus a fee agreed to by the parties.

c. The following types of costs, which listing is not all-inclusive, shall be included in the determination of the cost of the additional work:
   (1) costs of labor, including social security, old age and unemployment insurance, fringe benefits required by agreement or industry practice or custom, and workers' compensation insurance;
   (2) costs of materials, supplies, and equipment, including transportation thereof, whether the same is incorporated or consumed in the additional work;
   (3) the costs of renting machinery and equipment, except hand tools;
   (4) premium costs for all bonds and insurance, permit or other governmental approval or inspection fees, and sales, use or comparable taxes relating to the additional work; and
   (5) additional costs of supervision and field office personnel directly attributable to the additional work.

12. Permits and Governmental Fees. Company shall secure (with Customer's assistance) and pay for building and other permits and governmental fees, licenses, and inspections necessary for proper performance and completion of the Work which are legally required when bids from Company's subcontractors are received, negotiations thereon concluded, or the effective date of a relevant Change Order, whichever is later. Customer is responsible for necessary approvals, easements, assessments and charges for construction, use, or occupancy of permanent structures or for permanent changes to existing facilities. If the cost of such permits, fees, licenses, and inspections are not included in the Proposal, Company will invoice Customer for such costs.

13. Utilities During Construction. Customer shall provide without charge to Company all water, heat, and utilities required for performance of the Work.

14. Concealed or Unknown Conditions. In the performance of the Work, if Company encounters conditions at the Work site that are (i) subsurface or otherwise concealed physical conditions that differ materially from those indicated on drawings expressly incorporated herein or (ii) unknown physical conditions of an unusual nature that differ materially from those conditions ordinarily found to exist and generally recognized as inherent in construction activities of the type and character as the Work, Company shall notify Customer of such conditions promptly, prior to significantly disturbing same. If such conditions differ materially and cause an increase in Company's cost of, or time required for, performance of any part of the Work, Company shall be entitled to, and Customer shall consent by Change Order to, an equitable adjustment in the Proposal Price, contract time, or both.

15. Pre-Existing Conditions. Company is not liable for any claims, damages, losses, or expenses, arising from or related to conditions that existed in, on, or upon the Work site before the Commencement Date of this Agreement ("Pre-Existing Conditions"), including, without limitation, damages, losses, or expenses involving Pre-Existing Conditions of building envelope issues, mechanical issues, plumbing issues, and/or indoor air quality issues involving mold/mould and/or fungi. Company also is not liable for any claims, damages, losses, or expenses arising from or related to work done by or services provided by individuals or entities that are not employed by or hired by Company.

16. Asbestos and Hazardous Materials. Company's Work and other services in connection with this Agreement expressly excludes any identification, abatement, cleanup, control, disposal, removal, or other work connected with asbestos, polychlorinated biphenyl ("PCB"), or other hazardous materials (hereinafter, collectively, "Hazardous Materials"). Customer warrants and represents that, except as set forth in a writing signed by Company, there are no Hazardous Materials on the Work site that will in any way affect Company's Work and Customer has disclosed to Company the existence and location of any Hazardous Materials in all areas within which Company will be performing the Work. Should Company become aware of or suspect the presence of Hazardous Materials, Company may immediately stop work in the affected area and shall notify Customer.

Customer will be exclusively responsible for taking any and all action necessary to correct the condition in accordance with all applicable laws and regulations. Customer shall be exclusively responsible for and, to the fullest extent permitted by law, shall indemnify and hold harmless Company (including its employees, agents and subcontractors) from and against any loss, claim, liability, fees, penalties, injury (including death) or liability of any nature, and the payment thereof arising out of or relating to any Hazardous Materials on or about the Work site, not brought onto the Work site by Company. Company shall be required to resume performance of the Work in the affected area only in the absence of Hazardous Materials or when the affected area has been rendered harmless. In no event shall Company be obligated to transport or manage Hazardous Materials, provide any notices to any governmental agency, or examine the Work site for the presence of Hazardous Materials.

17. Force Majeure. Company's duty to perform under this Agreement is contingent upon the non-occurrence of an Event of Force Majeure. If Company shall be unable to carry out any material obligation under this Agreement due to an Event of Force Majeure, this Agreement shall at Company's election (i) remain in effect but Company's obligations shall be suspended until the uncontrollable event terminates or (ii) be terminated upon 10 days' notice to Customer, in which event Customer shall pay Company for all parts of the Work furnished to the date of termination. An "Event of Force Majeure" shall mean any cause or event beyond the control of Company. Without limiting the foregoing, "Event of Force Majeure" includes: acts of God; acts of terrorism, war or the public enemy; flood; earthquake; tornado; storm; fire; civil disobedience; pandemic insurrections; riots; labor/labour disputes; labor/labour or material shortages; sabotage; restraint by court order or public authority (whether valid or invalid), and action or non-action by or inability to obtain or keep in force the necessary governmental authorizations, permits, licenses, certificates or approvals if not caused by Company; and the requirements of any applicable government in any manner that diverts either the material or the finished product to the direct or indirect benefit of the government.

18. Customer's Breach. Each of the following events or conditions shall constitute a breach by Customer and shall give Company the right, without an election of remedies, to terminate this Agreement or suspend performance by delivery of written notice: (1) Any failure by Customer to pay amounts when due; or (2) any general assignment by Customer for the benefit of its creditors, or if Customer becomes bankrupt or insolvent or takes the benefit of any statute for bankrupt or insolvent debtors, or makes or proposes to make any proposal or arrangement with creditors, or if any steps are taken for the winding up or other termination of Customer or the liquidation of its assets, or if a trustee, receiver, or similar person is appointed over any of the assets or interests of Customer; (3) Any representation or warranty furnished by Customer in this Agreement is false or misleading in any material respect when made; or (4) Any failure by Customer to perform or comply with any material provision of this Agreement. Customer shall be liable to Company for all Work furnished to date and all damages sustained by Company (including lost profit and overhead)

19. Indemnity. To the fullest extent permitted by law, Company and Customer shall indemnify, defend and hold harmless each other from any and all claims, actions, costs, expenses, damages and liabilities, including reasonable attorneys' fees, resulting from death or bodily injury or damage to real or tangible personal property, to the extent caused by the negligence or misconduct of their respective employees or other authorized agents in connection with their activities within the scope of this Agreement. Neither party shall indemnify the other against claims, damages, expenses, or liabilities to the extent attributable to the acts or omissions of the other party. If the parties are both at fault, the obligation to indemnify shall be proportional to their relative fault. The duty to indemnify will continue in full force and effect, notwithstanding the expiration or early termination hereof, with respect to any claims based on facts or conditions that occurred prior to expiration or termination.

20. Limitation of Liability. NOTWITHSTANDING ANYTHING TO THE CONTRARY, IN NO EVENT SHALL COMPANY BE LIABLE FOR ANY SPECIAL, LIQUIDATED, INCIDENTAL, INDIRECT, CONSEQUENTIAL, PUNITIVE, OR EXEMPLARY DAMAGES (INCLUDING WITHOUT LIMITATION BUSINESS INTERRUPTION, LOST DATA, LOST REVENUE, LOST PROFITS, LOST DOLLAR SAVINGS, OR LOST ENERGY USE SAVINGS, INCLUDING CONTAMINANTS LIABILITIES), EVEN IF A PARTY HAS BEEN ADVISED OF SUCH POSSIBLE DAMAGES OR IF SAME WERE REASONABLY FORESEEABLE AND REGARDLESS OF WHETHER THE CAUSE OF ACTION IS FRAMED IN CONTRACT, NEGLIGENCE, ANY OTHER TORT, WARRANTY, STRICT LIABILITY, OR PRODUCT LIABILITY). In no event will Company's liability in connection with the provision of products or services or otherwise under this Agreement exceed the entire amount paid to Company by Customer under this Agreement.

21. CONTAMINANTS LIABILITY

The transmission of COVID-19 may occur in a variety of ways and circumstances, many of the aspects of which are currently not known. HVAC systems, products, services, and other offerings have not been tested for their effectiveness in reducing the spread of COVID-19, including through the air in closed environments. **IN NO EVENT WILL COMPANY BE LIABLE UNDER THIS AGREEMENT OR OTHERWISE FOR ANY INDEMNIFICATION, ACTION OR CLAIM, WHETHER BASED ON WARRANTY, CONTRACT, TORT OR OTHERWISE, FOR ANY BODILY INJURY (INCLUDING DEATH), DAMAGE TO PROPERTY, OR ANY OTHER LIABILITIES, DAMAGES OR COSTS RELATED TO CONTAMINANTS (INCLUDING THE SPREAD, TRANSMISSION, MITIGATION, ELIMINATION, OR CONTAMINATION THEREOF) (COLLECTIVELY, "CONTAMINANTS LIABILITIES") AND CUSTOMER HEREBY EXPRESSLY RELEASES COMPANY FROM ANY SUCH CONTAMINANTS LIABILITIES.**

22. Patent Indemnity. Company shall protect and indemnify Customer from and against all claims, damages, judgments and loss arising from infringement or alleged infringement of any United States patent by any of the goods manufactured by Company and delivered hereunder, provided that in the event of suit or threat of suit for patent infringement, Company shall promptly be notified and given full opportunity to negotiate a settlement. Company does not warrant against infringement by reason of Customer's design of the articles or the use thereof in combination with other materials or in the operation of any process. In the event of litigation, Customer agrees to reasonably cooperate with Company. In connection with any proceeding under the provisions of this Section, all parties concerned shall be entitled to be represented by counsel at their own expense.

23. Limited Warranty. Company warrants for a period of 12 months from the date of substantial completion ("Warranty Period") commercial equipment manufactured and installed by Company against failure due to defects in material and manufacture and that the labor/labour furnished is warranted to have been properly performed (the "Limited Warranty"). Trane equipment sold on an uninstalled basis is warranted in accordance with Company's standard warranty for supplied equipment. **Product manufactured by Company that includes required startup and is sold in North America will not be warranted by Company unless Company performs the product start-up**. Substantial completion shall be the earlier of the date that the Work is sufficiently complete so that the Work can be utilized for its intended use or the date that Customer receives beneficial use of the Work. If such defect is discovered within the Warranty Period, Company will correct the defect or furnish replacement equipment (or, at its option, parts therefor) and, if said equipment was installed pursuant hereto, labor/labour associated with the replacement of parts or equipment not conforming to this Limited Warranty. Defects must be reported to Company within the Warranty Period. Exclusions from this Limited Warranty include damage or failure arising from: wear and tear; corrosion, erosion, deterioration; Customer's failure to follow the Company-provided maintenance plan; refrigerant not supplied by Company; and modifications made by others to Company's equipment. Company shall not be obligated to pay for the cost of lost refrigerant. Notwithstanding the foregoing, all warranties provided herein terminate upon termination or cancellation of this Agreement. No warranty liability whatsoever shall attach to Company until the Work has been paid for in full and then said liability shall be limited to the lesser of Company's cost to correct the defective Work and/or the purchase price of the equipment shown to be defective. Equipment, material, and/or parts that are not manufactured by Company ("Third-Party Product(s)" are not warranted by Company and have such warranties as may be extended by the respective manufacturer. **CUSTOMER UNDERSTANDS THAT COMPANY IS NOT THE MANUFACTURER OF ANY THIRD-PARTY PRODUCT(S) AND ANY WARRANTIES, CLAIMS, STATEMENTS, REPRESENTATIONS, OR SPECIFICATIONS ARE THOSE OF THE THIRD-PARTY MANUFACTURER, NOT COMPANY AND CUSTOMER IS NOT RELYING ON ANY WARRANTIES, CLAIMS, STATEMENTS, REPRESENTATIONS, OR SPECIFICATIONS REGARDING THE THIRD-PARTY PRODUCT THAT MAY BE PROVIDED BY COMPANY OR ITS AFFILIATES, WHETHER ORAL OR WRITTEN. THE WARRANTY AND LIABILITY SET FORTH IN THIS AGREEMENT ARE IN LIEU OF ALL OTHER WARRANTIES AND LIABILITIES, WHETHER IN CONTRACT OR IN NEGLIGENCE, EXPRESS OR IMPLIED, IN LAW OR IN FACT, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND/OR OTHERS ARISING FROM COURSE OF DEALING OR TRADE. COMPANY MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND, INCLUDING**

WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE. ADDITIONALLY, COMPANY MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND REGARDING PREVENTING, ELIMINATING, REDUCING OR INHIBITING ANY MOLD, FUNGUS, BACTERIA, VIRUS, MICROBIAL GROWTH, OR ANY OTHER CONTAMINANTS (INCLUDING COVID-19 OR ANY SIMILAR VIRUS) (COLLECTIVELY, "CONTAMINANTS"), WHETHER INVOLVING OR IN CONNECTION WITH EQUIPMENT, ANY COMPONENT THEREOF, SERVICES OR OTHERWISE. IN NO EVENT SHALL COMPANY HAVE ANY LIABILITY FOR THE PREVENTION, ELIMINATION, REDUCTION, OR INHIBITION OF THE GROWTH OR SPREAD OF SUCH CONTAMINANTS INVOLVING OR IN CONNECTION WITH ANY EQUIPMENT, THIRD-PARTY PRODUCT, OR ANY COMPONENT THEREOF, SERVICES OR OTHERWISE AND CUSTOMER HEREBY SPECIFICALLY ACKNOWLEDGES AND AGREES THERETO.

24. Insurance.

a. Company agrees to maintain the following insurance while the Work is being performed with limits not less than shown below and will, upon request from Customer, provide a Certificate of evidencing the following coverage:

Commercial General Liability	$2,000,000 per occurrence
Automobile Liability	$2,000,000 CSL
Workers' Compensation	Statutory Limits

If Customer has requested to be named as an additional insured under Company's insurance policy, Company will do so but only subject to Company's manuscript additional insured endorsement under its primary Commercial General Liability policies. In no event does Company waive its right of subrogation.

b. Customer's Liability and Property Insurance. (a) Customer shall be responsible for purchasing and maintaining Commercial General Liability Insurance of the type and amount Customer deems necessary and appropriate. (b) Customer shall purchase and maintain until Final Payment property insurance for the installation work in progress at least in an amount equal to the Proposal Price, as the same may be adjusted from time to time, for the installation work (including the equipment) on a replacement cost basis with a deductible of no more than $5,000 from an insurer reasonably acceptable to Trane. Such property insurance shall include the interests of Customer, Trane, and its subcontractors (at whatever tier) as additional insureds as their interests may appear. The property insurance purchased by Customer shall be on an all-risk policy form. The property insurance shall cover portions of the installation work stored off site after written approval of Customer at the value established in the approval. Customer, for itself and its insurance carriers, hereby waives all rights of subrogation against Trane and any of its subcontractors, agents, employees, and officers with respect to property insurance and any other insurance coverages maintained by Customer. (c) A loss insured under Customer's property insurance shall be adjusted by Customer's Insurer as a fiduciary and made payable to Customer as a fiduciary for the insureds, as their respective interests may appear, subject to requirements of any applicable mortgagee clause. Trane shall pay its subcontractors their just shares of insurance proceeds received by Customer and remitted to Trane, and, by appropriate agreements, written where legally required for validity, shall require said subcontractors to make payments to their subcontractors in a similar manner. In its fiduciary role, Customer shall have the power to negotiate and settle a loss with insurers; provided, however, that at least ten (10) days prior to agreeing to the proposed settlement, Customer shall advise the parties in interest in writing of the terms of the same and the parties in interest shall have seven (7) days thereafter to object in writing to the proposed adjustment or settlement; if such objection is made, Customer shall not enter into or agree to the proposed adjustment. (d) Certificates of insurance acceptable to the Customer and to Trane shall be provided by each party to the other prior to commencement of performance of any Services. Such certificates shall contain a provision that coverages afforded under the policies will not be canceled or allowed to expire until at least thirty (30) days prior written notice has been given to the other party. If any of the insurance coverages are required to remain in force after final payment and are reasonably available, an additional certificate evidencing continuation of such coverage shall be submitted with the final application for payment.

25. Commencement of Statutory Limitation Period. Except as to warranty claims, as may be applicable, any applicable statutes of limitation for acts or failures to act shall commence to run, and any alleged cause of action stemming therefrom shall be deemed to have accrued, in any and all events not later than the last date that Company or its subcontractors physically performed work on the project site.

26. General. Except as provided below, to the maximum extent provided by law, this Agreement is made and shall be interpreted and enforced in accordance with the laws of the state or province in which the Work is performed, without regard to choice of law principles which might otherwise call for the application of a different state's or province's law. Any dispute arising under or relating to this Agreement that is not disposed of by agreement shall be decided by litigation in a court of competent jurisdiction located in the state or province in which the Work is performed. To the extent the Work site is owned and/or operated by any agency of the Federal Government, determination of any substantive issue of law shall be according to the Federal common law of Government contracts as enunciated and applied by Federal judicial bodies and boards of contract appeals of the Federal Government. This Agreement contains all of the agreements, representations and understandings of the parties and supersedes all previous understandings, commitments, or agreements, oral or written, related to the subject matter hereof. This Agreement may not be amended, modified, or terminated except by a writing signed by the parties hereto. No documents shall be incorporated herein by reference except to the extent Company is a signatory thereon. If any term or condition of this Agreement is invalid, illegal or incapable of being enforced by any rule of law, all other terms and conditions of this Agreement will nevertheless remain in full force and effect as long as the economic or legal substance of the transaction contemplated hereby is not affected in a manner adverse to any party hereto. Customer may not assign, transfer, or convey this Agreement, or any part hereof, or its right, title, or interest herein, without the written consent of the Company. Subject to the foregoing, this Agreement shall be binding upon and inure to the benefit of Customer's permitted successors and assigns. This Agreement may be executed in several counterparts, each of which when executed shall be deemed to be an original, but all together shall constitute but one and the same Agreement. A fully executed facsimile copy hereof or the several counterparts shall suffice as an original.

27. Federal Requirements. The Parties shall comply with all United States federal labor law obligations under 29 CFR part 471, appendix A to subpart A. THE FOLLOWING PROVISIONS ARE INCORPORATED HEREIN BY REFERENCE: Executive Order 11701 and 41 CFR §§ 60-250.5(a), 60-300.5; Executive Order 11758 and 41 CFR § 60-741.5(a); U.S. immigration laws, including the L-1 Visa Reform Act of 2004 and the H-1B Visa Reform Act of 2004; and Executive Order 13496. The Parties shall abide by the requirements of 41 CFR 60-300.5(a) and 60-741.5(a). These regulations prohibit discrimination against qualified individuals based on their status as protected veterans or individuals with disabilities. Moreover, these regulations require that covered prime contractors and subcontractors take affirmative action to employ and advance in employment individuals without regard to protected veteran status or disability. The Parties certify that they do not operate any programs promoting DEI that violate any applicable United States anti-discrimination laws and acknowledge and agree that their compliance with all applicable federal anti-discrimination laws is material to the federal government's payment decisions. The Parties acknowledge and agree that their employment, procurement, and contracting practices shall not consider race, color, sex, sexual preference, religion, or national origin in ways that violate United States federal civil rights laws.

28. Export Laws. The obligation of Company to supply Equipment and/or Services under this Agreement is subject to the ability of Company to supply such items consistent with applicable laws and regulations of the United States and other governments. Company reserves the right to refuse to enter into or perform any order, and to cancel any order, under this Agreement if Company in its sole discretion determines that performance of the transaction to which such order relates would violate any such applicable law or regulation. Customer will pay all handling and other similar costs from Company's factories including the costs of freight, insurance, export clearances, import duties and taxes. Customer will be "exporter of record" with respect to any export from the United States of America and will perform all compliance and logistics functions in connection therewith and will also comply with all applicable laws, rules, and regulations. Customer understands that Company and/or the Equipment and/or Services are subject to laws and regulations of the United States of America which may require licensing or authorization for and/or prohibit export, re-export or diversion of Company's Equipment and/or Services to certain countries, and agrees it will not knowingly assist or participate in any such diversion or other violation of applicable United States of America laws and regulations. Customer agrees to hold harmless and indemnify Company for any damages

resulting to Customer or Company from a breach of this paragraph by Customer. Furthermore, the Customer acknowledges that the Company's Equipment are subject to export control and sanction laws and regulations, including but not limited to the U.S. Export Administration Regulations (EAR) (15 CFR 730-774) and the Foreign Asset Control Regulations (31 CFR 500) ("laws and regulations"). The Customer agrees to comply with all such laws and regulations. The Customer will not use or divert the Equipment for any prohibited end-uses, such as the proliferation of weapons of mass destruction. The Customer also agrees not to re-export or transfer the Equipment in violation of export control laws.

29. U.S. Government Work.

The following provision applies only to direct sales by Company to the US Government. The Parties acknowledge that all items or services ordered and delivered under this Agreement are Commercial Items as defined under Part 12 of the Federal Acquisition Regulation (FAR). In particular, Company agrees to be bound only by those Federal contracting clauses that apply to "commercial" suppliers and that are contained in FAR 52.212-5(e)(1). Company complies with 52.219-8 or 52.219-9 in its service and installation contracting business.

The following provision applies only to indirect sales by Company to the US Government. As a Commercial Item Subcontractor, Company accepts only the following mandatory flow down provisions in effect as of the date of this subcontract: 52.203-19; 52.204-21; 52.204-23; 52.219-8; 52.222-21; 52.222-26; 52.222-35; 52.222-36; 52.222-50; 52.225-26; 52.247-64. If the Work is in connection with a U.S. Government contract, Customer certifies that it has provided and will provide current, accurate, and complete information, representations and certifications to all government officials, including but not limited to the contracting officer and officials of the Small Business Administration, on all matters related to the prime contract, including but not limited to all aspects of its ownership, eligibility, and performance. Anything herein notwithstanding, Company will have no obligations to Customer unless and until Customer provides Company with a true, correct, and complete executed copy of the prime contract. Upon request, Customer will provide copies to Company of all requested written communications with any government official related to the prime contract prior to or concurrent with the execution thereof, including but not limited to any communications related to Customer's ownership, eligibility, or performance of the prime contract. Customer will obtain written authorization and approval from Company prior to providing any government official any information about Company's performance of the work that is the subject of the Proposal or this Agreement, other than the Proposal or this Agreement.

30. Limited Waiver of Sovereign Immunity. If Customer is an Indian tribe (in the U.S.) or a First Nation or Band Council (in Canada), Customer, whether acting in its capacity as a government, governmental entity, a duly organized corporate entity or otherwise, for itself and for its agents, successors, and assigns: (1) hereby provides this limited waiver of its sovereign immunity as to any damages, claims, lawsuit, or cause of action (herein "Action") brought against Customer by Company and arising or alleged to arise out of the furnishing by Company of any product or service under this Agreement, whether such Action is based in contract, tort, strict liability, civil liability or any other legal theory; (2) agrees that jurisdiction and venue for any such Action shall be proper and valid (a) if Customer is in the U.S., in any state or United States court located in the state in which Company is performing this Agreement or (b) if Customer is in Canada, in the superior court of the province or territory in which the work was performed; (3) expressly consents to such Action, and waives any objection to jurisdiction or venue; (4) waives any requirement of exhaustion of tribal court or administrative remedies for any Action arising out of or related to this Agreement; and (5) expressly acknowledges and agrees that Company is not subject to the jurisdiction of Customer's tribal court or any similar tribal forum, that Customer will not bring any action against Company in tribal court, and that Customer will not avail itself of any ruling or direction of the tribal court permitting or directing it to suspend its payment or other obligations under this Agreement. The individual signing on behalf of Customer warrants and represents that such individual is duly authorized to provide this waiver and enter into this Agreement and that this Agreement constitutes the valid and legally binding obligation of Customer, enforceable in accordance with its terms.

31. Building Automation Systems and Network Security. Customer and Trane acknowledge that Building Automation System (BAS) and connected networks security requires Customer and Trane to maintain certain cybersecurity obligations. Customer acknowledges that upon completion of installation and configuration of the BAS, the Customer maintains ownership of the BAS and the connected network equipment. Except for any applicable warranty obligations, Customer is solely responsible for the maintenance and security of the BAS and related networks and systems. In the event there is a service agreement between Trane and Customer, Trane will provide the services as set forth in the service agreement.

In order to maintain a minimum level of security for the BAS, associated networks, network equipment and systems, Customer's cybersecurity responsibilities include without limitation:

1. Ensure that the BAS, networks, and network equipment are physically secure and not accessible to unauthorized personnel.
2. Ensure the BAS remains behind a secure firewall and properly segmented from all other customer networks and systems, especially those with sensitive information.
3. Keep all Inbound ports closed to any IP Addresses in the BAS.
4. Remove all forwarded inbound ports and IP Addresses to the BAS.
5. Maintain user login credentials and unique passwords, including the use of strong passwords and the removal of access for users who no longer require access.
6. Where remote access is desired, utilize a secure method such as Trane Connect Secure Remote Access or your own VPN.
7. For any Trane services requiring remote data transfer and/or remote user access, configure the BAS and related firewall(s) per instructions provided by Trane. This typically includes configuring Port 443 and associated firewall(s) for Outbound only.
8. Perform regular system maintenance to ensure that your BAS is properly secured, including regular software updates to your BAS and related network equipment (i.e., firewalls).

Any and all claims, actions, losses, expenses, costs, damages, or liabilities of any nature due to Customer's failure to maintain BAS security responsibilities and/or industry standards for cybersecurity are the sole responsibility of the Customer.

1-26.251-10 (0326)
Supersedes 1-26.251-10 (07072025)

SECURITY ADDENDUM

This Addendum shall be applicable to the sale, installation and use of Trane equipment and the sale and provision of Trane services. "Trane" shall mean Trane U.S. Inc. for sales and services in the United States, or Trane Canada ULC for sales and services in Canada.

1. **Definitions.** All terms used in this Addendum shall have the meaning specified in the Agreement unless otherwise defined herein. For the purposes of this Addendum, the following terms are defined as follows:

   "Customer Data" means Customer account information as related to the Services only and does not include HVAC Machine Data or personal data. Trane does not require, nor shall Customer provide personal data to Trane under the Agreement. Such data is not required for Trane to provide its Equipment and/or Services to the Customer.

   "Equipment" shall have the meaning set forth in the Agreement.

   "HVAC Machine Data" means data generated and collected from the product or furnished service without manual entry. HVAC Machine Data is data relating to the physical measurements and operating conditions of a HVAC system, such as but not limited to, temperatures, humidity, pressure, HVAC equipment status. HVAC Machine Data does not include Personal Data and, for the purposes of this agreement, the names of users of Trane's controls products or hosted applications shall not be Personal Data, if any such user chooses to use his/her name(s) in the created accounts within the controls product (e.g., firstname.lastname@address.com). HVAC Machine Data may be used by Trane: (a) to provide better support services and/or products to users of its products and services; (b) to assess compliance with Trane terms and conditions; (c) for statistical or other analysis of the collective characteristics and behaviors of product and services users; (d) to backup user and other data or information and/or provide remote support and/or restoration; (e) to provide or undertake: engineering analysis; failure analysis; warranty analysis; energy analysis; predictive analysis; service analysis; product usage analysis; and/or other desirable analysis, including, but not limited to, histories or trends of any of the foregoing; and (f) to otherwise understand and respond to the needs of users of the product or furnished service. "Personal Data" means data and/or information that is owned or controlled by Customer, and that names or identifies, or is about a natural person, such as: (i) data that is explicitly defined as a regulated category of data under any data privacy laws applicable to Customer; (ii) non-public personal information ("NPI") or personal information ("PI"), such as national identification number, passport number, social security number, social insurance number, or driver's license number; (iii) health or medical information, such as insurance information, medical prognosis, diagnosis information, or genetic information; (iv) financial information, such as a policy number, credit card number, and/or bank account number; (v) personally identifying technical information (whether transmitted or stored in cookies, devices, or otherwise), such as IP address, MAC address, device identifier, International Mobile Equipment Identifier ("IMEI"), or advertising identifier; (vi) biometric information; and/or (vii) sensitive personal data, such as, race, religion, marital status, disability, gender, sexual orientation, geolocation, or mother's maiden name.

   "Security Incident" shall refer to (i) a compromise of any network, system, application, or data in which Customer Data has been accessed or acquired by an unauthorized third party; (ii) any situation where Trane reasonably suspects that such compromise may have occurred; or (iii) any actual or reasonably suspected unauthorized or illegal Processing, loss, use, disclosure or acquisition of or access to any Customer Data.

   "Services" shall have the meaning set forth in the Agreement.

2. HVAC Machine Data; Access to Customer Extranet and Third-Party Systems. If Customer grants Trane access to HVAC Machine Data via web portals or other non-public websites or extranet services on Customer's or a third party's website or system (each, an "Extranet"), Trane will comply with the following:
   a. Accounts. Trane will ensure that Trane's personnel use only the Extranet account(s) designated by Customer and will require Trane personnel to keep their access credentials confidential.
   b. Systems. Trane will access the Extranet only through computing or processing systems or applications running operating systems managed by Trane that include: (i) system network firewalls; (ii) centralized patch management; (iii) operating system appropriate anti-malware software; and (iv) for portable devices, full disk encryption.
   c. Restrictions. Unless otherwise approved by Customer in writing, Trane will not download, mirror, or permanently store any HVAC Machine Data from any Extranet on any medium, including any machines, devices, or servers.
   d. Account Termination. Trane will terminate the account of each of Trane's personnel in accordance with Trane's standard practices after any specific Trane personnel who has been authorized to access any Extranet (1) no longer needs access to HVAC Machine Data or (2) no longer qualifies as Trane personnel (e.g., the individual leaves Trane's employment).
   e. Third-Party Systems. Trane will provide Customer prior notice before it uses any third-party system that stores or may otherwise have access to HVAC Machine Data, unless (1) the data is encrypted and (2) the third-party system will not have access to the decryption key or unencrypted "plain text" versions of the HVAC Machine Data.

3. Customer Data; Confidentiality. Trane shall keep confidential, and shall not access or use any Customer Data and information that is marked confidential or by its nature is considered confidential ("Customer Confidential Information") other than for the purpose of providing the Equipment and Services, and will disclose Customer Confidential Information only: (i) to Trane's employees and agents who have a need to know to perform the Services, (ii) as expressly permitted or instructed by Customer, or (iii) to the minimum extent required to comply with applicable law, provided that Trane (1) provides Customer with prompt written notice prior to any such disclosure, and (2) reasonably cooperate with Customer to limit or prevent such disclosure.

4. Customer Data; Compliance with Laws. Trane agrees to comply with laws, regulations governmental requirements and industry standards and practices relating to the Trane's processing of Customer Confidential Information (collectively, "***Laws***").

5. Customer Data; Information Security Management. Trane agrees to establish and maintain an information security and privacy program, consistent with applicable HVAC equipment industry practices that complies with this Addendum and applicable Laws ("***Information Security Program***"). The Information Security Program shall include appropriate physical, technical, and administrative safeguards, including any safeguards and controls agreed by the Parties in writing, sufficient to protect Customer systems, and Customer's Confidential Information from unauthorized access, destruction, use, modification, or disclosure. The Information Security Program shall include appropriate, ongoing training and awareness programs designed to ensure that Trane's employees and agents, and others acting on Trane's, behalf are aware of and comply with the Information Security Program's policies, procedures, and protocols.

6. Monitoring. Trane shall monitor and, at regular intervals consistent with HVAC equipment industry practices, test and evaluate the effectiveness of its Information Security Program. Trane shall evaluate and promptly adjust its Information Security Program in light of the results of the testing and monitoring, any material changes to its operations or business arrangements, or any other facts or circumstances that Trane knows or reasonably should know may have a material impact on the security of Customer Confidential Information, Customer systems and Customer property.

7. Audits. Customer acknowledges and agrees that the Trane SOC2 audit report will be used to satisfy any and all audit/inspection requests/requirements by or on behalf of Customer. Trane will make its SOC2 audit report available to Customer upon request and with a signed nondisclosure agreement.

8. Information Security Contact. Trane's information security contact is Local Sales Office.

9. Security Incident Management. Trane shall notify Customer after the confirmation of a Security Incident that affects Customer Confidential Information, Customer systems, and Customer property. The written notice shall summarize the nature and scope of the Security Incident and the corrective action already taken or planned.

10. Threat and Vulnerability Management. Trane regularly performs vulnerability scans and addresses detected vulnerabilities on a risk basis. Periodically, Trane engages third parties to perform network vulnerability assessments and penetration testing. Vulnerabilities will be reported in accordance with Trane's cybersecurity vulnerability reported process. Trane periodically provides security updates and software upgrades.

11. Security Training and Awareness. New employees are required to complete security training as part of the new hire process and receive annual and targeted training (as needed and appropriate to their role) thereafter to help maintain compliance with Security Policies, as well as other corporate policies, such as the Trane Code of Conduct. This includes requiring Trane employees to annually re-acknowledge the Code of Conduct and other Trane policies as appropriate. Trane conducts periodic security awareness campaigns to educate personnel about their responsibilities and provide guidance to create and maintain a secure workplace.

12. Secure Disposal Policies. Trane will maintain policies, processes, and procedures regarding the disposal of tangible and intangible property containing Customer Confidential Information so that wherever possible, Customer Confidential Information cannot be practicably read or reconstructed.

13. Logical Access Controls. Trane employs internal monitoring and logging technology to help detect and prevent unauthorized access attempts to Trane's corporate networks and production systems. Trane's monitoring includes a review of changes affecting systems' handling authentication, authorization, and auditing, and privileged access to Trane production systems. Trane uses the principle of "least privilege" (meaning access denied unless specifically granted) for access to customer data.

14. Contingency Planning/Disaster Recovery. Trane will implement policies and procedures required to respond to an emergency or other occurrence (i.e., fire, vandalism, system failure, natural disaster) that could damage Customer Data or any system that contains Customer Data. Procedures include the following:
    a. Data backups; and
    b. Formal disaster recovery plan. Such disaster recovery plan is tested at least annually.

15. Return of Customer Data. If Trane is responsible for storing or receiving Customer Data, Trane shall, at Customer's sole discretion, deliver Customer Data to Customer in its preferred format within a commercially reasonable period of time following the expiration or earlier termination of the Agreement or, such earlier time as Customer requests, securely destroy or render unreadable or undecipherable each and every original and copy in every media of all Customer's Data in Trane's possession, custody or control no later than [90 days] after receipt of Customer's written instructions directing Trane to delete the Customer Data.

16. Background Checks. Trane shall take reasonable steps to ensure the reliability of its employees or other personnel having access to the Customer Data, including the conducting of appropriate background and/or verification checks in accordance with Trane policies.

17. DISCLAIMER OF WARRANTIES. EXCEPT FOR ANY APPLICABLE WARRANTIES IN THE AGREEMENT, THE SERVICES ARE PROVIDED "AS IS", WITH ALL FAULTS, AND THE ENTIRE RISK AS TO SATISFACTORY QUALITY, PERFORMANCE, ACCURACY AND EFFORT AS TO SUCH SERVICES SHALL BE WITH CUSTOMER. TRANE DISCLAIMS ANY AND ALL OTHER EXPRESS OR IMPLIED REPRESENTATIONS AND WARRANTIES WITH RESPECT TO THE SERVICES AND THE SERVICES PROVIDED HEREUNDER, INCLUDING ANY EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR THAT THE SERVICES WILL OPERATE ERROR-FREE OR UNINTERRUPTED OR RETURN/RESPONSE TO INQUIRIES WITHIN ANY SPECIFIC PERIOD OF TIME.

March 2026
Supersedes November 2023v2

DANIEL BOONE AREA SCHOOL DISTRICT
BOARD OF SCHOOL DIRECTORS
Monthly Meeting Schedule

January – December 2027

January 11	Committee of the Whole Work Session
January 25	School Board Meeting
February 8	Committee of the Whole Work Session
February 22	School Board Meeting
March 8	Committee of the Whole Work Session
March 22	School Board Meeting
April 12	Committee of the Whole Work Session
April 26	School Board Meeting
May 10	Committee of the Whole Work Session
May 24	School Board Meeting
June 7(*)	Committee of the Whole Work Session
June 14(*)	School Board Meeting
August 2(*)	Committee of the Whole Work Session
August 16(*)	School Board Meeting
September 13	Committee of the Whole Work Session
September 27	School Board Meeting
October 11	Committee of the Whole Work Session
October 25	School Board Meeting
November 1(*)	Committee of the Whole Work Session
November 15(*)	School Board Meeting
December 6(*)	Reorganization / Committee of the Whole Work Session
December 20(*)	School Board Meeting

The Committee of the Whole meetings will be held the second Monday of each month and the regular School Board Voting meetings will be held the fourth Monday of each month at 6:00 p.m. (***)Exceptions to the second and fourth Monday are June, August, November and December**. The public is invited to all meetings.

Meetings will be held at the Daniel Boone Area School District Board Meeting Room
501 Chestnut Street - Birdsboro, PA
(Enter at Door #5 for meetings)

Approved: November 16, 2026

DANIEL BOONE AREA SCHOOL DISTRICT
BOARD OF SCHOOL DIRECTORS
Monthly Meeting Schedule

January – December 2027

January 11	School Board Meeting
February 8	School Board Meeting
March 8	School Board Meeting
April 12	School Board Meeting
May 10	School Board Meeting
June 7(*)	School Board Meeting
August 9	School Board Meeting
September 13	School Board Meeting
October 11	School Board Meeting
November 8	School Board Meeting
December 6(*)	Reorganization Meeting / School Board Meeting

The regular School Board Voting meetings will be held the second Monday of each month at 6:00 p.m. **(*)Exceptions to the second Monday are June and December**. The public is invited to all meetings.

Meetings will be held at the Daniel Boone Area School District Board Meeting Room
501 Chestnut Street - Birdsboro, PA
(Enter at Door #5 for meetings)

Approved: November 16, 2026

BOARD POLICY

807 - for Board Review Opening Exercises/Moment of Silence/Flag Displays

POLICY NUMBER	VERSION	DOCUMENT STATUS	WORKFLOW
807 - for Board Review	v2.1	UNDER REVIEW	First Reading

PRINTED
11/5/2026

Purpose

The Board adopts this policy to ensure that all district schools comply with state and federal laws concerning flag displays**,** opening exercises **and the moment of silence on the anniversary of September 11,** while respecting the rights of individuals.**The Board further recognizes the importance of honoring the service and sacrifice of members of the United States Armed Forces, including those who have been prisoners of war or remain missing in action.**

Authority

A United States flag shall be displayed in classrooms and on or near each school building during school hours, in clement weather and at other times determined by the Board.[1]

District schools shall provide opening exercises that include a salute to the flag and/or recitation of the Pledge of Allegiance or the National Anthem.[1]

Students may decline to recite the Pledge of Allegiance or National Anthem and to salute the flag on the basis of personal belief or religious conviction. Students who choose to refrain from such participation shall respect the rights and interests of classmates who do participate.[1][2]

Guidelines

Display of the POW/MIA Flag

In recognition of the courage, service, and sacrifice of American prisoners of war and members of the United States Armed Forces who remain missing in action, the Board directs that the official National League of Families POW/MIA flag shall be displayed at each District school building.

The POW/MIA flag shall be displayed at at least 1 location on or near the exterior of each school building whenever the United States flag is displayed outdoors, subject to applicable flag protocols, weather conditions, and safety considerations.

The United States flag shall occupy the position of superior prominence in accordance with established flag etiquette.

The Superintendent or designee shall determine the appropriate location and method of display at each school building. Existing flagpoles or other suitable mounting arrangements may be utilized.

The District shall provide for the acquisition, installation, maintenance, and replacement of POW/MIA flags.

The Board directs the district to annually provide, during instructional hours, a moment of silence for students and staff to observe the anniversary of September 11, 2001.[4]

Legal Footnotes

[1] **24 P.S. 771**
LEGAL REFERENCE

[2] **22 PA Code 12.10**
LEGAL REFERENCE

[4] **24 P.S. 1555**
LEGAL REFERENCE

Board of School Directors Voting Meeting
Monday, October 26, 2026 7:00 PM Eastern

BCTC - Berks Career & Technology Center
(EAST CAMPUS)
3307 Friedensburg Road
Oley, PA 19547

Beverly Albright:	Present
Tanya Bell:	Present
Valerie Fekelman:	Present
Christopher Grech:	Present
Gretchen Markel:	Present
Julia Olafson:	Present
Bucky Scott:	Present
Christen Thompson:	Present
Lelayna Yarnall:	Present

Present: 9.

Recorded meeting duration: 00:06:45

1. **Meeting Opening - 00:00:03**

1.A. **Call to Order - Board President – at 7:08pm by Ms. Olafson**

All meetings will be recorded.
As per District Policy #008, Board Members are reminded when a conflict of interest exists, they are to state that they will be abstaining from a vote and the reason for doing so PRIOR to a vote being taken.

1.B. **Pledge of Allegiance - 00:00:08**

Please rise and join us in saying the Pledge of Allegiance

I pledge allegiance to the Flag of the United States of America, and to the Republic for which it stands, one Nation under God, indivisible, with liberty and justice for all.

1.C. **Roll Call - 00:00:28**

1.D. **Agenda Edits – None - 00:01:10**

1.E. **Announcements - 1.E.1 - 1.E.2 - 00:01:13**

1. There will be an Executive Session after tonight's meeting to discuss negotiations and personnel.

2. Superintendent Report **– 00:01:22 - No report**

1.F. **Recognitions / Presentations – None - 00:01:28**

1.G. **Procedures for Public Participation - 00:01:29**

Procedures for Public Participation

- Prepared statements that are to be read to the Board should have a copy presented to the Board President prior to their being addressed.
- Comments on agenda items will be made by rising and approaching the microphone and stating your name and address and signing on the sheet provided.
- You will be granted up to three minutes to address the Board. Your three (3) minute time limit will start when you begin to speak. When three (3) minutes are over, you will be asked to be seated.
- Any item that is not on the agenda, as well as agenda items acted upon, comments will be made at the designated section at the end of the agenda.

Act 20 of 1993 amended the law to grant residents and/or taxpayers of the district the right to comment on matters of concern, official action or deliberation that are or may be before the Board. Act 93 of 1998 further amended the law requiring the Board to provide an opportunity for public comment by residents and taxpayers before taking official action.

1.H. **Presentations by Public on Agenda Items - 00:02:07**

Please refer to the Procedures for Public Participation

None

2. **CONSENT ITEMS - 2.A.1 - 2.A.13 - 00:02:16**

All agreements and contracts are dependent upon solicitor approval.

1. Motion to approve the following Financial Reports for **SEPTEMBER 2026** (see attachments)
    1. Cafeteria Statement
    2. Treasurer's Report
    3. General Fund Statement
    4. General Fund Budget Sheet
    5. Student Activities
    6. Capital Reserve Fund
    7. Trial Balance

2. Motion to approve the payment of bills from **SEPTEMBER 28, 2026 through OCTOBER 23, 2026**

3. (Business / Finance) - Motion to accept a $990.91 donation from the Blazer Foundation for the Daniel Boone Area High School LifeSkills Program to purchase classroom supplies

4. (Business / Finance) - Motion to approve the Salary Schedule Movements for November 2026:

Staff Name:	Current Column:	Movement:
Berg, Carrie	M / 12	M +12 / 12
Falcone, Colleen	B	B +24
Fiorillo, Christine	M	M +12
Gilmore, Eileen	M +24 / 14	M +36 / 14
Heck, Amy	M / 5	M +12 / 5
Markee, Sydnie	M / 5	M +12 / 5
Mauger, Robert	M +24 / 11	M +36 / 11
Ober-Miller, Lauren	B / 5	B +24 / 5
Moser, Diane	M +12 / 16	M +24 / 16
Nowak, Jessica	B / 5	B +24 / 5
Pursell, Kristen	B +24 / 6	M / 6
Sweet, Gabriella	B +24 / 5	M / 5
Sweet, Wendy	M / 6	M +12 / 6
Tice, Karen	B +24 / 10	M / 10
Tokach, Bridget	B +24 / 7	M / 7
Wagner, Therese	M / 6	M +12 / 6
Weber, Megan	M +24 / 16	M + 36 / 16

5. (Curriculum / Instruction / Technology) - Motion to approve The Hallway as a Tier 3 Reading Intervention resource for Grades 7 and 8 at the Daniel Boone Area Middle School, at a cost of $2,779.33 for implementation beginning November 2026

6. (Curriculum / Instruction / Technology) - Motion to approve the Daniel Boone Area School District Language Instruction Educational Program (LIEP)

7. (Curriculum / Instruction / Technology) - Motion to approve the Membership Agreement with Allegheny Intermediate Unit to participate in the Digital Trust Hub, effective October 26, 2026, at a yearly cost of $1,650.00

8. (Operations) - Motion to approve the following policies:

Policy Number	Title of Policy for review
102	Academic Standards
105	Curriculum
137	Home Education Program Establishment and Monitoring
137.1	Participation by Home Education Students
204.1	Virtual Attendance and Wellness Checks
209	Health Examinations/Screenings
246	School Wellness
249	Bullying/Cyberbullying
704	Maintenance
803	School Calendar
805.2	School Security Personnel

Policy Number	Title of Policy for review
822	AED/CPR

9. (Operations) - Motion to approve the 2026-2027 Krise Transportation list of school bus/van drivers and monitors for the Daniel Boone Area School District

10. (Operations) - Motion to approve the Daniel Boone Area High School Drama Club *overnight* field trip to PA Thespians State Conference at Altoona Area High School in Altoona, PA, from December 4 - December 6, 2026 (approximately 11 students/2chaperones) District Van to the event

11. (Personnel) - Motion to approve the following:
    1. Retirements / Resignations
        1. Classified
            1. Haley Bitting, FT Special Ed Instructional Aide, Daniel Boone Area Primary Center, ***resignation*** effective September 30, 2026 (with last day of work being September 29, 2026)

            2. Victoria Salvatore, FT Special Ed Instructional Aide, Daniel Boone Area Middle School, ***resignation*** effective October 26, 2026 (with last day of work being October 23, 2026)

        2. Extracurricular
            1. Caroline Ramsey, JV Girls' Lacrosse - Head Coach, Daniel Boone Area High School, ***resignation*** effective October 6, 2026

            2. Andrew Wagner, Boys' Lacrosse - Head Coach, Daniel Boone Area High School, ***resignation*** effective September 15, 2026

    2. Leaves
        1. Professional
            1. #10140, Daniel Boone Area Middle School, unpaid leave of absence from December 7, 2026 through December 11, 2026 - (5 unpaid days)

            2. #25012, Daniel Boone Area Middle, unpaid FMLA Child Rearing Leave of absence from approximately March 20, 2027 through May 10, 2027 (preceded by paid leave of absence from approximately February 22, 2027 through March 19, 2027 utilizing accrued employee paid time) - (50 days)

        2. Classified
            1. #20069, Daniel Boone Area High School, paid leave of absence from October 6, 2026 through October 8, 2026 utilizing accrued employee time - (3 days)

    3. Appointments ***(subject to submission of required background checks and employment review documentation. Any LTS assignment shall conclude should the district employee return prior to their approved leave end date.)***

1. Classified
    1. Cheyenne Hails, FT Special Ed Instructional Aide, Tier 1 - 5 Days - 7 Hours, Daniel Boone Area Primary Center, effective October 26, 2026 or upon completion of required employment documentation, at an hourly rate of $18.67 (new position)

2. Extracurricular
    1. Audrey McCouch, Advisor - TSA, Daniel Boone Area Middle School, effective for the 2026/2027 school year, at a salary of $1,300.00 (replace K. Worrell)

12. (Personnel) - Motion to approve the Daniel Boone Area High School and Daniel Boone Area Middle School Winter Coaches for the 2026-2027 school year, as presented (Attachment10-26 #6V)

13. Motion to approve the minutes from the September 28, 2026 Voting Meeting

Motion was made to vote on items 2.A.1 through 2.A.13.

This motion, made by Valerie Fekelman and seconded by Lelayna Yarnall, Carried.

Beverly Albright: Yea, Tanya Bell: Yea, Valerie Fekelman: Yea, Christopher Grech: Yea, Gretchen Markel: Yea, Julia Olafson: Yea, Bucky Scott: Yea, Christen Thompson: Yea, Lelayna Yarnall: Yea
Yea: 9, Nay: 0

3. **BUSINESS / FINANCE** Added Consent - **3.A.1 - 00:04:02**

All agreements and contracts are dependent upon solicitor approval

1. Motion to approve additional Salary Schedule Movements for November 2026:

Staff Name:	**Current Column:**	**Movement:**
Ast, Patricia	B +24 / 15	M / 15

Motion was made to vote on item 3.A.1.

This motion, made by Tanya Bell and seconded by Gretchen Markel, Carried.

Beverly Albright: Yea, Tanya Bell: Yea, Valerie Fekelman: Yea, Christopher Grech: Yea, Gretchen Markel: Yea, Julia Olafson: Yea, Bucky Scott: Yea, Christen Thompson: Yea, Lelayna Yarnall: Yea
Yea: 9, Nay: 0

4. **CURRICULUM / INSTRUCTION / TECHNOLOGY** Added Consent – **None - 00:04:52**

All agreements and contracts are dependent upon solicitor approval

5. **FACILITIES / MAINTENANCE** Added Consent – **None - 00:04:53**

All agreements and contracts are dependent upon solicitor approval

6. **OPERATIONS** Added Consent – **None - 00:04:53**

All agreements and contracts are dependent upon solicitor approval

7. **PERSONNEL** Added Consent - **7.A.1 - 00:04:55**

All agreements and contracts are dependent upon solicitor approval

1. Motion to approve the following:
    1. Retirements / Resignations
        1. Administration
            1. Edward Isselmann, Principal, Daniel Boone Area Intermediate Center, **resignation** effective October 20, 2026 or upon release from administration per the current Act 93 Compensation Plan
        2. Extracurricular
            1. Adrienne Heaberlin, 8th Grade Softball - Head Coach, Daniel Boone Area Middle School, **resignation** effective October 20, 2026
            2. Kyle Tranovich, Boys' Basketball - Assistant Coach, Daniel Boone Area High School, **resignation** effective October 21, 2026
    2. Leaves
        1. Professional
            1. #31235, Daniel Boone Area Primary Center, unpaid FMLA leave of absence from January 9, 2027 through January 21, 2027 (preceded by paid leave of absence from December 10, 2026 through January 8, 2027 utilizing accrued employee time) - (23 days)
            2. #25015, Daniel Boone Area High School, unpaid leave of absence from December 7, 2026 through December 11. 2026 - (5 unpaid days)
            3. #64300, Daniel Boone Area Middle School, unpaid FMLA leave of absence from October 23, 2026 through November 23, 2026 - (21 unpaid days)

3. Appointments ***(subject to submission of required background checks and employment review documentation. Any LTS assignment shall conclude should the district employee return prior to their approved leave end date.)***
    1. Professional
        1. Farrand Collins, LTS - Teacher - Science, Daniel Boone Area Middle School, effective October 26, 2026 or upon completion of required employment documentation, at a daily rate of $311.58 (replaces M. Leiderman)

    2. Extracurricular
        1. Lauren Moulin, Co-Advisor - FBLA, Daniel Boone Area High School, effective for the 2026-2027 school year, with a 50% shared salary of $1,200.00

        2. **(REVISED)** Scott Moulin, Co-Advisor - FBLA, Daniel Boone Area High School, effective for the 2026-2027 school year, with a 50% shared salary of $1,200.00

    3. Volunteers
        1. Supervised (Athletics)
            1. Amtsbberg, Michael, DBAHS 2026-2027 Spring Season, Boys' Lacrosse
            2. Delissaint, Harrison, DBAHS 2026-2027 Winter Season, Boys' Basketball
            3. Hogan, James (JT), DBAHS 2026-2027 Winter Season, Wrestling
            4. Mulligan, Ryan, DBAMS 2026-2027 Fall Season, Boys' Soccer
            5. Ramsey, Caroline, DBAHS 2026-2027 Winter Season, Girls' Lacrosse

        2. Unsupervised
            1. Grege, Stacy
            2. Lawlor, Michelle
            3. Lopez, Clifford
            4. Perry, Kirgy
            5. Reppert, Katie
            6. Swavely, Ashlyn

Motion was made to vote on item 7.A.1.

This motion, made by Tanya Bell and seconded by Christen Thompson, Carried.

Beverly Albright: Yea, Tanya Bell: Yea, Valerie Fekelman: Yea, Christopher Grech: Yea, Gretchen Markel: Yea, Julia Olafson: Yea, Bucky Scott: Yea, Christen Thompson: Yea, Lelayna Yarnall: Yea
Yea: 9, Nay: 0

8. **OTHER BUSINESS** Consent - **8.A.1 - 00:05:43**

1. Motion to approve the minutes from the October 12, 2026 Committee of the Whole Meeting (Attachment 10-26 #5V)

Motion was made to vote on item 8.A.1.

This motion, made by Christen Thompson and seconded by Gretchen Markel, Carried.

Beverly Albright: Yea, Tanya Bell: Yea, Valerie Fekelman: Yea, Christopher Grech: Yea, Gretchen Markel: Yea, Julia Olafson: Yea, Bucky Scott: Yea, Christen Thompson: Yea, Lelayna Yarnall: Yea
Yea: 9, Nay: 0

9. **Presentations by Public on Issues - 00:06:35**

Please follow the procedures outlined in "Procedures for Public Participation"

None

10. **Meeting Adjournment - 00:06:40**

Motion was made for meeting adjournment at 7:15pm by Ms. Olafson.

This motion, made by Beverly Albright and seconded by Gretchen Markel, Carried.

Attest:

Bucky Scott, School Board Secretary