Cedar Crest High School

Educational Planning Guide



2026-2027 School Year

Cornwall-Lebanon School District

Mission Statement

CLSD: Student-focused to engage, empower, and inspire

Vision Statement

Students will develop the academic and personal skills necessary to become successful and responsible citizens within a global society. The District will make this vision a reality by considering the best interests of students. Decision making will utilize research, sound logic, relevant data, and responsible stewardship of resources.

Shared Values

The Cornwall-Lebanon School District is committed to:

- Providing every student with a comprehensive learning environment and effective tools for learning;
- Student mastery of basic skills, including college and career readiness, vocational, and technological excellence;
- Fostering a healthy district culture and a safe learning environment where ethical and moral behavior is valued;
- Providing a variety of co-curricular and extracurricular educational opportunities that extend beyond the traditional classroom;
- Promoting parent and community engagement;
- Providing an educational program that enables students to become creative, self-directed learners who demonstrate critical thinking, problem solving, and interpersonal skills;
- Employing a highly skilled staff that effectively integrates instructional technology and consistently uses data to improve student learning;
- A process of continual improvement in all aspects of the educational program.

District Contacts

Cornwall-Lebanon School District

https://www.clsd.k12.pa.us
717-272-2031

Dr. Philip Domencic.....Superintendent
Dr. Mariah Rackley.....Director of Curriculum and Instruction
Dr. Dean Bozman.....Director of Personnel and Operation K-12
Dr. John Shaffer.....Administrator of Educational Services
Dr. Kate Long.....Director of Pupil Services
Dr. Barbara May.....Administrator of Pupil Services
Dr. Jason Murray.....Technology Services Director
Mrs. Jean Hentz.....Director of Business Affairs

Cedar Crest High School Administration

https://www.clsd.k12.pa.us/hs-home
717-272-2033

Mr. Christopher Groff.....Principal
Mrs. Emma Lebo.....Assistant Principal
Mr. Michael Rohrbach.....Assistant Principal
Mr. Robert Snyder.....Assistant Principal
Mr. Rick Dissinger.....Athletic Director

Cedar Crest High School Counseling Department

https://www.clsd.k12.pa.us/hs-home
717-272-2033

Mrs. Erin Callihan.....Social Worker
Mr. Carlos Carmona.....School Counselor
Mrs. Sarah Gebhard.....School Counselor
Dr. Christopher Greenawalt.....Psychologist
Mrs. Lindsey Longo.....School Counselor
Dr. Diane Suhrbier.....Psychologist/Learning Facilitator
Dr. Stephen Thompson.....School Counselor

Course Registration Information

Principal's Message

The Educational Planning Guide has been prepared to give students and parents the opportunity to view the program of studies at Cedar Crest High School in total perspective. The academic program is designed to meet the varied needs of our student population. If the guide is to serve the student well, serious consideration and study must be utilized in making choices. The value of the program of studies is totally dependent on the effort put forth by each student in developing those understandings and skills that will build the foundation for a rewarding and satisfying future.

Mr. Christopher Groff, Principal
Cedar Crest High School

Message From Your Counselors

Students at Cedar Crest High School have the opportunity to plan and select individualized programs of study during their high school career. This Educational Planning Guide has been published to provide the students and their parents/guardians with information that will enable them to plan their educational programs. Included are the course offerings and descriptions, graduation requirements, and suggested educational plan. The course offerings provide for a solid base of academic study and also allow sufficient flexibility for students to elect courses based upon personal interest.

The counselors advise that students and their parents/guardians read the guide carefully. We hope that the program selected is challenging, but not challenging beyond the student's potential for success. Decisions for course selection should be made with great care, keeping in mind the student's abilities, personal goals, general interests, and career aspirations.

Counselors are available to assist students and parents/guardians with questions concerning the curriculum or selecting a program of study. Eighth grade students consult with their middle school counselor with questions. High school students consult their alphabetically assigned counselor. Students in grades 9-12 with an IEP should consult with Dr. Suhrbier.

We sincerely hope that this Educational Planning Guide will make course selection easier and provide a more rewarding experience.

Best wishes for a successful school year,
Cedar Crest High School Counseling Department

Graduation Requirements & Additional Information

Cedar Crest High School Graduation Requirements

All of the following requirements must be met to earn a Cedar Crest High School diploma:

1. Follow a career academy (pages 20-26)

2. Complete a four-year program

3. Accumulate a minimum of **24.0 credits**

4. **In Grade 12:** Register for a minimum of 6.0 credits - More than 6.0 credits may be needed for some seniors to meet all graduation requirements
   In grades 9-11: Register for a minimum of 7.0 credits per year

5. Successfully complete the following courses:
   - **4 credits in English** (core)
   - **3 credits in Mathematics** - *some colleges/universities and/or majors may require 4 credits of math*
   - **3 credits in Social Studies** - *all students must pass 1 credit of American Cultures, 1 credit of World Cultures, and at least 0.5 credit of U.S. Government*
   - **3 credits in Science** to include 1 credit of Biology - *some colleges/universities and/or majors may require 4 credits of science on the transcript*
   - **1.5 credits in Physical Education**
   - **0.5 credit in Health**
   - **0.5 credit in Fine Art or Music**
   - **0.5 credit in Career Development** -
     - For the Class of 2030 and beyond, options include:
       - Any introductory class available to 9th grade students in Agriscience and Technology, Business, Computer Applications or Programming, English, and Family and Consumer Science
     - For the Classes of 2027, 2028, and 2029, options include:
       - Business and Career Development
       - DIY Home Improvement
       - Introduction to Technology and Problem-Solving
       - Computer Science Foundations 1
       - Any Family and Consumer Science Course
   - **0.5 credit in Financial Literacy** (Saving, Investing, and Financial Decisions or starting with the Class of 2028, AP Business with Personal Finance)

6. Successfully complete the **Smart Futures** course during grades 9-12 as well as the Exit Interview during senior year (page 8)

7. Meet the statewide **Keystone Exam graduation requirement** as outlined in Senate Bill 1095 that expands options for students to demonstrate postsecondary readiness using four additional pathways that more fully illustrate college, career, and community readiness

* *While foreign language is not a graduation requirement for Cedar Crest High School, most colleges and universities require successful completion of at least 2.0 credits of the same foreign language. Some colleges/universities may require more than 2.0 credits.*

Act 158 (Keystone Exam) Pathways

<table>
<tr><th colspan="3">PATHWAY 1: Keystone Proficiency Pathway</th></tr>
<tr><td>Score Proficient or Advanced
in Algebra 1</td><td>Score Proficient or Advanced
in Biology</td><td>Score Proficient or Advanced
in Literature</td></tr>
<tr><th colspan="3">PATHWAY 2: Keystone Composite Pathway</th></tr>
<tr><td>At least ONE Keystone is
Proficient or Advanced</td><td>No Keystone Score
is Below Basic</td><td>Composite Keystone score
is 4452 or higher</td></tr>
<tr><th colspan="3">PATHWAY 3: CTE Concentrator</th></tr>
<tr><td>Meet local grade-based requirements for Keystone content in which student is less than Proficient on exam AND provide…</td><td colspan="2">Career and Technical Education: 1 Piece of Evidence
Industry-based competency certification
Likelihood of industry-based competency assessment success
Readiness for continued engagement in Career and Technical Education (CTE) Concentrator program of study</td></tr>
<tr><th colspan="3">PATHWAY4: Alternative Assessment</th></tr>
<tr><td>Meet local grade-based requirements for Keystone content in which student is less than Proficient on exam AND provide…</td><td colspan="2">Alternative Assessment: 1 Piece of Evidence
Attainment of one alternative assessment score or better: ACT (21), ASVAB AFQT (31), PSAT (970), or SAT (1010)
Attainment of Gold Level or better on ACT WorkKeys
Attainment of 3 or better on AP Exam(s) related to each Keystone content area in which less than Proficient
Attainment of 4 or better on IB Exam(s) related to each Keystone content area in which less than Proficient
Successful completion of concurrent course(s) related to each Keystone content area in which less than Proficient
Successful completion of a pre-apprenticeship program
Acceptance into a 4-year institution of Higher Education for college-level work</td></tr>
<tr><th colspan="3">PATHWAY 5: Evidence Based Pathway</th></tr>
<tr><td>Meet local grade-based requirements for Keystone content in which student is less than Proficient on exam AND provide…</td><td colspan="2">Evidence Based: 3 Pieces of Evidence
*One or more items from top section, no more than TWO items from bottom section
Attainment of 630 or better on any SAT Subject Test
Attainment of Silver Level or better on ACT WorkKeys
Attainment of 3 or better on any AP Exam
Successful completion of any concurrent postsecondary course
Industry-recognized credential
Acceptance into a postsecondary program other than a 4-year institution of higher education for college-level coursework
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Attainment of Proficient or Advanced on any Keystone Exam
Successful completion of a service-learning project
Letter guaranteeing full-time employment or military enlistment
Completion of an internship, externship, or cooperative education program
Compliance with NCAA Division II requirements</td></tr>
</table>

Cedar Crest High School Grading and Weighted GPA System				
Letter Grade	**AP**	**Honors**	**College Prep**	**Regular**
A+ 100-97%	5.13	4.73	4.43	4.33
A 96-93%	4.80	4.40	4.10	4.00
A- 92-90%	4.47	4.07	3.77	3.67
B+ 89-87%	4.13	3.73	3.43	3.33
B 86-83%	3.80	3.40	3.10	3.00
B- 82-80%	3.47	3.07	2.77	2.67
C+ 79-77%	3.13	2.73	2.43	2.33
C 76-73%	2.80	2.40	2.10	2.00
C- 72-70%	2.47	2.07	1.77	1.67
D+ 69-67%	2.13	1.73	1.43	1.33
D 66-63%	1.80	1.40	1.10	1.00
D- 62-60%	1.47	1.07	0.77	0.67
F 59-0%	0.00	0.00	0.00	0.00
Course Weight	**+0.8**	**+0.4**	**+0.1**	**1.0**

Smart Futures: A comprehensive career planning and readiness program

Smart Futures is a graduation requirement for ALL Cedar Crest High School Students
Students will complete most of the program on their own

Grade 9

Activities 1-7

1. New Thinking about Career Success
2. My Personality Type
3. Job Application
4. Preparation for Career
5. Abilities and Aptitudes
6. Personal Interests
7. Career Clusters and Pathways

**Optional CTC Visit*

Grade 10

Activities 8-12

8. Experiencing Careers While Still in School
9. Selecting Your Career Goal
10. My Programs or Majors
11. My School and College Survey
12. Job Interviews

** Optional - Complete activities 5-7 again*

** Optional CTC Visit*

Grade 11

Activities 13-16

13. Active Listening
14. The Entrepreneur Within
15. Personal Budget
16. Multiple Intelligences

Mandatory Falcon Future Consult Meeting

Job Shadow

Post-Secondary School or Military Visit

**Optional CTC Visit*

Grade 12

Final Resume

Exit Interview

Students can access Smart Futures through their Clever accounts.
More information is available at https://www.clsd.k12.pa.us/o/c under the Smart Futures tab.
School counselors can assist students with any questions.

The above outline provides a suggested pacing guide that will most benefit the students with their post-secondary planning. However, they are permitted to work ahead on any of the activities except for the Exit Interview, which must happen during the senior year.

Promotion Policy

1. Students must earn 4.0 credits (2.0 of which must come from core credits in English, science, math and social studies) to be promoted into 10th grade.
2. Students must earn 10.0 credits (6.0 of which must come from core credits in English, science, math and social studies) to be promoted into 11th grade.
3. Students must be eligible for graduation within their final school year to be promoted into 12th grade.

Guidelines for Credit Recovery

- Students who are recovering credits through an approved summer program must be finished with the course by August 1, 2026.

Consideration for Course Changes

Life is full of challenges. School is no different. When considering a course change, Cedar Crest High School has a process that students should follow to assist them with persevering and building necessary skills to succeed in life.

1. The student should talk to their parents/guardians for advice and encouragement.
2. The student should attempt to complete all assigned work.
3. The student should seek academic help from the teacher.
4. The student should seek academic assistance from other resources such as peer tutors, private tutors, etc.
5. If the above steps have been followed, then the student may secure a “Request for Schedule Change” form from their counselor.
6. The student will meet with the counselor for a review and schedule adjustment. In some cases, this request may need Mr. Groff’s review and consideration for approval.

Four-Year Course Selection Planner and Graduation Requirement Tracker				
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
1	English	English	English	English
2	Math	Math	Math	Elective
3	American Cultures or AP US History	World Cultures or AP Human Geography	Government Social Studies Elective	Elective
4	Biology	Chemistry	Science Elective	Elective
5	Physical Education Career Development Option	Physical Education Health	Physical Education * Saving, Investing, and Financial Decisions	Elective
6	Visual Art or Music Elective	Elective	Elective	Elective
7	Elective	Elective	Elective	Elective
8	Lunch or Elective	Lunch or Elective	Lunch or Elective	Lunch or Elective
	Underclassmen must register for a minimum of 7.0 credits	**Underclassmen must register for a minimum of 7.0 credits**	**Underclassmen must register for a minimum of 7.0 credits**	**Seniors must register for a minimum of 6.0 credits**
Students must earn a TOTAL of 24.0 credits or more to graduate!			**Your Total:**	

** Starting with the Class of 2028, AP Business and Finance may fulfill the financial literacy requirement.*

The form above can be used to plan out your course selections and/or keep track of your graduation requirements. Hard copies are available in the Counseling Office.

Remember…electives in the senior year might be core classes for students pursuing certain degree programs or applying to academically competitive colleges/universities. Work with your teachers and school counselors to develop the most appropriate schedule for your future plans.

In addition, college-bound students should plan to complete at least TWO consecutive years of coursework in the same foreign language. For many colleges/universities, this is an admission requirement.

Special Scheduling Options

Honors Courses

Honors level courses are offered in many curricular areas in grades 9-12 and carry a weight of +0.4 for GPA and ranking purposes.

Advanced Placement (AP) Courses

Advanced Placement (AP) courses are available in a variety of curricular areas. Advanced Placement is a nationally accredited program of the College Entrance Examination board. All students enrolled in AP courses are required to take the AP exam in May. If both College in the High School (CHS) and AP credit are offered, the student will have the choice between CHS, AP, or both. Students are required to pay for the exam(s) at their own expense no later than November 1. If payment is not received, the student will be removed from the AP course and placed in an alternate class. See course descriptions for more information. Students successful in the AP exams may receive college credits depending on the college or university that the students choose to attend. In addition, these courses will carry a +0.8 weight for ranking purposes.

CCHS offers the following AP classes:

Art History
Biology
Business with Personal Finance
Calculus AB
Calculus BC
Chemistry
Computer Science A: Java Programming
Computer Science Principles
English Language
English Literature
Environmental Science
European History
Human Geography
Macroeconomics
Music Theory
Physics 1
Physics 2
Physics C
Psychology
Statistics
US Government
US History

College in the High School

Cedar Crest High School, in conjunction with Lebanon Valley College, the University of Pittsburgh (PITT), and Harrisburg Area Community College (HACC), offers courses in which students earn college credit while satisfying the requirements for a high school diploma. These courses are offered on the Cedar Crest campus and are instructed by teachers employed by the Cornwall-Lebanon School District. Students enrolled in these courses are required to pay fees per course as determined by these institutions and must purchase class materials and books. Students will be billed directly by the corresponding institutions in early fall. Payment is the responsibility of the student. Tuition assistance is not available through the institutions nor the district. In order for students to participate in this program they must meet admission requirements set forth by LVC, PITT, and/or HACC and course prerequisites set forth by CCHS. College in the High School courses carry a weight of +0.8 for ranking purposes.

CHS Course	College	College Course Name	Placement Testing?	2025-2026 Credits Awarded and Cost per Credit (cpc)
English Composition 101 CHS	LVC	FYE 111		3 credits / $75 cpc*
College Algebra CHS	HACC	Math 103		3 credits / $75 cpc*
AP Statistics CHS	HACC	Math 202	* Maybe	3 credits / $83.50 cpc*
Intro to Human Biology CHS	LVC	Biology 101		4 credits / $75 cpc*
AP Psychology CHS	PITT	PSY 0100		3 credits / $85 cpc
Argument CHS	PITT	COMMRC 500		3 credits / $85 cpc
Business Calculus CHS	PITT	MATH 0120	* Yes	4 credits / $85 cpc
Financial Accounting (*Independent Study*)	PITT	BUSACC 0030		3 credits / No Cost to Student
Spanish 1 CHS	PITT	SPAN 003		3 credits / $85 cpc
Intermediate Web Design and Development CHS	PITT	CS 0134		3 credits / $85 cpc
Website Design and Development CHS	PITT	CS 334		3 credits / $85 cpc
				2026-2027 tuition costs were not available at time of publication

** For placement testing information, please see individual course descriptions later in this guide.*

Dual Enrollment: Seniors Only

Dual Enrollment courses are those that are taken at an institution of higher learning while a student is simultaneously enrolled at Cedar Crest High School. Credit is awarded both by the institution and by CCHS. Dual enrollment courses must be pre-approved by the building principal if high school credit is requested. Students may request no more than 1.0 high school credit (2 college courses) during the summer. Students may request no more than 2.0 high school credits (4 college courses) during the academic year. Students may earn no more than 8.0 CCHS credits toward GPA points per year, not including summer credits. Dual enrollment credit is included in this maximum. Students are responsible for seeking out dual enrollment opportunities and meeting with Mr. Groff for final approval. Students are also responsible for enrolling in programs at their own expense. CCHS schedules are not guaranteed to accommodate in-person, Dual Enrollment course meeting times.

Colleges and Technical schools that CCHS students have attended for Dual Enrollment classes in the past include:

Harrisburg Area Community College
Lebanon Valley College
Thaddeus Stevens College of Technology Early Enrollment Program

Emergency Medical Technician

Emergency Medical Technician (EMT) is a one period, yearlong Honors course that allows students to earn National and State Emergency Medical Technician certification pending successful completion of all exams and assessments. Students of ALL academic levels are encouraged to participate in this rigorous course. Students are required to attend evening classes and there is a course fee. Harrisburg Area Community College will offer 6.0 credits to any student that completes the program. See pages 80-81 for more information.

Co-Op / Internship: Seniors Only

These courses assist students with career exploration during the senior year. Future Professional's Internship is a 1.0 credit and one semester course that allows students to observe professional employees within the local community. Supervised Business Partnership (Co-Op) is a 3.0 credit, full-year course in which students will secure employment and work during the senior year. Interested students should contact Mr. Grumbine as well as their school counselor to discuss these options. See page 80 for more information.

Early Graduation: Seniors Only

Seniors that want to get an early start on college, military training, or employment may choose to graduate a semester early. They must complete all graduation requirements and receive principal approval. Students should meet with their school counselors to determine eligibility.

Open Campus: Seniors Only

Cedar Crest High School is offering an open campus privilege to senior students who are in good academic standing and can provide their own transportation (no car pooling). Students may participate in open campus during periods 1 or 8 or during a set combination of open periods which include periods 1 and 8, 1 and 2 or 7 and 8, if they opt out of lunch. Students may also leave campus during their lunch period.

Student Requirements/Criteria:

- Successfully complete a minimum of 18 credits by the end of the junior year
- Have his/her own transportation to and/or from school (no car pooling)
- Registering for Open Campus and meeting the above requirements/criteria does not ensure admittance
- **Open Campus will NOT be prioritized during the scheduling process** - Original course selections for core and elective classes will take precedence and student schedules will NOT be adjusted to accommodate Open Campus preferences
- The Open Campus privilege can be revoked/suspended based upon administrative determination

Independent Study

Students may work with a teacher to design an independent study course. The teacher must agree to participate and the course must have principal approval.

Peer Tutor

Peer Tutor is a course offering in which students can serve as a peer tutor during one of the lunch periods. Students may take this course for credit or use it for service hours in NHS or Key Club, but NOT both in the same semester. Students may choose this course for one semester or a full year. It will follow an S, U grading structure. It is available to students in grades 10-12 who have earned no less than a B in all CP or higher-level core classes and foreign language classes, if applicable. Interested students must complete an application.

Eligible Student Services

Classes are available for students who have been identified after an extensive diagnostic process as eligible and in need of special services. To the greatest extent possible and reasonable, eligible students remain in regular education with non-exceptional peers. Eligible students' course of study is determined by the IEP Team.

Lebanon County Career and Technology Center

The programs at the Lebanon County Career and Technology Center (CTC) are available for juniors and seniors at Cedar Crest High School. A list of available programs and corresponding schedules are listed below. Detailed CTC Program Descriptions begin on page 82 of this Educational Planning Guide.

CTC Programs	
Half Day Junior Year (AM) **Half Day Senior Year (PM)**	Auto Body Technology Automotive Technology Carpentry / Residential Construction Commercial Art and Design Computer Network Technology and Cybersecurity Dental Assistant Diesel Truck Technology Electrical Technology Electromechanical Technology Health Careers Technology Industrial Machine Technology Landscape and Horticulture Law Enforcement and Security Masonry Media Communications Technology Medical Assistant Plumbing, Heating, and Air Conditioning Sports Therapy Sciences Welding Technology
Half Day Junior Year (AM) **Full Day Senior Year**	Cosmetology
Full Day Senior Year	Culinary Arts Pastry Arts

CTC Enrollment Information

Official CTC enrollment applications are required at the same time as Cedar Crest Course Registration forms. If a program is not filled by March 1, enrollment applications are accepted on a first come basis until the program is filled. Subsequent requests are maintained on a first come waiting list and accommodated if openings occur.

Cedar Crest's selection of students is competitive in nature; many factors are used to determine qualification, including attendance records, course selections, GPA, and school citizenship.

Students must complete the required online application by the posted deadline. Failure to do so will jeopardize the student's chances of admission to CTC.

If the number of applications exceeds the available space for a specific program by March 1, CCHS applicants will be evaluated using a standardized rubric developed by the CTC. The highest-rated students will be selected to enter the CTC program based on their ranking within the allotted seats for the program(s), from highest to lowest.

I.E.P., special populations or at-risk students can be enrolled one year prior to the approved schedule permitting that there are available spaces in the program. At-risk students must complete a learning contract.

Partnership Programs with Colleges through CTC

Students who successfully complete a CTC program may receive advanced post-secondary credits or advanced standing through Tech Prep articulations, saving both time and money. For more information about these post-secondary partnerships, please contact the CTC Counseling Office at 717-273-8551 ext. 2125.

CTC Website

For more information about the Lebanon County Career and Technology Center, please visit their website: https://www.lcctc.edu

CTC Application

Students interested in applying to the Lebanon County Career and Technology Center for the 2026-2027 school year, must use the link below to access the online application:

Cedar Crest High School Lebanon County CTC Application Link

SOAR through CTC

Students Occupationally and Academically Ready

www.education.pa.gov/programsofstudy

SOAR programs of study prepare today's student for tomorrow's in demand and high wage careers

SOAR is built on programs of study (POS) that incorporate secondary and postsecondary education elements and include coherent and rigorous academic and technical content aligned with Pennsylvania's challenging academic standards.

The SOAR Articulation Agreement for advanced credit transfer is made possible when eligible postsecondary institutions and Pennsylvania secondary schools offering POS agree to the terms and conditions stated in the Perkins Statewide Articulation Agreement.

Website Navigation

- **Background**
  Policy information on programs of study
- **Framework**
  Templates and crosswalks to implement programs of study
- **Articulation**
  Information relating to statewide articulation agreements

SOAR Mission

To prepare students for college and careers in a diverse, high-performing workforce.

SOAR Benefits

- Save money on college tuition
- Save time by shortening college attendance
- Continue on your chosen career path
- Be prepared to enter the job market

SOAR Articulation

SOAR credits are accepted at many higher education institutions. Go to **CollegeTransfer.net** for further information.

Learn More About SOAR

- Programs of Study (POS)
- Planning your Career
- Qualifying for SOAR College Credit
- Postsecondary SOAR Partners

Earn College Credits for Secondary POS Completion

For further information visit:

Bureau of Career and Technical Education
www.education.pa.gov

pennsylvania
DEPARTMENT OF EDUCATION

03/2024

NCAA Eligibility Requirements

Student Athletes can go to **www.cedarcrestfalcons.com** and explore **Honest Game**. **Honest Game** is a comprehensive system to educate and empower our families to navigate the college athletic pathway.

Initial-Eligibility Standards

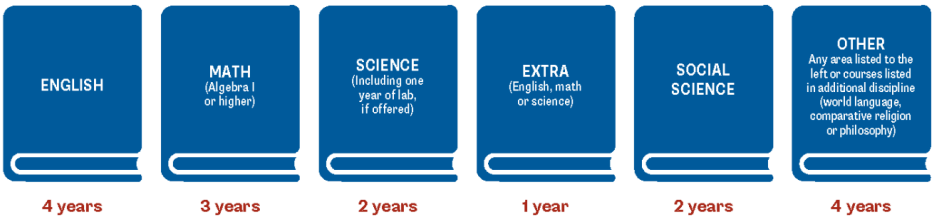
If you want to compete in NCAA sports, you need to register with the NCAA Eligibility Center at **eligibilitycenter.org**. Plan to register before your freshman year of high school. For more information on registration, visit **on.ncaa.com/RegChecklist**.

Academic Requirements

Division I and II schools require you to meet academic standards. To be eligible to practice, compete and receive an athletics scholarship in your first year of full-time enrollment, you must meet the following requirements:

Division I

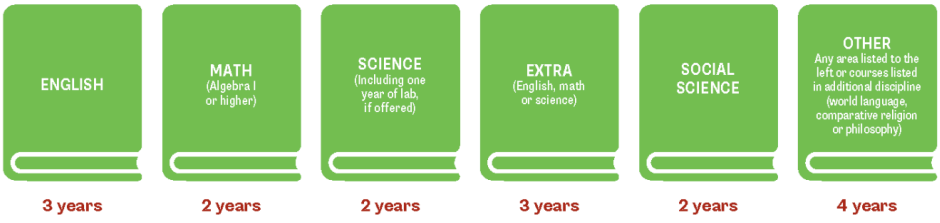
1. Earn 16 NCAA-approved core-course credits in the following areas:



2. Complete your 16 NCAA-approved core-course credits in eight academic semesters or four consecutive academic years from the start of ninth grade. If you graduate from high school early, you still must meet core-course requirements.
3. Complete 10 of your 16 NCAA-approved core-course credits, including seven in English, math or science, before the start of your seventh semester. Once you begin your seventh semester, any course needed to meet the 10/7 requirement cannot be replaced or repeated.
4. Earn a minimum 2.3 **core-course GPA**.
5. Ask your high school counselor to upload your **final official transcript** with proof of graduation to your Eligibility Center account.

Division II

1. Earn 16 NCAA-approved core-course credits in the following areas:



2. Earn a minimum 2.2 **core-course GPA**.
3. Ask your high school counselor to upload your **final official transcript** with proof of graduation to your Eligibility Center account.

Division III

While **Division III schools** set their own admissions and academic requirements, **international student-athletes** (first-year enrollees and transfers) who are enrolling at a Division III school after Aug. 1, 2023, must be certified as an amateur by the Eligibility Center. Contact the Division III school you plan to attend for more information about its academic requirements.

Guide for the College-Bound Student Athlete Link

Guide for the College-Bound Student-Athlete 2025-2026

NCAA Eligibility Center Link

www.eligibilitycenter.org

Approved Cedar Crest High School Courses for NCAA Eligibility:

English

AP Language and Composition
AP Literature and Composition
Argument CHS
Creative Writing CP
English 9 CP
English 9 Honors
English 10A CP
English 10B CP
English 10A Honors
English 10B Honors
English 11A CP - Mod Lit 1
English 11B CP - Am Lit
English 11A Honors
English 11B Honors
English 12A CP
English 12B CP - British Lit
English 12B CP - Shakespeare Seminar
English 12B CP - Mod Lit 2
English 12 CP - Speech
English Comp 101 CHS
Honors Seminar 1
Honors Seminar 2
LS English 9
LS English 10
LS English 11
LS English 12
Speech Honors

Math

Algebra 1A CP
Algebra 1A CP
Algebra 1 Honors
Algebra 2 CP
Algebra 2 Honors
Algebra 3 CP
AP Calculus AB
AP Calculus BC
AP Statistics CHS
AP Computer Science A: Java
AP Computer Science Principles
Adv Comp Sci Topics Hon
Business Calculus CHS
Calculus +
Calculus Honors
College Algebra CHS
Geometry CP
Geometry Honors
Pre-Calculus CP
Pre-Calculus Honors
Statistics CP
Trigonometry CP

Science

Advanced Topics in Biology
Agriscience and Tech 1
Agriscience and Tech 2 CP
Argriscience and Tech 3 CP
AP Biology
AP Chemistry
AP Environmental Science
AP Physics 1
AP Physics 2
AP Physics C
Astronomy CP
Biology 1 CP
Biology 1 Honors
Biology 2 CP
Chemistry 1 CP
Chemistry Honors
Chemistry 2 Honors
Deep Space Astronomy CP
Geology CP
Intro to Human Biology CHS
LS Science
Meteorology CP
Oceanography CP
Physics CP
Physics Honors
Principles of Physics

Social Studies

American Cultures CP
American Cultures Honors
American Pop Culture CP
American History through Film CP
AP European History
AP Human Geography
AP Macroeconomics
AP Psychology CHS
AP US Government
AP US History
Classical Worlds CP
Economics CP
Economics Honors
Government CP
Government Honors
History of Philosophy CP
International Relations Honors
LS Social Studies 1
LS Social Studies 2
Psychology CP
Sociology CP
World Cultures East CP
World Cultures West CP
World Cultures East Hon
World Cultures East Hon

Modern Language

French 1 CP
French 2 CP
French 3 Honors
French 4 Honors
German 1 CP
German 2
German 3 Honors
German 4 Honors
Latin 1 CP
Latin 2 CP
Latin 3 Honors
Latin 4 Honors
Spanish 1 CP
Spanish 2 CP
Spanish 2 Honors
Spanish 3 Honors
Spanish 4 Honors
Spanish 1 CHS

Throughout this Educational Planning Guide, approved NCAA courses are marked with the NCAA Logo

Career Academies

Career academies include groups of similar careers. They are intended to assist students with planning their course selections each year. The following pages include suggested elective classes that most align with each career area. While post-secondary plans often change or evolve for many students throughout high school, their elective course choices (which can include additional core classes) can help facilitate decisions students make about their future professions.

Included on the following pages are:

1. Examples of careers that would fall under each academy.
   If a specific job is not listed, find something similar or talk to a school counselor to determine the most appropriate career academy to follow.

2. A list of core and elective classes that would provide exposure and experience to a certain subject. These courses can also enhance a transcript or resume by showcasing a student's interest and dedication to their future plan.

Students who are still deciding on a potential career can take the following steps to assist in making a confident decision:

1. Try some **elective courses** that sound interesting to see if that could lead to a career.

2. Stay on track with **Smart Futures**. Activities 5-9 are particularly helpful with career exploration. Login through Clever to go directly to your personal student account.

3. Meet with your school counselor to discuss options and review resources and/or visit the College and Career Center in the high school library.

4. Visit the College Board's **Big Future** site, which offers online tools for career exploration, post-secondary school searches, and financial aid/scholarship assistance.
   www.bigfuture.org

5. Visit **My Next Move,** a website sponsored by the U.S. Department of Labor which allows individuals to research career areas and complete a career interest profiler.
   https://www.mynextmove.org

6. Explore **Khan Academy's** career page which highlights a variety of jobs through short video clips within different industries.
   https://www.khanacademy.org/college-careers-more/career-content

Career Academy: Business

Business Career Examples		
May require 4-years or more of post-secondary education	**May require 2-years of post-secondary education**	**May require high school diploma or special certifications**
Accountant / Actuary Advertising / Marketing Budget Analyst Business Analyst Computer Programmer Consultant Economist Finance / Financial Planner General Manager Hospital Administrator Hotel / Motel Manager Human Resources Manager Information Specialist International Business Labor / Personnel Manager Logistics Office Information Systems Purchasing / Contract Manager	Accounting / Bookkeeping Administrative Assistant Banking / Financial Services Business Systems / Networking Caterer Computer Repair Technician Court Reporter Data Processing Entrepreneur Executive Assistant Fashion Merchandising Hospitality Manager Legal Secretary Management Info Systems Medical Administrative Asst. Paralegal Retail Sales Travel / Tourism Specialist	Bank Teller Billing Clerk Brokerage Clerk Claims Adjuster Computer Operator Customer Service Data Processing Entrepreneur File Clerk / Records Manager Food Service Manager Information Processing Insurance Clerk Receptionist Retail Sales Associate Legal Secretary New Accounts Clerk Payroll Clerk Real Estate

Suggested Elective Courses: Business Career Academy		
All college-bound students should take at least two consecutive years of a foreign language. Accounting 1 & 2 Advanced Comp Sci Topics Hon Advertising ALICE: Prog via Animation & 3D American Pop Culture American History Through Film AP Business w/ Per. Finance AP Computer Science A AP Computer Science Principles AP European History AP Human Geography AP Macroeconomics AP Psychology CHS AP Statistics CHS AP US Government & Politics Broadcast Video 1 Business Management	Business & Personal Law Business & Personal Leadership Commercial Photography Computer Literacy Basics Computer Science Found 1 Computer Science Found 2 Economics Entrepreneurship Falcon Edge: Mindset, Leadership, & Performance Foundations of Business 1 & 2 French 1, 2, 3, & 4 Future Professional Internship German 1, 2, 3, & 4 Graphic Design History of Philosophy Housing & Interior Design Humanities Intermediate Website Design & Development CHS International Relations	Introduction to Mass Media Latin 1, 2, 3, & 4 Marketing Microsoft Office CORE Microsoft Office EXPERT Psychology Saving, Investing, Financial Dec. Sociology Spanish 1, 2, 3, & 4 Speech Honors Supervised Bus. Partnership Visual Communications 1, 2, & 3 Web Design & Development CHS

Career Academy: Communication and the Arts

Communication and the Arts Career Examples		
May require 4-years or more of post-secondary education	**May require 2-years of post-secondary education**	**May require high school diploma or special certifications**
Actor / Actress Advertising / Graphic Design Architect Art History Arts Management Dancer / Choreographer Composer/Arranger Creative Writer Editor/Publisher Fashion Design & Illustrator Film Studies Journalist / Broadcaster Music Conductor/Director Music Performance Producer/Director Public Relations Specialist Theater Design and Production	Audio & Visual Technician Broadcast Technician Camera Operator for Movie & TV Cartoonist Commercial Photographer Design & Applied Arts Fashion Merchandising Graphic Artist Interior Design Makeup Artist Metal & Jewelry Arts Prepress Technician Printmaker Sculpture Sound Engineering Technician Technical Writer Television Technician	Costume Attendants Crafts and Folk Art Data Entry Keyers Desktop Publishers Disc Jockey Fine Artist Floral Designer Lighting Technician Painters Photographer Platemaker Printer - Operator/Finisher Special Events Planner Telecommunication Installer Telecommunication Repairer

Suggested Elective Courses: Communication and the Arts Career Academy		
All college-bound students should take at least two consecutive years of a foreign language. Accounting 1 & 2 Advanced Pottery 2 & 3 Advanced Studio Art Alice: Prog via Animation & 3D American History through Film American Pop Culture AP Art History AP European History AP Human Geography AP Language & Composition AP Literature & Composition AP Macroeconomics AP Music Theory AP Psychology CHS AP US Government & Politics Arch Drafting CADD 1 & 2 Artisan Crafts Broadcast Video Prod. 1, 2, & 3 Business & Personal Law	Classical Worlds Commercial Photography Creative Writing DIY Home Improvement Drawing and Composition Economics Entrepreneurship Falcon Edge: Mindset, Leadership, & Performance Fashion, Apparel, & Textiles Foods I & II French 1, 2, 3, & 4 Future Professional Internship German 1, 2, 3, & 4 Graphic Design History of Philosophy Housing & Interior Design Humanities International Relations Intermediate Website Design & Development CHS Introduction to Mass Media	Latin 1, 2, 3, & 4 Marketing Microsoft Office CORE Microsoft Office EXPERT Music Theory Newspaper Production Painting Photography 1 & 2 Polymers & Plastics Technology Pottery Psychology Saving, Investing, Financial Dec. Sociology Spanish 1, 2, 3, & 4 Speech Honors Supervised Bus. Partnership Theatre Arts Visual Comm 1, 2, & 3 Web Design & Development CHS Wood 1, 2, & 3 Yearbook Production

Career Academy: Engineering, Physical Science, Applied Technology

Engineering, Physical Science, & Applied Technology Career Examples		
May require 4-years or more of post-secondary education	**May require 2-years of post-secondary education**	**May require high school diploma or special certifications**
Aerospace Engineer Aeronautical Engineer Aircraft Pilot Architect Biochemist Chemical Engineer Computer Engineer Computer Programmer Electrical Engineer Environmental Engineer Forensic Scientist Geologist Industrial Engineer Mechanical Engineer Meteorologist Pharmacist Physicist/Chemist Secondary Science Teacher	Apparel Pattern Maker Broadcast Technician CAD Operator Cartographer Chemical Engineering Tech Civil Engineering Technician Computer Technician Dental Laboratory Technician Electromechanical Technician Industrial Engineering Tech Inspector, Tester, Grader Laser Technician Machinist Mechanical Engineering Tech Musical Instrument Repair Nuclear Monitoring Tech Pollution Control Technician	Auto Body Technician Automotive Technician Carpenter Cost Estimator Diesel Mechanic Drywall Installer Electrician Heavy Equipment Operator Landscape Assistant Lineman Installer / Repairer Machine Operator Masonry Plumber/Heating/AC Quality Control Analyst Road Worker Roofer Solar Energy Installer Welder

Suggested Elective Courses: Engineering, Physical Science, & Applied Technology Career Academy		
All college-bound students should take at least two consecutive years of a foreign language. Advanced Comp Sci Topics Hon Advanced Topics in Biology Agriscience Tech 1, 2, 3, & 4 ALICE: Prog via Animation & 3D AP Biology AP Chemistry AP Computer Science A AP Computer Science Principles AP Environmental Science AP European History AP Human Geography AP Macroeconomics AP Physics 1 AP Physics 2 AP Physics C AP Statistics CHS AP US Government & Politics Arch Drafting CADD 1 & 2	Astronomy Broadcast Video Prod. 1, 2, & 3 Chemistry 2 Honors Computer Science Foundation 1 Computer Science Foundation 2 Deep Space Astronomy DIY Home Improvement Economics Engineering Design 1, 2, & 3 Electricity & Small Engines Falcon Edge: Mindset, Leadership, & Performance French 1, 2, 3, & 4 Future Professional Internship Geology German 1, 2, 3, & 4 Graphic Design Housing & Interior Design Intermediate Website Design & Development CHS Intro to Human Biology CHS Latin 1, 2, 3, & 4	Meteorology Microsoft Office CORE Microsoft Office EXPERT Oceanography Photography 1 & 2 Physics Honors Polymers & Plastics Technology Saving, Investing, Financial Dec. Spanish 1, 2, 3, & 4 Speech Honors Statistics Supervised Bus. Partnership Thinking Green Trigonometry Visual Comm. 1, 2, & 3 Web Design & Development CHS Welding & Concrete Wood 1, 2, & 3

Career Academy: Health, Agricultural Science, and Life Science

Health, Agricultural Science, & Life Science Career Examples		
May require 4-years or more of post-secondary education	**May require 2-years of post-secondary education**	**May require high school diploma or special certifications**
Agronomist Athletic Trainer Botanist / Horticulturist Conservation Scientist Dairy Science Dentist Dietician Environmentalist Marine Biologist Optometrist Pharmacist Physician or Surgeon Physician Assistant Physical / Occupational Therapy Psychiatrist Registered Nurse Social Worker Veterinarian	Cardiovascular Technician Dental Assistant Dietary Aide Diagnostic Medical Sonography Dialysis Technician Dietetic Technician EEG Technician EKG Technician Emergency Medical Tech. (EMT) Licensed Practical Nurse Medical Transcriptionist Midwife MRI Technician Nuclear Medicine Technician Physical Therapy Assistant Radiation Therapy Technician Respiratory Therapist Surgical Assistant	Agricultural Grader/Sorter Ag Equipment Operator Agricultural Technician Animal Breeder Animal Caretaker Child Care Aide/Worker Endoscopy Technician Farm Laborer Home Health Aide Medical Assistant Medical Equipment Preparer Nurse Aide/Orderly Occupational Therapy Aide Orderly Pest Control Worker Pesticide Handler/Sprayer Pharmacy Assistant Veterinary Assistant

Suggested Elective Courses: Health, Agricultural Science, & Life Science Career Academy		
All college-bound students should take at least two consecutive years of a foreign language. Accounting 1 & 2 Advanced Topics in Biology Agriscience Tech 1, 2, 3, & 4 AP Biology AP Chemistry AP Environmental Science AP European History AP Human Geography AP Macroeconomics AP Physics 1 AP Physics 2 AP Physics C AP Psychology CHS AP US Government & Politics Aquatics Biology 2 CP Business & Personal Law Chemistry 2 Honors	Drawing & Composition Economics Electricity & Small Engines EMT Falcon Edge: Mindset, Leadership, & Performance Foods I & II French 1, 2, 3, & 4 Future Professional Internship German 1, 2, 3, & 4 Intramural Sports Intro to Human Biology CHS Latin 1, 2, 3, & 4 Lifeguarding Lifetime Activities Microsoft Office CORE Microsoft Office EXPERT Net/Wall Games Physics 2 CP Physics Honors Psychology Saving, Investing, Financial Dec.	Sociology Spanish 1, 2, 3, & 4 Speech Honors Sports Officiating Strength Training Supervised Bus. Partnership Thinking Green Understanding Children Welding & Concrete

Agricultural Pennsylvania Skills Certificate Program Requirements

In addition to the career academy requirements, students interested in earning an Agricultural PA Skills Certificate are advised to follow this scope and sequence:

Grade 9	Grade 10	Grade 11	Grade 12
• Biology • Agriscience & Tech 1 • Intro to Technology and Problem Solving • Supervised Agriculture Experience	• Agriscience & Tech 2 Supervised Agriculture Experience	• Geometry • Agriscience & Tech 3 • Electricity & Small Engines • Supervised Agriculture Experience	• Agriscience & Tech 4 • Welding & Concrete • Supervised Agriculture Experience

By completing the approved scope and sequence, students will have the opportunity to earn certifications in OSHA, pesticide education, ServSafe food handler, and safe tractor driving. At the end of the program, students complete the NOCTI exam in Agricultural Production as well as potentially earn articulation credits through specific universities.

- **Agriscience and Technology 1-4:** This course satisfies 3 credits of general electives within the Plant Science major at Delaware Valley University.

- **Agriscience and Technology 1-4 + Supervised Agriculture Experience (SAE):** This course satisfies 3 credits of restricted electives within the Agribusiness major at Delaware Valley University.

Career Academy: Human and Public Services

Human & Public Services Career Examples		
May require 4-years or more of post-secondary education	**May require 2-years of post-secondary education**	**May require high school diploma or special certifications**
Anthropologist Coach College/University Faculty Clergy Criminologist Drug and Alcohol Counselor Early Childhood Educator Elementary Teacher FBI Agent Historian Law Enforcement Officer Lawyer/Judge Librarian Music Careers Physical Education Teacher Psychologist School Counselor Secondary Teacher Special Education Teacher Sociologist Speech/Language Pathologist	Air Traffic Controller Aviation Inspector Chef Child Care Director Court Reporter Embalmer Fire Inspector Flight Attendant Food Service Manager Hotel/Motel Manager Legal Administrative Assistant Mortician Police Patrol Officer Public Safety & Correction Mgr. Social Director Technical Education Teacher Tour Guide Travel Agent	Baker Barber Bellhop Bus Driver Caterer Child Care Worker / Nanny Cleaning Service Worker Coatroom Attendant Counter Clerk Firefighter Fitness Instructor Funeral Attendant Hairdresser/Cosmetologist Library Assistant Massage Therapist Prep Cook Recreation Worker Restaurant Attendant Sanitation Worker Security Guard Special Events Planner

Suggested Elective Courses: Human & Public Services Career Academy		
All college-bound students should take at least two consecutive years of a foreign language. Accounting 1 & 2 American History through Film American Pop Culture AP Art History AP Business w/ Per. Finance AP European History AP Human Geography AP Macroeconomics AP Psychology CHS AP US Government & Politics Broadcast Video Prod. 1, 2, & 3 Business & Personal Leadership Business & Personal Law Classical Worlds Economics	EMT Entrepreneurship Falcon Edge: Mindset, Leadership, & Performance Fashion, Apparel, & Textiles Foods I & II Foundations of Business 1 & 2 French 1, 2, 3, & 4 Future Professional Internship German 1, 2, 3, & 4 Graphic Design History of Philosophy Humanities International Relations Intramural Sports Introduction to Mass Media Latin 1, 2, 3, & 4 Lifetime Activities	Microsoft Office CORE Microsoft Office EXPERT Music Theory Net/Wall Games Newspaper Production Photography 1 & 2 Preschool Child Psychology Saving, Investing, Financial Dec. Sociology Spanish 1, 2, 3, & 4 Speech Honors Sports Officiating Strength Training Supervised Bus. Partnership Understanding Child Visual Comm. 1, 2, & 3 Yearbook Production

Course Listings At-A-Glance

**Please note, based on course registration numbers, necessary adjustments may be made to any course.*
***Newly weighted courses will only apply to students entering the earliest grade-level available to maintain consistency of weights within a graduating class.*

Agriscience and Technology

Agriscience and Technology 1 (9-12)
Agriscience and Technology 2 CP (10-12)
Agriscience and Technology 3 CP (11-12)
Agriscience and Technology 4 CP (12)
Supervised Agricultural Experience (9-12)
Architectural Drafting CADD 1 (9-12)
Architectural Drafting CADD 2 CP (9-12)
DIY Home Improvement (9-12)
Electricity and Small Engines (10-12)
Engineering Design 1 (9-12)
Engineering Design 2 CP (9-12)
Engineering Design 3 Honors (10-12)
Graphic Design CP (11-12)
Intro to Technology and Problem Solving (9)
Photography 1 (9-12)
Photography 2/Digital Photography CP (9-12)
Polymers and Plastics Technology (10-12)
Visual Communications 1 (9-12)
Visual Communications 2 CP (9-12)
Visual Communications 3 CP (10-12)
Welding and Concrete (10-12)
Wood 1 (9-12)
Wood 2 CP (9-12)
Wood 3 CP (10-12)

Art

Advanced Pottery 2 & 3 CP (10-12)
Advanced Studio Art CP (11-12)
AP Art History (10-12)
Art Foundations (9-10)
Artisan Crafts (10-12)
Commercial Photography (10-12)
Drawing & Composition (10-12)
Painting (10-12)
Pottery (10-12)
Sculpture (10-12)

Business

Accounting 1 CP (10-12)
Accounting 2 Honors (11-12)
Advertising (10-12)
AP Business with Personal Finance (11)
Business and Career Development (9-10)
Business and Personal Leadership (10-12)
Business Management (10-12)
Business and Personal Law (11-12)
Entrepreneurship (10-12)
Financial Accounting CHS (11-12) - *Ind. Study*
Foundations of Business (9-10)
Marketing (10-12)
Saving, Investing, & Financial Decisions (11-12)

Business: Computer Applications

Computer Literacy Basics (9-12)
Microsoft Office Applications - Core (9-12)
Microsoft Office Applications - Expert CP (9-12)

English: Core Classes

AP English Language and Composition (11-12)
AP English Literature and Composition (12)
Argument CHS (12)
English 9A and 9B
English 9 CP
English 9 Honors
English 10A and 10B
English 10A CP and 10B CP
English 10A Honors and 10B Honors
English 11A
English 11B - American Literature
English 11A CP - Modern Literature 1
English 11B CP - American Literature
English 11A Honors and 11B Honors
English 12 A CP

English: Core Classes Continued

English 12B CP - British Literature
English 12B CP - Modern Literature 2
English 12B CP - Shakespeare Seminar
English 12 CP - Speech
English 12A Honors and 12B Honors
English Composition 101 CHS (12)
Practical English A (12)
Practical English B (12)
Speech Honors (12)

English: Elective Courses

Broadcast Video 1 (9-12)
Broadcast Video 2 CP (10-12)
Broadcast Video 3 CP (11-12)
Creative Writing CP (11-12)
Humanities (11-12)
Introduction to Mass Media (9-11)
Newspaper Production Honors (10-12)
Theater: Acting/Directing/Playwriting (10-12)
Yearbook Production CP (10-12)

Family and Consumer Science

Fashion, Apparel, and Textile Design (9-12)
Foods 1 (9-12)
Foods 2 CP (9-12)
Housing and Interior Design (9-12)
Preschool Child (11-12)
Tools for Success (9-12)
Understanding Children (10-12)

Health and Physical Education

Adapted Physical Education (9-12)
General PE (9-12)
Health (10)
Intramural Sports (9-12)
Lifeguard Certification (9-12)
Lifetime Activities (9-12)
Net/Wall Games (9-12)
Performance Strength Training (9-12)
Physical Education / Driver Education (10-12)
Sports Officiating (10-12)
Strength Training (9-12)

Mathematics

AP Calculus AB
AP Calculus BC
AP Statistics CHS
Algebra 1A and 1B
Algebra 1C
Algebra 1A CP and 1B CP
Algebra 1 Honors
Algebra 2
Algebra 2 CP
Algebra 2 Honors
Algebra 3 CP
Business Calculus CHS
Calculus Honors
College Algebra CHS
Geometry
Geometry CP
Geometry Honors
Introduction to College Algebra CP
Pre-Calculus CP
Pre-Calculus Honors
Statistics CP
Trigonometry CP

Mathematics: Computer Programming

Advanced Comp Science Topics Honors (11-12)
Alice: Programming Via Animation (9-12)
AP Comp Science A - Java Programming (10-12)
AP Computer Science Principles (10-12)
Computer Science Foundations 1 CP (9-12)
Computer Science Foundations 2 CP (9-12)
Website Design and Development CHS (10-12)
Intermediate Website Design & Dev CHS (10-12)

Modern Language

French 1 CP
French 2 CP
French 3 Honors
French 4 Honors
German 1 CP
German 2 CP
German 3 Honors
German 4 Honors

Modern Language Continued

Latin 1 CP
Latin 2 CP
Latin 3 Honors
Latin 4 Honors
Spanish 1 CP
Spanish 2 CP
Spanish 2 Honors
Spanish 3 Honors
Spanish 4 Honors
Spanish 1 CHS

Music

AP Music Theory (10-12)
Concert Band (9)
Concert Choir (9-12)
Jazz Band (9-12)
Mixed Choir (9-12)
Music Appreciation (9-10)
Music Theory (10-12)
Orchestra (9-12)
Rhythm in Blue (9-12)
Symphonic Band (10-12)
Voice Class (9-12)

Science

Advanced Topics in Biology Honors (11-12)
AP Biology (10-12)
AP Chemistry (11-12)
AP Environmental Science (10-12)
AP Physics 1 (10-12)
AP Physics 2 (11-12)
AP Physics C (11-12)
Astronomy CP (10-12)
Biology (9)
Biology 1 CP (9)
Biology 1 Honors (9)
Biology 2 CP (10-12)
Chemistry (10-12)
Chemistry 1 CP (10-12)
Chemistry 1 Honors (10-12)
Chemistry 2 Honors (11-12)

Science Continued

Deep Space Astronomy CP (10-12)
Geology CP (10-12)
Intro to Human Biology CHS (11-12)
Meteorology CP (10-12)
Oceanography CP (10-12)
Physics CP (10-12)
Physics Honors (10-12)
Principles of Physics (10-12)
Thinking Green (10-12)

Social Studies

American Cultures (9)
American Cultures CP (9)
American Cultures Honors (9)
American History through Film CP (11-12)
American Pop Culture CP (11-12)
AP European History (11-12)
AP Human Geography (10-12)
AP Macroeconomics (11-12)
AP Psychology CHS (11-12)
AP U.S. Government and Politics (11-12)
AP U.S. History (9-12)
Classical Worlds CP (11-12)
Economics CP (11-12)
Economics Honors (11-12)
Falcon Edge (10-12)
Government CP (11-12)
Government Honors (11-12)
History of Philosophy CP (11-12)
International Relations Honors (11-12)
Psychology CP (11-12)
Sociology CP (11-12)
World Cultures Eastern & Western (10)
World Cultures Eastern & Western CP (10)
World Cultures Eastern & Western Honors (10)

Additional Offerings

Co-Op/Supervised Business Partnership (12)
Future Professional's Internship (12)
Emergency Medical Technician Honors (11-12)
Honors Seminar 1 and 2 (9-12)

Course Description

**Please note, based on course registration numbers, necessary adjustments may be made to any course.*
***Newly weighted courses will only apply to students entering the earliest grade-level available to maintain consistency of weights within a graduating class.*

Agriscience and Technology

AGRISCIENCE AND TECHNOLOGY 1
(Grade 9, 10, 11, 12) Full Year Course/1 Credit
Agriscience and Technology I explores the many facets of agriculture. Primary emphasis is placed on the study of small animal care, gardening, greenhouse work, and conservation as well as an introduction to other areas of agriculture. Other studies include the correct use of hand tools and various wood and metal projects.

AGRISCIENCE AND TECHNOLOGY 2 CP
(Grade 10, 11, 12) Full Year Course/1 Credit
In this course, the studies include crop production with emphasis on the major crops found in the Lebanon area. Some aspects of animal agriculture, including horses and poultry, are presented. Shop work includes education involving power tools (ex. table saw, drill press), wood projects, electric arc welding, and other aspects of Agriscience.
Prerequisite: Successful completion of Agriscience and Technology 1 or Teacher Waiver.

AGRISCIENCE AND TECHNOLOGY 3 CP
(Grade 11, 12) Full Year Course/1 Credit
This course includes selection, growth, feeding, management, and marketing of animals such as dairy and beef. How crops can be used to complement the feeding of animals is covered. Shop work includes general plumbing skills, electric wiring, advanced welding and individual shop projects.
Prerequisite: Successful completion of Agriscience and Technology 2 or Teacher Waiver.

AGRISCIENCE AND TECHNOLOGY 4 CP
(Grade 12) Full Year Course/1 Credit
This Agriscience course offers study in agribusiness management, including pesticide certification, swine production, marketing, and record keeping. In addition, students study the use of computers in agriculture and use the Ag computer system. Also included is advanced study in the animal and plant sciences. Agriculture mechanics includes advanced mechanics skills and individual projects. Senior Ag students are eligible to participate in an agriculture-related Co-op program.
Prerequisite: Successful completion of Agriscience and Technology 3 or Teacher Waiver.

SUPERVISED AGRICULTURAL EXPERIENCE (SAE)
(Grade 9, 10, 11, 12) Full Year Course/.5 Credit
SAE is a course on agricultural record keeping. Students will keep records on an approved agricultural project in an approved FFA record book. This course is designed to not only teach students about fundamentals in record keeping but is also designed to give them a real agricultural experience in an area of their interest.

ARCHITECTURAL DRAFTING CADD 1
(Grade 9, 10, 11, 12) One Semester Course/.5 Credit
This course focuses on the basics of Residential House Design. Through instructor demonstrations and guidance, students begin by designing individual rooms of a house (living, kitchen, dining, bedroom) and eventually move onto whole house design where they will design a Ranch House and Colonial House. The Autodesk Revit design software will be used to complete each design activity.

ARCHITECTURAL DRAFTING CADD 2 CP
(Grade 9, 10, 11, 12) One Semester Course/.5 Credit
This course is a continuation of Arch. Drafting CADD 1 where students will build upon their knowledge of Residential House Design. This course will not only allow students to refine their house design techniques, but will focus on other areas of importance like outdoor living areas, plot plans, topography, landscaping, environmental design factors, and foundation plan development. Students will use the Revit design software to complete all assignments for the course. **Prerequisite: Successful completion of Architectural Drafting CADD 1.**

DIY HOME IMPROVEMENT
(Grade 9, 10, 11, 12) One Semester Course/.5 credit
This course will address situations you may encounter as a homeowner, renter, or a career in construction. Topics in this course will include: plumbing, framing, electrical, drywall, exterior surfaces, roofing, flooring, and construction.

ELECTRICITY AND SMALL ENGINES
(Grade 10, 11, 12) One Semester Course/.5 Credit
This course will provide the student with the opportunity to learn basic electrical principles, safety, and codes. Electrical circuitry projects will be constructed to develop abilities in maintenance and repair of home wiring, proper selection and use of electrical tools and materials. Also, students will be provided with the opportunity to learn how to service and overhaul four-cycle gasoline engines. Instruction emphasizes engine operation, carburetion, ignition, compression, maintenance, and trouble-shooting.

ENGINEERING DESIGN 1

(Grade 9, 10, 11, 12) One Semester Course/.5 Credit

The purpose of this course is to teach students the basic concepts of Engineering and design. Through a series of building block activities, students will focus on learning both Orthographic Projection (2D), and Isometric style drawing (3D). Students will also learn 3D design using the Autodesk Inventor software. This software will be used to solve an open-ended design challenge as the final project. This course is highly recommended for any student enrolled in the Engineering Academy at CCHS. This course is a prerequisite for Engineering Design 2.

ENGINEERING DESIGN 2 CP

(Grade 9, 10, 11, 12) One Semester Course/.5 Credit

This course is designed to allow students to build on the foundation of knowledge and experiences they gained in Engineering Design 1. The first portion of this course takes students through the design process of creating advanced machine parts using the Autodesk Inventor design software. The second half of this course focuses on students solving intermediate level engineering design challenges based on real world problems. These challenges give students the ability to use their problem solving and design skills to create unique solutions to solve mechanical problems. Students will then have the opportunity to test their designs by using 3D printing technology to print their solutions. This hands-on course uses current technology to teach engineering concepts and is highly recommended for any student enrolled in the Engineering Academy at CCHS. **Prerequisite: Successful completion of Engineering Design 1.**

ENGINEERING DESIGN 3 Honors

(Grade 10, 11, 12) One Semester Course/.5 Credit

This course will allow students to use all of the skills they developed in ED1 & ED2. Students will use the Autodesk Inventor design software to complete a series of mechanical design challenges where they will need to research and design their solutions. Students will then have the opportunity to test their designs by using 3D printing technology to print their solutions. Activities in this course will range between group and individual projects. This hands-on course uses current technology to teach engineering concepts and is highly recommended for any student enrolled in the Engineering Academy at CCHS.

Prerequisite: Successful completion of Engineering Design 1 and 2.

GRAPHIC DESIGN CP

(Grade 11, 12) One Semester Course/.5 Credit

This course will explore computer generated page design. Core activities will involve combining text and images to solve visual problems using Photoshop and In Design. Students will use basic design principles, typography, images and color to create informative or persuasive visual products. All projects will reflect real world applications.

Prerequisite: Successful completion of Visual Communications 1 and Visual Communications 2.

INTRODUCTION TO TECHNOLOGY AND PROBLEM SOLVING

(Grade 9) One Semester Course/.5 Credit

Also known as T.U.R.B.O.- PX (Technology Utilizing Resources to Build Hands-On ProjeX). This course allows students to explore technology and the six steps of problem solving. The course covers the electronics, manufacturing, transportation, construction, and energy areas of engineering through hands-on activities. Modules cover topics such as scale drawing, CO2 dragsters, electronic alarm clocks and mousetrap cars. Other activities could include principles of flight and structural strength efficiency. Each project allows students to improve their problem-solving skills, which can be used in other areas of education and in everyday decision-making.

PHOTOGRAPHY 1

(Grade 9, 10, 11, 12) One Semester Course/.5 Credit

Photography 1 provides students with a foundation in the art and technical skills of digital photography. Students will learn how to compose effective photographs using the principles of photographic composition and explore the functions of a digital SLR camera, including basic camera controls. Through hands-on practice, students will become familiar with basic studio equipment and lighting setups. Emphasis will be placed on understanding and manipulating shutter speed and aperture to control exposure and achieve desired creative effects

PHOTOGRAPHY 2/DIGITAL PHOTOGRAPHY CP

(Grade 9, 10, 11, 12) One Semester Course/.5 Credit

Photography 2 builds upon the foundational skills developed in Photography 1, guiding students toward more advanced technical and creative control of digital photography. Students will explore the advanced functions and manual settings of a DSLR camera while experimenting with a variety of photographic genres such as portrait, landscape, product, and conceptual photography. Emphasis will be placed on refining composition, lighting, and exposure techniques using more sophisticated studio equipment and setups. In addition, students will enhance their post-processing skills through advanced digital editing and image manipulation. **Prerequisite: Successful completion of Photography 1.**

POLYMERS & PLASTICS TECHNOLOGY

(Grade 10, 11, 12) One semester/.5 credit

This course will explore the dynamic field of polymers and plastics. Students will complete hands-on activities using vacuum forming, 3-D printing, injection molding, 2-art foam, blow molding, and carbon-fiber/kevlar composites.

**** Due to construction, this course will NOT run in the 2026-2027 school year.***

VISUAL COMMUNICATIONS 1

(Grade 9, 10, 11, 12) One Semester Course/.5 Credit

An exploratory course in the diverse field of visual communications where students will actively participate in desktop publishing, book binding, embroidery, screen printing, offset printing and flexography (rubber stamp).

VISUAL COMMUNICATIONS 2 CP
(Grade 9, 10, 11, 12) One Semester Course/.5 Credit
A course dealing with the techniques and principles involved in the areas of stencil printing and offset printing. The course will be divided in 18-week segments, one devoted to screen process printing and the other to offset printing. **Prerequisite: Successful completion of Visual Communications 1.**

VISUAL COMMUNICATIONS 3 / SCREEN PRINTING PRODUCTION CP
(Grade 10, 11, 12) One Semester Course/.5 Credit
This is an in-depth course that will explore the techniques and principles of screen printing production. Emphasis will be placed on multi-color design, stencil preparation, color registration and production printing. Supplemental experiences will include: digitizing/embroidery, process color and software exploration. **Prerequisite: Successful completion of Visual Communications 2.**

WELDING AND CONCRETE
(Grade 10, 11, 12) One Semester Course/.5 Credit
This course is designed to introduce students to the welding field. Students will gain practical experience in arc welding, MIG welding, TIG welding, gas welding, gas cutting, and plasma cutting. Students will complete test welds and projects in the various areas. Students will also gain a working knowledge of concrete by pouring concrete forms to complete a project. Basic mixing, pouring, and finishing techniques will be covered in the concrete portion of the course.

WOOD 1
(Grade 9, 10, 11, 12) One Semester Course/.5 Credit
This course is designed to introduce the student to the woodworking field. Students will learn the basic operations and processes used in woodworking. Through a hands-on approach, the student will learn to use both hand and power tools safely to complete several projects.

WOOD 2 CP
(Grade 9, 10, 11, 12) One Semester Course/.5 Credit
In this course, the students will expand their woodworking skills that were acquired in the introductory woodworking class. Students will be more involved in the planning of the project to be completed. The project will include the following: panel fabrication, face frame construction, drawer construction, assembly and finishing techniques. The course will also look at the different careers in this industry. **Prerequisite: Successful completion of Wood 1.**

WOOD 3 CP
(Grade 10, 11, 12) One Semester Course/.5 Credit
In this course, the students will build upon the skills and knowledge obtained in the previous woodworking classes. Students will use more advanced techniques to complete their projects. **Prerequisite: Successful completion of Wood 2.**

Art

ADVANCED POTTERY 2 & 3 CP
(Grade 10, 11, 12) One Semester Course/.5 credit
This course will have students utilize and reinforce fundamental hand-building construction, as well as wheel-thrown forms. There are opportunities in this course for students to develop a larger ceramic portfolio and create projects based on their creative interests. A high degree of importance will be placed on craftsmanship. **Prerequisite: Must have completed Pottery 1 with a B or better and receive teacher approval on the appropriate Advanced Art registration form.**

ADVANCED STUDIO ART CP
(Grade 11, 12) One Semester Course/.5 Credit
This course is designed for advanced art students with previous experience in studio art. It provides an opportunity for students to explore selected two-dimensional media, such as drawing, painting, printmaking, or mixed-media, at a more advanced level. This is a good course for students who have a deep personal interest in visual art and/or wish to pursue an art-related career. **Prerequisite: Earn a 70% or better in at least two visual art electives and receive teacher approval on the appropriate Advanced Art registration form.**

AP ART HISTORY
(Grade 10, 11, 12) Full Year Course/ 1 Credit
In this Advanced Placement (AP) course, students will explore visual artworks from the ancient times through modern society and across various cultures. The main goals include understanding the purpose and function of art, appreciating various processes used to create art, analyzing art in historical contexts, and developing higher order thinking skills through verbal and written communication about the arts. Instruction will reflect similar courses taught at the college level so that students have an opportunity to take and pass the AP Art History exam for college credit. Students are required to take the AP exam at the end of the course. Please note that this is not a studio based course; traditional hands-on art skills are not necessary. Approval from a social studies or art teacher is required to register for this course. This class may only be taken one time.

ART FOUNDATIONS
(Grade 9, 10) One Semester Course/.5 Credit
In this course, students will learn, know, and demonstrate the elements and principles of art through the creation of original artworks in a variety of media and through traditional classroom assessments. Artists and art movements from different periods will enhance and influence each unit of study. Art Foundations prepares students for upper level elective art courses and serves to fulfill the graduation requirement for the arts and humanities. It is the perfect course for beginning artists to build a foundation of basic art skills. This class may only be taken one time.

ARTISAN CRAFTS
(Grade 10, 11, 12) One Semester Course/.5 Credit
Crafts include artistic traditions that encompass ancient art forms and modern techniques. In this course, students will explore crafting techniques with jewelry, basket-weaving, recycled materials, book-binding, quilting, and more. Both form and function will be considered and discussed in student work.
Lab Fee: $35 per student. This class may only be taken one time.

COMMERCIAL PHOTOGRAPHY
(Grade 10, 11, 12) One Semester Course/.5 Credit
This course will focus on digital media and the process of creating images for promotional marketing and commercial production. Students will be taught the conceptual tools required to learn the language of visual imagery and the basics of digital media production for commercial use. There will be an emphasis on client relationships as real-world job opportunities are explored. This course will run in close collaboration with Broadcast Video to offer collaborative learning experiences. Students will also analyze the cultural and historical context of such works and how visual culture has shaped our history.
Prerequisite: Must have taken at least one of the following courses: Visual Communications 1, Broadcast Video 1, or Photography 1. This class may only be taken one time.

DRAWING & COMPOSITION
(Grade 10, 11, 12) One Semester Course/.5 Credit
This course emphasizes drawing as the basis of all art and is a great course for anyone who wants to improve their ability to render objects. Drawing skills will be taught through creative problem solving, perceptual exercises, figure drawing and visual expression. Students will explore a wide variety of drawing tools, media, concepts and techniques. Keeping a sketchbook is a requirement for this course. This class may only be taken one time.

PAINTING
(Grade 10, 11, 12) One Semester Course/.5 Credit
Painting is a medium that allows an artist to explore their ideas and emotions through color value, texture, representation, and/or abstraction. In this course, students will work with ink watercolor, tempera, and acrylic to create their own visual expressions. Both realism and abstraction will be explored as students learn techniques, vocabulary, and art styles throughout the semester. Skill development will be emphasized through the creation of several original paintings. It is recommended that students are comfortable with their drawing skills before enrolling in this course. This class may only be taken one time.

POTTERY
(Grade 10, 11, 12) One Semester Course/.5 Credit
Hand-building techniques will be explored along with various types of sculpture. Both traditional and contemporary pottery will be studied as well as glazing and firing techniques. This class may only be taken one time.

SCULPTURE

(Grade 10, 11, 12) One Semester Course/.5 Credit

This course explores examples of sculpture from prehistoric times to the modern era. Student-built projects will be constructed of a variety of materials and will focus primarily on figurative, animal, and abstract sculpture. Students will learn to construct various sculptural forms including the bust, free-standing sculpture-in-the-round, and relief sculptures.

Business

ACCOUNTING 1 CP
(Grade 10, 11, 12) Full Year Course/1 Credit
Accounting 1 will allow the student to build on basic math skills while learning overall accounting concepts, principles, and automated accounting procedures. This course is designed to help students learn how accounting relates to different careers, learn accounting terminology, and apply accounting procedures. Accounting 1 will provide students with an understanding of the accounting principles, cycle, and equation which are essential for success in other courses and in office careers.

ACCOUNTING 2 Honors
(Grade 11, 12) Full Year Course/1 Credit
This course is designed for the serious business student who would like to enhance his/her marketable business skills or for the student who wants to build a stronger foundation in business for college preparation. A review of Accounting 1 is followed by a more thorough understanding of the different phases of accounting. Departmentalized accounting and special adjustments as well as corporate accounting are just some of the topics covered in this advanced, honors-level course. The course will provide students with both manual and automated accounting procedures. Accounting 2 students will study for and complete an IRS certification test for personal tax returns as part of the VITA volunteer tax prep program at CCHS. They will also complete tasks relating to the VITA program during class time. No VITA work is required of students outside of school hours.
Prerequisite: Successful completion of Accounting 1 with a B-or higher.

ADVERTISING
(Grade 10, 11, 12) One Semester Course/.5 Credit
This project-centered course challenges students to learn the various ways that an idea, good, or service can be successfully promoted. From budget preparation to virtual advertising, students will learn the concepts, terms and principles that help guide organizations in this very competitive industry. Students in this class will be involved with real-life projects that will challenge them to apply their learning in order to become successful.

AP BUSINESS WITH PERSONAL FINANCE
(Grade 11) Full Year Course/1 Credit
AP Business with Personal Finance is an introductory, college-level business and personal finance course. Students explore the business disciplines of entrepreneurship, marketing, finance, accounting, and management through real-world business application, case studies, and project-based learning. Students are required to take the AP Business and Personal Finance exam as scheduled by the College Board. This course may count toward the Saving, Investing, and Financial Decisions requirement.
Starting in the 2027-2028 school year, this course will be available for both grades 11 and 12.

BUSINESS AND CAREER DEVELOPMENT

(Grade 9, 10) One Semester Course/.5 Credit

Business and Career Development introduces high school students to the basics of starting a business, including developing entrepreneurial abilities, identifying a business opportunity, and creating a business plan. In addition, the course equips students with the tools needed to focus on their career goals and the skills required to earn and keep a job. Students will develop their personal brand with strong job-hunting tools including expanding their soft skills, creating a resume, and completing a mock job interview.

BUSINESS AND PERSONAL LEADERSHIP

(Grade 10, 11, 12) One Semester Course/.5 Credit

This course is designed to prepare students for immediate leadership roles in school and within extracurricular and community activities and for future academic, career, and citizenship responsibilities. Students will be in charge of organizing and implementing a class project focused on community service while they learn to be an effective leader.

BUSINESS MANAGEMENT

(Grade 10, 11, 12) One Semester Course/.5 Credit

This course will give students an understanding of the nature and purpose of business management while developing the needed technical knowledge and skills. Students will be actively introduced to business management concepts and principles by managing their own business through the use of VIRTUAL BUSINESS MANAGEMENT software. This class is an excellent choice for those students interested in pursuing a career in business.

BUSINESS AND PERSONAL LAW

(Grade 11, 12) Full Year Course/1 Credit

This course provides an introduction to business and personal law. Major topics covered are ethics and law, the court system, criminal law, torts, contracts, and consumer protection. Current events and court cases are discussed in relation to the material covered. Observing a trial in progress and holding a mock trial are planned.

ENTREPRENEURSHIP

(Grade 10, 11, 12) One Semester Course/.5 Credit

This course is designed to introduce students to the concept of entrepreneurship. It will take students through the process of opening and owning their own business. Students will develop a business plan for their own product or service idea that includes identifying who their potential customers are, marketing their product/service, determining their financial needs, and developing operational plans for the business.

FOUNDATIONS OF BUSINESS
(Grade 9, 10) One Semester Course/.5 Credit
Foundations of Business will expose students to the fundamentals of business. Topics include basic business concepts, organizational communication, human resources management, accounting and finance. The course is an excellent starting point for students considering a career in the business field, giving a brief sampling of the other business courses offered at Cedar Crest High School.

INTRODUCTION TO FINANCIAL ACCOUNTING CHS (*Independent Study*)
(Grade 11-12) Full Year Course/1 Credit
Introduction to Financial Accounting CHS is an **independent study** course available to students looking to get college credits in Accounting. This online-driven, content-heavy class challenges students with varied assessments, classwork, and discussions. Topics covered include financial statements; analyzing and recording transactions; the adjustment process; completing the accounting cycle; merchandising transactions; fraud, internal controls, and cash; accounting for receivables; inventory; long-term assets; current and long-term liabilities; and statement of cash flows. Students have the opportunity to be enrolled in the College in the High School program between Cedar Crest High School and the University of Pittsburgh.

MARKETING
(Grade 10, 11, 12) One Semester Course/.5 Credit
The marketing course will combine business, economic, advertising, and other financial concepts to guide students on an exploration of the world of Marketing. Students will learn the various ways that businesses and organizations help a product get into the hands of the ultimate consumer. From research to pricing, students will learn the fundamental concepts, terms, and practices used for the promotion and advertising of goods and services in the modern world.

SAVING, INVESTING, AND FINANCIAL DECISIONS
(Grade 11, 12) One Semester Course/.5 Credit
This course provides students with knowledge needed to make informed personal financial decisions throughout their lives. Students will develop basic financial literacy including saving, budgeting, interest, risk, and financial goal setting. They will learn about stocks, bonds, and mutual funds, as well as bank and retirement account options. This course will also include introductory information pertaining to effective use of credit, credit scores, loans, personal taxes, insurance products, major purchases, and student loans.

Business: Computer Applications

COMPUTER LITERACY BASICS
(Grade 9, 10, 11, 12) One Semester Course/.5 Credit
This introductory course will provide students with the opportunity to develop basic skills in keyboarding, computer use, and Microsoft Office applications. Emphasis will be placed on obtaining a satisfactory level of keyboarding speed and accuracy, a general understanding of Windows applications, and the ability to utilize the basic features of Word, Excel, and PowerPoint. This class is designed for students who have not taken a Business Department computer class at the high school level.

MICROSOFT OFFICE APPLICATIONS - CORE
(Grade 9, 10, 11, 12) One Semester Course/.5 Credit
This course will provide students with intensive training toward core-level expertise in utilizing the following programs in Microsoft Office: Word, Excel, PowerPoint, and Access. Successful completion of this course allows students to take Microsoft Office Applications—Expert.

MICROSOFT OFFICE APPLICATIONS - EXPERT CP
(Grade 9, 10, 11, 12) One Semester Course/.5 Credit
This course will provide students with advanced intensive training in utilizing the following programs in Microsoft Office: Word, Excel, PowerPoint and Access. Students will be required to take at least one Microsoft Office Specialist (MOS) examination at student expense. Successful completion of examinations leads to certification in Microsoft programs.
Prerequisite: Microsoft Office Applications - Core.

English: Core Courses

AP ENGLISH - LANGUAGE AND COMPOSITION

(Grade 11, 12) Full Year Course/1 Credit

This college level course will engage students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectation, and subjects as well as the way generic conventions and the resources of language contribute to the effectiveness of writing. Students taking this course may complete a summer reading program. **Students are required to take the AP Language and Composition exam as scheduled by the College Board.**

AP ENGLISH - LITERATURE AND COMPOSITION

(Grade 12) Full Year Course/1 Credit

The college-level course will engage students in the careful reading and critical analysis of imaginative literature. Students will examine the great works of literature, drama, poetry and non-fiction, and respond analytically, both orally and in writing. Students taking this course may complete a summer reading program. **Students are required to take the AP Literature and Composition exam as scheduled by the College Board.**

ARGUMENT CHS

(Grade 12) One Semester Course / .5 Credit

This course, through the University of Pittsburgh, is designed to introduce students to the fundamentals of research and argument construction. Defense of an argument is presented both verbally and in writing. Topics of this course include an introduction to argument, types of argument, constructing an argument, research methods and evidence, delivery of argument, delivery and refutation of arguments, cross-examination, and evaluation or criticism of arguments. Builds on ENGL Comp 101, connecting thinking, reading, and writing. Students have the opportunity to be enrolled in the College in the High School program between Cedar Crest High School and the University of Pittsburgh. Students must take and pass English Composition 101 before enrolling in Argument. **Prerequisite: Students must earn a grade of C or higher in English Composition 101.**

ENGLISH 9 A

(Grade 9) One Semester Course/.5 Credit

This course will focus on developing the skills and strategies necessary for growth in reading, writing and oral communication. Emphasis will be placed on the analysis of fiction and nonfiction texts in preparation for the Keystone Exams.

ENGLISH 9 B
(Grade 9) One Semester Course/.5 Credit
This course will continue to develop skills acquired in English 9A with emphasis on analysis of longer fictional texts and further development of the writing process.

ENGLISH 9 CP 
(Grade 9) Full Year Course/1 Credit
This 9th grade college prep English course emphasizes correct grammatical usage and the mechanics of writing. Paragraph writing is reviewed after which the student writes longer compositions and learns to cite evidence in a formal response. Extensive examination of literature is stressed, including the novel, the short story, mythology, drama, and poetry. Public speaking is introduced. Vocabulary study is stressed and free reading is encouraged. Prerequisite: 70% or higher in grade 8 English.

ENGLISH 9 HONORS 
(Grade 9) Full Year Course/1 Credit
This course is an extension of the college preparatory course. The emphasis here is on depth as well as breadth. Course content includes correct grammatical usage and the mechanics of writing. Paragraph writing is reviewed after which the student writes longer compositions and learns to cite evidence in a formal response. Extensive examination of literature is stressed, including the novel, the short story, mythology, drama, and poetry. Public speaking is introduced. Vocabulary study is stressed and free reading is encouraged.

ENGLISH 10 A
(Grade 10) Fall Semester Course/.5 Credit
This course will prepare students for the Keystone Literature Exam at the end of the semester. Students will learn skills from all Common Core Standards – reading, speaking, listening, research, and writing. Fiction, non-fiction texts and poetry will be examined.

ENGLISH 10 B
(Grade 10) Spring Semester Course/.5 Credit
This course will apply the skills acquired in Literature Foundations 10 with emphasis on the writing process, while also honing skills from all Common Core Standards. Paragraph writing will be stressed, along with the study of the novel, drama and the research process.

ENGLISH 10A CP

(Grade 10) Fall Semester Course/.5 Credit

This course will prepare students for the Keystone Literature Exam at the end of the semester. Students will learn skills from the Common Core Standards – reading, speaking, listening and writing. Students will be familiar with narrative, persuasive, descriptive and expository pieces of writing. Through oral communication, vocabulary, and an appreciation of literature in fiction and non-fiction texts, and poetry, students will prepare for college.

ENGLISH 10B CP

(Grade 10) Spring Semester Course/.5 Credit

This course will apply the skills acquired in Literature Foundations 10 CP with emphasis on the five domains of writing and the research process. There will also be an emphasis on the study of the novel and drama. A research project will be given.

ENGLISH 10A HONORS

(Grade 10) Fall Semester Course/.5 Credit

This course will prepare students for the Keystone Literature Exam at the end of the semester. This course is an extension of the college preparatory course. The emphasis here is on depth as well as breadth. Students will learn skills from the Common Core Standards – reading, speaking, listening and writing. Fiction and non-fiction texts, and poetry will be examined.

ENGLISH 10B HONORS

(Grade 10) Spring Semester Course/.5 Credit

This course will apply the skills acquired in Literature Foundations 10 Honors with emphasis on the five domains of writing and the research process. There will also be an emphasis on the study of the novel and drama. A research paper will be given.

ENGLISH 11A

(Grade 11) Fall Semester Course/.5 credit

This fall semester course requires 11th grade students to learn various skills from the Common Core Standards (reading, speaking, listening, research, writing) in preparation to join the workforce or a trade school after graduation.

ENGLISH 11B – AMERICAN LITERATURE

(Grade 11) Spring Semester Course/.5 credit

In this spring semester course, students will study American Literature through a combination of writing and literature analysis. Included in the course will be short stories from Poe and other dark authors. Longer pieces may include The Crucible and A Streetcar Named Desire.

ENGLISH 11A CP – MODERN LITERATURE 1

(Grade 11) Fall Semester Course/.5 credit

The essence of this course is critical reading, writing and the discussion of select contemporary classics and modern novels. The term “contemporary classics” are books that are considered classic literature, but all published since the early 20th century. The focus of this class will be to pair a contemporary classic with a modern young adult novel; all book selections will be paired readings. This is a college prep level course, but will be very challenging.

Prerequisites: Advanced or proficient score on the Keystone Exam.

ENGLISH 11B CP – AMERICAN LITERATURE

(Grade 11) Spring Semester Course/.5 credit

This class offers junior college-prep students the opportunity to venture into the shadowy side of American Literature. Through a combination of writing and literature analysis, students will use the voices of authors, such as Arthur Miller, Ray Bradbury, and others, to analyze the human mind and human behavior. An emphasis on the writing process will be in the form of a research paper. The course includes exams and projects for assessment. Miller’s drama The Crucible and Bradbury’s dystopian novel Fahrenheit 451 are examples of the types of literature included.

ENGLISH 11A HONORS

(Grade 11) Fall Semester Course/.5 Credit

This honors-level course will engage students in fiction and non-fiction texts written in a variety of periods, disciplines, and contexts. Each student will be required to read and analyze a variety of literary texts, focusing on developing skills in synthesis, analysis, and public speaking.

ENGLISH 11B HONORS

(Grade 11) Spring Semester Course/.5 Credit

This honors level course will engage students in fiction and non-fiction texts written over various periods and disciplines. Students will study the connection among the writer's purpose, audience expectation, and subject. Students will continue to build on writing skills developed in English 11 Honors A to create essays and research papers.

English 12A CP

(Grade 12) Fall Semester Course/.5 Credit

In this writing-intensive course, students will use the drafting and editing process to complete various writing assignments while also hone research and documentation skills. Students will also be introduced to the Anglo Saxon and Middle Ages time periods in British literature to gain an appreciation of how world growth and leadership affected the English language and literature.

ENGLISH 12B CP – BRITISH LITERATURE

(Grade 12) Spring Semester Course/.5 Credit

While studying British literature of the Renaissance and beyond, students will compare, contrast, synthesize, and analyze pieces to gain an appreciation of how world growth and leadership affected the English language and literature. Instruction will focus on implementing the foundations of poetry, satire, and drama. Writing assignments will analyze the foundations reflected in the works of literature being studied.

ENGLISH 12B CP – MODERN LITERATURE 2

(Grade 12) Spring Semester Course/.5 Credit

Modern Literature 2 is a course in critical reading, writing and discussion of a selection of contemporary classic and modern novels, which is a continuation of Modern Literature I. We will examine the texts from multiple viewpoints, examining the works for not only themes, narratives, and writing style, but we will also apply a variety of critical theories to the works. The texts, discussions and formats are different from those experienced in a typical high school English class. The student taking this course can be expected to be challenged; all reading will be done outside class.

ENGLISH 12B CP – SHAKESPEARE SEMINAR

(Grade 12) Spring Semester Course / .5 Credit

The Shakespeare Seminar course is one that focuses on critical reading, writing, and discussion on the works of William Shakespeare. Students will explore a selection of his comedies, tragedies, and histories, studying each play for its themes, characters, language, and historical context. In addition, the course will examine how Shakespeare's works have been interpreted and performed in modern settings, including film and stage adaptations. This seminar emphasizes close reading, thoughtful discussion, and analytical writing. Students will engage with Shakespeare's texts from multiple perspectives including literary, cultural, and performative, and students will develop a deeper understanding of why his works are still important today.

ENGLISH 12 CP – SPEECH

(Grade 12) Fall or Spring Semester Course/.5 Credit

This class is a practical course designed to offer the novice speaker opportunities to organize and prepare public speaking assignments. The class offers students specific technical, physical, and rhetorical strategies to improve their ability to speak effectively in front of an audience. The course will also offer a "laboratory setting" where beginning speakers can actually stand in front of the live audience in class and present their practiced performances. This qualifies as a half credit of senior year English.

ENGLISH 12A HONORS

(Grade 12) Fall Semester Course/.5 Credit

This course focuses on a theoretical foundation of literary analysis, with a focus on making connections over broad spans of time. This course will utilize short stories, a Shakespeare piece, a selection of nonfiction texts, as well as modern media, to name a few. A student can expect assessments to vary by way of projects and essays, but will all be centered on analysis of literature. This course will incorporate several of the aspects of the Humanities that include philosophy, politics, religion and history, to provide context and deep meaning.

ENGLISH 12B HONORS

(Grade 12) Spring Semester Course/.5 Credit

This course focuses on a theoretical foundation of literary analysis, with a focus on making connections over broad spans of time. This course will utilize short stories, classical texts such as Dante's *Inferno*, as well as a selection of plays, to name a few. A student can expect assessments to vary by way of projects and essays, but will be centered on analysis of literature. This course will incorporate several aspects of the Humanities including philosophy, politics, religion and history, to provide context and deep meaning.

ENGLISH COMPOSITION 101 CHS

(Grade 12) One Semester Course/.5 Credit

This AP-weighted course is designed for students ready for the experience of an introductory college composition course. This foundational course will focus on expository writing and research, preparing students for actual writing situations encountered in all college courses, not just those in English. With a focus on writing, students will leave the course with a strong basis for college level writing and have a portfolio of their writing. Students have the opportunity to be enrolled in the College in the High School program between Cedar Crest High School and Lebanon Valley College. Students will qualify through placement testing. Three (3) college credits through LVC will be awarded to students who successfully complete the course with a grade of C or higher. This class qualifies for one half credit of senior year English. Students must take English Composition 101 before enrolling in Argument.

PRACTICAL ENGLISH A

(Grade 12) Fall Semester Course/.5 credit

This non-fiction-based course for seniors emphasizes real-world applications of professional and technical writing. Students will have the opportunity to refine and deliver their ideas through writing reports, instructions, advertisements, and e-mails with attention to task and audience. An instruction manual will be a major project for the class.

PRACTICAL ENGLISH B

(Grade 12) Spring Semester Course/.5 Credit

This course will focus on preparing students for their future careers – whether the will be entering a trade school, the military or the work force after graduation. Students will strengthen their reading, writing, and speaking skills as these tools pertain to their various occupations. Students will learn and apply technical reading and writing skills and strategies. Students will read applicable literature and writing related to their interests.

SPEECH HONORS

(Grade 12) One Semester Course/.5 Credit

This honors-level course will meet half of the 12th grade English requirement. The course is built around the deep inquiry into rhetorical analysis and the intensification of ideas and style, with emphasis upon persuasive speaking. Attention will be given to specialized forms of public address and will include lecture, discussion, research, presentations, and writing scholarly papers. The course will teach the fundamentals of conducting scholarly research, accepted citation standards, and effective writing techniques for the communication discipline and teaches preparation, presentation, and appraisal of speeches on contemporary subjects. Students enrolled in this course are eligible to compete in local and regional forensics competitions. This class qualifies for one half credit of senior year English.

English: Elective Courses

The following courses do NOT count toward the minimum 4.0 credits of English required for graduation as they are elective options only.

BROADCAST VIDEO PRODUCTION 1

(Grade 9, 10, 11, 12) One Semester Course/.5 Credit

This one-semester course introduces students to the fundamentals of video production, with a focus on visual storytelling through effective pre-production strategies. Students will learn basic camera techniques and settings to create professional-quality film projects. Additionally, they will gain hands-on experience with industry-standard editing software, Adobe Premiere Pro. Upon completion, students will be eligible to advance to Broadcast Video 2.

BROADCAST VIDEO PRODUCTION 2 CP

(Grade 10, 11, 12) Full Year Course/1 Credit

Building on the foundational video and audio production skills learned in the prerequisite course, students will apply and expand their knowledge by creating, organizing, and producing content for both productions and social media platforms. In this course, students will work collaboratively in a studio setting, take on leadership roles, and make critical technical decisions under pressure. By the end of the course, students will have developed the communication and technical skills necessary to succeed in a media-driven society. Students are required to spend additional time outside of class filming and editing. Upon successful completion of this course, students will be eligible to advance to Broadcast Video 3.
Prerequisite: Must earn an 80% or higher in Broadcast Video 1 or receive teacher approval.

BROADCAST VIDEO PRODUCTION 3 CP

(Grade 11, 12) Full Year Course/1 Credit

This course provides students with advanced opportunities to engage in professional-level video production. Students will work as part of a production company to create content for *CCHS Today*, *The Crest*, *Wingspan*, *Talon Talks*, social media, and athletic livestreams. In addition, students will be expected to master the use of Adobe Premiere and other Adobe software programs. Given the demanding nature of the course, students are required to dedicate significant time outside of class to film and edit projects in order to meet deadlines. *BV3* students will also participate in a variety of high-stakes national competitions. Prerequisites for this course are Broadcast Video 1, Broadcast Video 2, and teacher approval. **Prerequisite: Must earn an 80% or higher in Broadcast Video 2 or receive teacher approval.**

CREATIVE WRITING CP 

(Grade 11, 12) One Semester Course/.5 Credit

This course will focus on the fundamentals of creative writing. Utilizing the writing process, students will learn to write in a variety of genres. Designed to be a workshop setting, students will develop into a community of writers through participation in peer review and sharing of writing. Students are required to read aloud and share their writing. Journaling and workshop practices of various skills will be used to strengthen student writing. This course does have a reading and research component.

HUMANITIES CP
(Grade 11, 12) Full Year Course/1 Credit
The Humanities express and explore what it means to be human through words, ideas and images. They empower us to create our sense of self, to shape the world around us, to appreciate how the past has shaped the present, and to be creative in all that we do. The Humanities are central to a general education, one that prepares us for lives and careers. The Humanities Elective will give you the freedom to explore how art, religion, philosophy, music and literature have impacted the world in which we live. Techniques of learning include class projects, generative discussion, lectures, and speakers.

INTRODUCTION TO MASS MEDIA
(Grade 9, 10, 11) One Semester Course/.5 Credit
This **intensive writing course** prepares students to become staff members of The Talon, the school newspaper, and The Cedar Log, the yearbook. Students will learn to write news articles, feature stories, take and edit digital photographs, and design pages.

NEWSPAPER PRODUCTION HONORS
(Grade 10, 11, 12) Full Year Course/ 1 Credit
Newspaper Production students will become staff writers, photographers and/or page editors of the student newspaper, The Talon. Students will be required to prepare the first issue prior to the start of the school year. **Prerequisite: Introduction to Mass Media or teacher approval.**

THEATER: ACTING/DIRECTING/PLAYWRITING
(Grade 10, 11, 12) One Semester Course/.5 Credit
Students will study the components of theater - acting, directing and playwriting. Students will learn monologue, scene study and playwriting skills. Students will learn the various directing techniques of blocking, casting and set design.

YEARBOOK PRODUCTION CP
(Grade 10, 11, 12) Full Year Course/1 Credit
In this course, students will become staff writers, photographers and/or page editors of the school yearbook, The Cedar Log. Editors-in-Chief will be eligible for an honors option which includes summer planning sessions and additional reading requirements throughout the year.
Prerequisite: Introduction to Mass Media or teacher approval.

Family and Consumer Science

FASHION APPAREL, AND TEXTILES
(Grade 9, 10, 11, 12) One Semester Course/.5 Credit
This course is designed for students who have an interest in fabrics, fabric crafts, clothing design, and creation. Students will learn the fashion process from product sketches, design, through to product completion in the sewing lab. Students will have the opportunity to complete a variety of projects based on their interests and experience level. In this course, students will also learn about the careers related to fashion, textiles, and the skills required.

FOODS I
(Grade 9, 10, 11, 12) One Semester Course/.5 Credit
This course provides students with an introduction to the world of culinary arts. Students will combine classroom instruction with food laboratory experiences to learn basic food preparation. Emphasis is placed on a variety of foods including quick breads, fruits and vegetables, meats, and dairy products. Nutrition is embedded within each unit. Students will explore the many career opportunities related to culinary arts. An introductory unit emphasizing safety in the kitchen, safe handling of food, measuring, cooking and baking terminology, the correct use of equipment, and techniques and application of basic lab skills will lay the groundwork for all food laboratories.

FOODS II CP
(Grade 9, 10, 11, 12) One Semester Course/.5 Credit
This course expands the basic food preparation skills and techniques learned in Foods I to a more advanced level through the use of classroom instruction, teacher demonstrations, and laboratory experiences to fine tune advanced cooking skills and food presentation. Topics include: preparation of pastries, meats, eggs, fruits and vegetables, and dairy products. Additional topics that may be included are American regional cuisine, global cuisine, meal management, and culinary careers.
Prerequisite: Completion of Foods I with a 70% or higher.

HOUSING AND INTERIOR DESIGN
(Grade 9, 10, 11, 12) One Semester Course/.5 Credit
Housing and Interior Design is a creative based course intended to explore the human need for housing, the physical structure of housing, as well as the vision required for the aesthetic choices of interior design. You will learn and apply the elements and principles of home and interior design to create beautiful and functional home spaces through textures, colors and other artistic elements.

PRESCHOOL CHILD

(Grade 11, 12) Full Year Course/1 Credit

It is a practical course designed for all students who are interested in children and the wide variety of careers involving children. You will understand the physical, intellectual, emotional, social and moral development of the preschool age child, ages 3 to 5. You will evaluate a variety of curriculum strategies, child development theories and complete projects in each subject area identified with the learning process: art, math, science, language development, dramatic play, music and movement, toys, books, and technology. There will be observations of children and interaction with the preschool age children in the department's child development laboratory. You will be responsible for developing lesson plans for the preschool lab which will operate the second semester. Students will work cooperatively with class members to provide a positive and exciting learning environment for the preschool age child. Preschool runs periods 4 and 5 during the second semester; therefore students must schedule a lunch.

Prerequisites: Grade of 80% or better has been earned in Understanding Children and pre-approval from preschool child course instructor is required. A lab fee for staff shirts will be charged.

TOOLS FOR SUCCESS

(Grade 9, 10, 11, 12) One Semester Course/.5 Credit

In this course, you will be introduced to a variety of areas within the area of Family and Consumer Sciences that will help you become a more responsible teenager and young adult within society. Topics to be addressed include personal finance, consumer rights and responsibilities, workforce preparedness, careers, decision-making skills, nutrition, food safety and handling, clothing care, and child development. Completion of this course will enable you to achieve a level of confidence in dealing with life's daily situations within family, work, and the community. This course was previously called Family and Consumer Sciences.

UNDERSTANDING CHILDREN

(Grade 10, 11, 12) One Semester Course/.5 Credit

The course is designed for all students interested in working professionally with children in early childhood education, elementary education, child psychology, child care and parenting. Students will study the child from birth to age six, and school readiness. Social, emotional, physical, and intellectual growth will be emphasized. How children learn and the influences that affect the growth and development of children will be studied. The course provides students with opportunities to observe infants through kindergarten age and to gain practical experience working with preschoolers in an actual play-school situation in the preschool child development lab. Developing a community educational program, appropriate for the child's age, will be implemented either in a nursery school setting or public school kindergarten and first grade.

Health and Physical Education

ADAPTED PHYSICAL EDUCATION
(Grade 9, 10, 11, 12) As needed/.5 Credit
Adapted Physical Education is available to any student who cannot participate in regular physical education classes due to an injury, illness, or medical/psychological condition. A variety of modified games and therapeutic activities are offered for short-term or long-term students. Medical certification or referral is required.

GENERAL PE
(Grade 9, 10, 11, 12) One Semester Course/.5 Credit
Course content includes team activities, individual activities, outdoor education, and fitness. Many of the activities that the students will participate in will expose/introduce the students to many of the activities offered in our electives.

HEALTH
(Grade 10) One Semester Course/.5 Credit
All 10th grade students are required to take one semester of Health Education. Course content includes (1) wellness, (2) addiction, (3) nutrition, (4) human sexuality (5) aging, death and dying. This course is a graduation requirement.

INTRAMURAL SPORTS
(Grade 9, 10, 11, 12) One Semester Course/.5 Credit
This course is geared towards individuals who want to be a part of a fun and competitive environment, with a strong focus on teamwork and positive sportsmanship. Students will have the opportunity to develop skills and learn strategies in both individual and team sports. Individuals involved will also develop a deeper knowledge of the rules of a variety of different team and individual sports. This course will include, but not limited to, the following sports: Flag Football, Basketball, and Floor Hockey. Other team/individual sports may be considered.

LIFEGUARDING CERTIFICATION
(Grade 9, 10, 11, 12) One Semester Course/.5 Credit
Lifeguarding is designed to provide entry-level lifeguard participants with the knowledge and skills to prevent, recognize and respond to aquatic emergencies, injuries and sudden illnesses until emergency medical services (EMS) personnel arrive and take over the emergency situation. This course will teach the skills necessary for a student to earn an American Red Cross lifeguard certification. Students must attend all classes, pass all tests, and competently perform required skills in order to receive certification at the end of the course. Payment and attendance does not guarantee certification. This course also includes training in First Aid/ CPR/AED for Professional Rescuers. **Students MUST turn 15 years old by May 1st of the school year in which they are taking this course.**

LIFETIME ACTIVITIES

(Grade 9, 10, 11, 12) One Semester Course/.5 Credit

This course is designed for students to experience low impact fitness activities on an individualized basis. Course activities include, but are not limited to fitness walking, fitness activities, aquatics, yoga, exercise workouts, geocaching and small group/game activities.

NET/WALL GAMES

(Grade 9, 10, 11, 12) One Semester Course/.5 Credit

This course is designed for students to continue to develop and improve the skills and knowledge necessary to participate successfully in a variety of racquet sports and or net sports. Participation will result in a better understanding of activities for lifelong fitness. Students will learn more advanced skills and strategies and demonstrate them in game situations. Students will participate in tennis, pickleball, badminton, handball, table tennis and volleyball.

PERFORMANCE STRENGTH TRAINING

(Grade 9, 10, 11, 12) One Semester Course/.5 Credit

This course is designed for the competitive athlete. Programming is geared towards both the in-season and off-season athlete and will work around individual sport game schedules. Sprint training, plyometrics, and jumping skills will be emphasized to improve explosiveness and overall speed. Appropriate strength program design, nutrition, and mobility are components of the course. Student-athletes will utilize software to track progress towards set goals. This course will keep student-athletes progressing forward both in the off-season and during season play. **Note: This course is for athletes participating in at least one sport at CCHS. Students must earn an 80% or better in PST the previous year if looking to add PST to their schedule again.**

PHYSICAL EDUCATION / DRIVER EDUCATION

Grade (10, 11, 12) One Semester Course/.5 Credit

The Driver Education portion of this course consists of classroom instruction that meets the Pennsylvania Department of Motor Vehicles requirements for the classroom component necessary to obtain a Senior License; however, please note that this course does not include behind-the-wheel training. The Physical Education portion will focus on developing skills and fitness through participation in a variety of lifetime activities and games that promote health, teamwork, and an active lifestyle. **This course may not be repeated.**

SPORTS OFFICIATING

(Grade 10, 11, 12) One Semester Course/.5 Credit

This course is for those who are interested in learning the rules of various PIAA sports. Stu-dents who complete the course will have the option of becoming certified as a PIAA official in one or more of the studied activities. This course will also cover the basic requirements, knowledge, skills and mechanics necessary to be an official for each sport studied. Potential sports that will be covered include basketball, soccer, softball and baseball. This course provides students with an outstanding way to get involved, give back to the community and earn money as a sports official.

STRENGTH TRAINING

(Grade 9, 10, 11, 12) One Semester Course/.5 Credit

This weight training course is designed for highly motivated students who do not play school sponsored sports and will give them the opportunity to train during the school day to achieve personal goals. This course is geared towards all levels of weightlifters and individuals interested in focusing on personal fitness. No experience is needed. This course will incorporate general knowledge on appropriate programming, muscles, nutrition, and mobility.

Note: This course is for students NOT participating in a sport at CCHS.

Mathematics

AP CALCULUS AB

Full Year Course/1 Credit

This Advanced Placement (AP) course in mathematics consists of a full high school academic year of work in calculus that is comparable to courses in colleges and universities. It is expected that students who take an AP course in calculus will seek college credit, college placement, or both, from institutions of higher learning. The majority of the year will be devoted to a rigorous study of topics on limits, and differential and integral calculus, as well as a focus on successful completion of the AP exam. A graphing calculator will be required for all students enrolled in this course. Students enrolled in this course must take the AP Calculus AB exam as scheduled by the College Board. **Prerequisite: Successful completion of Pre-Calculus Honors or an A- in Pre-Calculus CP and teacher recommendation.**

AP CALCULUS BC

Full Year Course/1 Credit

This Advanced Placement (AP) course in mathematics consists of a full high school academic year of work in second year calculus that is comparable to courses in colleges and universities. It is expected that students who take an AP course in calculus will seek college credit, college placement, or both, from institutions of higher learning. Topics include advanced integration techniques, advanced integral applications, series, and differential and integral calculus as it applies to parametric, polar, and vector functions. A graphing calculator will be required for all students enrolled in this course. Students must take the AP Calculus BC exam as scheduled by the College Board.

Prerequisite: Successful completion of AP Calculus AB.

AP STATISTICS CHS

Full Year Course/1 Credit

This Advanced Placement (AP) course in mathematics consists of a full high school academic year of work in statistics that is comparable to courses in colleges and universities. It is expected that students who take an AP course in statistics will seek college credit, college placement, or both, from institutions of higher learning. This course includes numerical and graphical summaries of data, experimental design, probability, sampling distributions, confidence intervals, tests of significance, and other statistical operations and tests used in descriptive and inferential statistics. A graphing calculator will be required for students enrolled in this course. Students in this course may volunteer to be enrolled in the College in the High School program between Cedar Crest High School and Harrisburg Area Community College. For additional information, please see the section describing College in the High School in the front of this booklet. Students may choose to take this course for College in the High School credit through HACC or must take the AP Statistics exam as scheduled by the College Board. HACC may require some students to complete a placement test to enroll in this course for CHS credit.

Prerequisite: Successful completion of Algebra 2 Honors, or Pre-Calculus Honors, or Pre-Calculus CP with a final grade of A- or higher and teacher recommendation.

ALGEBRA 1A
One Semester Course/ .5 Credit
This course is designed to focus on the eligible content anchors for the Algebra 1 Keystone Exam. Major topics include Operations with Real Numbers, and Linear Equations and Inequalities. There is a focus on real world applications and the use of technology to assist learning and promote student achievement.

ALGEBRA 1B
One Semester Course/ .5 Credit
This course is designed to focus on the eligible content anchors for the Algebra 1 Keystone Exam. Major topics include an Introduction to Functions, Graphing Linear Equations, Interpreting Graphs, and Probability. There is a focus on real world applications and the use of technology to assist learning and promote student achievement. **Prerequisite: Completion of Algebra 1A OR Completion of Algebra 1 CP A and Recommendation of Algebra 1 CP A Teacher.**

ALGEBRA 1C
Full Year Course/1 Credit
This course is designed to focus on the eligible content anchors for the Algebra 1 Keystone Exam. Major topics include Graphing Linear Inequalities, Writing Equations of Lines, Systems of Equations and Inequalities, Polynomials and Factoring, and Data Analysis. There is a focus on real world applications and the use of technology to assist learning and promote student achievement. **Prerequisite: Successful completion of Algebra 1B OR Recommendation of Algebra 1 CP B Teacher.**

ALGEBRA 1A CP
One Semester Course/.5 Credit
This course is designed for students interested in a college prep approach to Algebra. It is a study of the basic structure of Algebra, and the major topics include Linear Equations and Inequalities, Exponents, Absolute Value, and an introduction to Functions. Graphing calculators will be used in this course. **Prerequisite: Completion of Math 8A with a final grade of C (75%) or higher and teacher recommendation.**

ALGEBRA 1B CP
One Semester Course/.5 Credit
This course is designed for students interested in a college prep approach to Algebra. It is a study of the basic structure of Algebra, and the major topics include Graphing Linear Equations and Inequalities, Writing Equations of Lines, Systems of Equations and Inequalities, Polynomials and Factoring, and Data Analysis. Graphing calculators will be used in this course. **Prerequisite: Completion of Algebra 1 CP A with a final grade of C (75%) or higher and Recommendation of Algebra 1 CP A teacher.**

ALGEBRA 1 HONORS
Full Year Course/1 Credit
This course is designed for students who are interested in an Honors level approach to Algebra. The course is a study of the basic structure of Algebra that is conducted at a faster rate and with greater depth than our other Algebra 1 offerings. Graphing calculators will be used in this course.
Prerequisite: Student should have scored a 93% or above in Math 8A.

ALGEBRA 2
Full Year Course/1 Credit
This course will review and extend concepts developed in Algebra 1A, Algebra 1B, and Algebra 1C. Additionally, it will include topics such as polynomials, rational expressions/equations, quadratic functions, and probability and statistics. Graphing calculators will be used in this course.
Prerequisite: Successful completion of Algebra 1C.

ALGEBRA 2 CP
Full Year Course/1 Credit
This course is designed for students who have successfully completed Algebra 1 CP. The course will review and extend the concepts developed in Algebra 1 CP. Additional topics include the basic operations of polynomials and rational expressions. Graphing calculators will be used in this course.
Prerequisite: Successful completion of Geometry CP, or successful completion of Geometry CP concurrently.

ALGEBRA 2 HONORS
Full Year Course/1 Credit
This course will review and extend the topics developed in Algebra 1 and Geometry in preparation for more advanced study in Pre-Calculus and beyond at the Honors level. A graphing calculator will be required for all students enrolled in this course. **Prerequisite: Geometry Honors or Geometry CP with a final grade of A- or higher and teacher recommendation.**

ALGEBRA 3 CP
Semester Course/ .5 Credit
This course is intended to serve as a bridge from Algebra 2 to College Algebra, whether that course is taken at Cedar Crest or in an institution of higher learning. Topics presented in the course include functions and graphs, polynomial and rational functions, exponential and logarithmic functions, and radical functions. A graphing calculator will be used in this course.
Prerequisite: Successful completion of Honors Algebra 2 OR Algebra 2 CP and Geometry CP OR successful completion of Algebra 2 and Geometry with teacher recommendation.

BUSINESS CALCULUS CHS

Full Year Course/1 Credit

This course is a college Business Calculus course designed for students who have completed Pre-Calculus. It is geared toward students who have an interest in business or non-math/science fields, want to strengthen their mathematical skills before taking Calculus in college, and/or want to receive college math credit. There will be an emphasis on elementary functions and basic differential and integral calculus concepts including limits, continuity, derivatives, integrals, and area under curves. Applications of derivatives including curve sketching, related rates, marginality, and optimization will be covered. Students have the opportunity to be enrolled in the College in the High School program between Cedar Crest High School and University of Pittsburgh. If opting for the college credit option, students must pass a placement test for Pitt with a 61% or higher before mid-September of the year enrolled in the course. Students will receive more information about placement testing toward the end of their Pre-Calculus course. For additional information about College in the High School classes, please see the appropriate section in the front of this document. **Prerequisite: Successful completion of Pre-Calculus CP.**

CALCULUS HONORS

Full Year Course/1 Credit

This course is designed for students who have successfully completed Honors Pre-Calculus and are not interested in taking the AP exam. There will be emphasis on elementary functions and basic differential and integral calculus concepts including limits, derivatives, definite integrals, and area under curves. The application of derivatives and integrals will also be studied. A graphing calculator will be required for all students enrolled in the course. **Prerequisite: Successful completion of Pre-Calculus Honors or an A- in Pre-Calculus CP and teacher recommendation.**

COLLEGE ALGEBRA CHS

(Grade 12) One Semester Course/.5 Credit

This is a college level course in Algebra, developing ideas in the following topics on a level on par with the typical college course taken in Algebra: Equations and Inequalities, Graphs, Functions and Their Graphs, Polynomial and Rational Functions, Exponents and Logarithmic Functions, and Systems of Equations and Inequalities. Students have the opportunity to be enrolled in the College in the High School program between Cedar Crest High School and Harrisburg Area Community College. CHS students will qualify through placement testing. Three (3) college credits through HACC will be awarded to students who successfully complete the course with a grade of C or higher. This class qualifies for one half credit of senior year mathematics. **Prerequisite: Students must pass Pre-Calculus or Algebra 3 CP and any HACC placement tests required.** Students may take concurrently with Pre-Calculus Honors.

GEOMETRY
Full Year Course/1 Credit
This course is an informal approach to the study of shapes on a plane and in space. Throughout the course, emphasis will be placed on notation, observation, measurement, and the problem solving skills needed in many technical professions. This course is recommended for students who are not ready for the challenge of academic Geometry but wish to be exposed to the topics of Geometry.
Prerequisite: Successful completion of Algebra 1C.

GEOMETRY CP
Full Year Course/1 Credit
This course will provide students with the fundamental vocabulary, properties, and techniques of Geometry. The course reviews and maintains students' algebraic skills and relates geometric skills to other mathematical topics. **Prerequisite: Successful completion of Algebra 1 CP A and Algebra 1 CP B.**

GEOMETRY HONORS
Full Year Course/1 Credit
This course is designed to inspire a greater awareness of the geometric surroundings. The main goal of this course is to enhance the development of deductive reasoning skills, critical thinking, and problem solving. Proofs of theorems, the reasoning of postulates, projects, and geometric calculations provide the essential workload of the course. This is an honors level course intended to give students the geometry concepts needed to study Pre-Calculus and Calculus. **Prerequisite: Successful completion of Algebra 1 Honors or Algebra 1 CP with a final grade of A- or higher.**

INTRODUCTION TO COLLEGE ALGEBRA CP
Semester Course/.5 Credit
This course is for students who would like to take College Algebra in the spring semester, but don't meet the typical prerequisite of successful completion of Pre-Calculus Honors. It is also an excellent course for students with an appropriate background who plan to graduate in the middle of the year to help prepare them for college-level mathematics requirements. It will reinforce the skills that they have learned in previous math courses to make sure that they are ready for the level of expectation in College Algebra. It will explore topics that help students to successfully make this transition.
Prerequisite: Successful completion of Pre-Calculus CP. May be taken concurrently with Pre-Calculus CP with teacher recommendation and successful completion of CP Algebra 2 and CP Geometry.

PRE-CALCULUS CP

Full Year Course/1 Credit

This course is intended for students who have successfully completed Algebra 2 CP and Geometry CP. It is appropriate for students planning future coursework in mathematics including calculus, finite mathematics, discrete mathematics, and statistics. Topics presented in the course include functions and graphs, polynomial and rational functions, exponential and logarithmic functions, trigonometric functions, and applications of trigonometry. A graphing calculator will be required for all students enrolled in this course. **Prerequisite: Completion of Algebra 2 CP and Geometry CP with a B- or higher or teacher recommendation.**

PRE-CALCULUS HONORS

Full Year Course/1 Credit

This course is designed to prepare a student to take calculus. It is appropriate for students who intend to major in mathematics or a mathematics-related field. Topics included are: coordinate geometry of points and lines, solutions to linear and polynomial equations, complex numbers, inequalities, functions, logarithms, polar coordinates, and circle and triangle trigonometry. Theory as well as application will be discussed. Models and calculators will be our tools as we use mathematics to describe patterns and phenomena that occur in our world. A graphing calculator will be required for all students enrolled in this course. **Prerequisite: Successful completion of Geometry Honors and Algebra 2 Honors OR Geometry CP and Algebra 2 CP with a final grade of A- or higher and teacher recommendation.**

STATISTICS CP

Semester Course/ .5 Credit

This course is an introductory course in statistics intended for students in a wide variety of areas of study. It introduces students to the major concepts of collecting, analyzing and drawing conclusions from data. Topics include displaying and describing data, regression, sampling and experimentation, probability and statistical inference with an emphasis on real-world applications. Students will use technology as they build conceptual understanding. **Prerequisite: Successful completion of Algebra 2 CP and Geometry CP OR successful completion of Algebra 2 and Geometry with teacher recommendation.**

TRIGONOMETRY CP

Semester Course/ .5 Credit

This course is designed to provide a study of trigonometry to students who intend to go to college in a non-mathematics related field. Topics of study will include right triangle trigonometry, circle trigonometry, trigonometric functions and identities, and trigonometric applications. A graphing calculator is used in this course. **Prerequisite: Successful completion of Algebra 2 CP and Geometry CP OR successful completion of Algebra 2 and Geometry with teacher recommendation.**

Mathematics - Computer Programming

ADVANCED COMPUTER SCIENCE TOPICS HONORS

(Grade 11, 12) One Semester Course/.5 Credit

This course covers more advanced programming concepts such as higher-level data structures in both the C++ and Java programming languages, design and usability issues, discrete math and principles of software engineering. **Prerequisite: Successful completion of Computer Science Foundations 2 with a final grade of B or higher.**

ALICE: PROGRAMMING VIA ANIMATION AND 3D VIRTUAL WORLDS

(Grade 9, 10, 11, 12) One Semester Course/.5 Credit

This course uses a programming environment called Alice that allows students to learn basic computer science while creating animated movies and simple video games where students control the behaviors of 3D objects and characters in a virtual world. Topics to be covered include looping, selection and data structures, along with how to control objects (raise hands, flap wings, move, turn, spin, walk, etc.). At the conclusion of the course, students will design and create a culminating virtual world of their choice.

AP COMPUTER SCIENCE A - JAVA PROGRAMMING

(Grade 10, 11, 12) Full Year Course/1 Credit

Computer Programming in Java. This course is designed to prepare students for the AP Computer Science “A” Exam. Main topics include object-oriented design and theory, the Java programming language, and an in-depth study of algorithms. The course contains college-level material and requires strong problem-solving skills. **Students are required to take the AP Computer Science A exam as scheduled by the College Board. Prerequisite: Successful completion of Computer Science Foundations 2 with a final grade of B or higher.**

AP COMPUTER SCIENCE PRINCIPLES

(Grade 10, 11, 12) Full Year Course/1 Credit

This course is designed to prepare students for the AP Computer Science Principles Exam. It will focus on the innovative and creative aspects of computing as well as information theory, security and privacy issues, networks and databases, manipulation of digital media and basic programming with Java and Javascript. The course contains college-level material and requires strong problem-solving skills. Students are required to take the AP Computer Science Principles exam as scheduled by the College Board. **Prerequisite: Successful completion of Computer Science Foundations 1 with a final grade of B or higher.**

COMPUTER SCIENCE FOUNDATIONS 1 CP
(Grade 9, 10, 11, 12) One Semester Course/.5 Credit
This course will cover how computers work and how they can be used to find solutions to various problems. Key topics will include creation and study of algorithms, program design and foundational programming in the C++ programming language.

COMPUTER SCIENCE FOUNDATIONS 2 CP
(Grade 9, 10, 11, 12) One Semester Course/.5 Credit
This course will focus on problem analysis and the continued development of algorithms and computer programs in Java. **Prerequisite: Successful completion of Computer Science Foundations 1 with a final grade of B or higher.**

INTERMEDIATE WEBSITE DESIGN AND DEVELOPMENT CHS
(Grade 10, 11, 12) One Semester Course/.5 credit
The objective of this course is to provide students with the intermediate level of web design and development. This course will take the base concepts introduced in Website Design and Development and expand and further develop them. We will take our web development skills from static to dynamic. Students have the opportunity to enroll in the College in the High School program between Cedar Crest High School and University of Pittsburgh. **Prerequisite: Successful completion of Website Design and Development with a grade of B or higher.**

WEBSITE DESIGN AND DEVELOPMENT CHS
(Grade 10, 11, 12) One Semester Course/.5 credit
The objective of this course is to provide a basic understanding of the methods and techniques of developing a simple to moderately complex Web site. Using the standard web page language HTML, students will be instructed on creating and maintaining a simple web site. To further enhance the web sites, a second language, Java Script, will be included. Finally, web site design and layout techniques as well as basic search engine analysis will be added to enhance the students practical design skills. Students have the opportunity to enroll in the College in the High School program between Cedar Crest High School and University of Pittsburgh.

Modern Language

FRENCH 1 CP

Full Year Course/1 Credit

Students will be able to engage in conversations and provide and obtain information, express feelings and emotions, and exchange opinions and information in French. Students will demonstrate an understanding of the nature of the language through comparisons of the French culture with their own.

FRENCH 2 CP

Full Year Course/1 Credit

Students will expand their conversational skills as well as their reading and writing skills in French. They will continue to compare and contrast their own culture with the French culture.

Prerequisite: Completion of French 1 with a C- or higher.

FRENCH 3 HONORS

Full Year Course/1 Credit

Students will continue to expand their conversational skills as well as their reading and writing skills in French. They will continue to compare and contrast their own culture with the French culture. Students will communicate 85% of the time in French. The difference between levels is a matter of quantity and quality, not functional ability.

Prerequisite: Completion of French 2 with a C- or higher and recommendation of the teacher.

FRENCH 4 HONORS

Full Year Course/1 Credit

Students will continue to expand their reading and writing skills as well as their conversational skills in French. Students will use their accumulated language skills to study French culture of the 20th century in this course. They will continue to compare and contrast their own culture with the French culture. The texts offer some of the most famous French authors. All literary genres are examined during the year. Students will communicate exclusively in French.

Prerequisite: Completion of French 3 Honors with a C- or higher.

GERMAN 1 CP

Full Year Course/1 Credit

Students will learn basic German vocabulary and use the vocabulary to communicate with one another in the German language. Students will be able to talk about themselves and express likes and dislikes in the German language. Ultimately, students will demonstrate an understanding of German culture in comparison with their own.

GERMAN 2 CP

Full Year Course/1 Credit

Students will expand their conversational skills as well as their reading and writing skills in German. Their vocabulary will increase and their grammar usage will be strengthened. Students will continue to learn about the many aspects of German culture. **Prerequisite: Completion of German 1 with a C- or higher.**

GERMAN 3 HONORS

Full Year Course/1 Credit

Students will continue to expand their conversational skills as well as their reading and writing skills in German. They will continue to compare and contrast their own culture with the German culture. Students will communicate 85% of the time in German. The difference between levels is a matter of quantity and quality, not functional ability.

Prerequisite: Completion of German 2 with a C- or higher and recommendation of the teacher.

GERMAN 4 HONORS

Full Year Course/1 Credit

Students' ability to understand and communicate in German will be tested and challenged through daily instruction held exclusively in the German language. An emphasis will be placed upon building students' vocabulary and increasing their conversational skills.

Prerequisite: Completion of German 3 with a C- or higher.

LATIN 1 CP

Full Year Course/1 Credit

Students will develop facility in Latin vocabulary and grammar by making connections to English. Students will develop an appreciation of Roman culture and history by comparing it to their own culture and history. Students will become acquainted with the numerous practical values that derive from Latin and classical study.

LATIN 2 CP

Full Year Course/1 Credit

As a continuation of Latin 1, the course is designed to develop further facility in vocabulary, grammar, and syntax; to develop the ability to discern the gist of a passage independent of grammatical analysis; and to acquaint the student with Roman institutions of law, government, and civic responsibility by comparing it with our own institutions. **Prerequisite: Completion of Latin 1 with a C- or higher.**

LATIN 3 HONORS

Full Year Course/1 Credit

Students will further enhance their vocabulary and linguistics skills in Latin; they will develop greater precision of expression in the translation of Latin writings; and they will apply these learnings in projects and in analysis of mythology and history. **Prerequisite: Completion of Latin 2 with a C- or higher.**

LATIN 4 HONORS

Full Year Course/1 Credit

Students will further enhance their vocabulary and linguistics skills in Latin; they will develop greater precision of expression in the translation of Latin writings; and they will apply these learnings in projects and in analysis of mythology and history. **Prerequisite: Completion of Latin 3 with a C- or higher.**

SPANISH 1 CP

Full Year Course/1 Credit

Students will be able to engage in conversations and provide and obtain information, express feelings and emotions, and exchange opinions and information in Spanish. Students will demonstrate an understanding of the nature of the language through comparisons of the Hispanic cultures with their own.

SPANISH 2 CP

Full Year Course/1 Credit

Students will expand their conversational skills as well as their reading and writing skills in Spanish. They will continue to compare and contrast their own culture with the Hispanic cultures. In order to continue to Spanish 3 honors you must enroll into Spanish 2 honors. **Prerequisite: Completion of Spanish 1 with a C- or higher. You will be recommended to take Honors if you have an 85% or higher in level I.**

SPANISH 2 HONORS

Full Year Course/1 Credit

Students will expand their conversational skills as well as their listening comprehension skills, reading and writing skills in Spanish. This course is designed to better prepare students for Spanish 3 Honors. Students will move at a more accelerated pace and will cover more vocabulary and grammar compared to the regular/college prep Spanish 2 course. **Prerequisite: Completion of Spanish 1 with 80% or higher. In order to continue to Spanish 3 Honors you must enroll into Spanish 2 honors.**

SPANISH 3 HONORS
Full year Course/1 Credit
Students will continue to expand their conversational skills as well as their reading and writing skills in Spanish. They will continue to compare and contrast their own culture with the Hispanic culture. Students will communicate 85% of the time in Spanish. The difference between levels is a matter of quantity and quality, not functional ability. Native Spanish speakers who wish to study Spanish will begin at this level.
Prerequisite: Completion of Spanish 2 Honors with a C- or higher.

SPANISH 4 HONORS
Full Year Course/1 Credit
Students will continue to expand their reading and writing skills as well as their conversational skills in Spanish. They will continue to compare and contrast their own culture with the Hispanic cultures. Research and enrichment activities including interdisciplinary and computer projects will be required. Students will communicate exclusively in Spanish.
Prerequisite: Completion of Spanish 3 with a C- or higher.

SPANISH 1 CHS
Full Year Course/1 Credit
This course combines content-based language instruction with an interactive task-based approach. Therefore, the entire course will be conducted in Spanish. Students will improve the four language skills (reading, writing, speaking and listening) through reading activities, composition assignments, and short films. Students will expand their knowledge of the Spanish-speaking world and its people. Students have the opportunity to be enrolled in the College in the High School program between Cedar Crest High School and the University of Pittsburgh. In addition to the CHS fee for college credit, students are also responsible for the cost of the textbook, which is $75 for the 2025-2026 school year.
To be taken as an alternative to honors Spanish 4.
Prerequisite: Students must pass Spanish 3 Honors or receive teacher approval.

Music

AP MUSIC THEORY
(Grade 11, 12) Full Year Course/1 Credit
AP Music Theory is an introductory college-level music theory course. Students cultivate their understanding of music theory through analyzing performed and notated music as they explore concepts like pitch, rhythm, form, and musical design. Prospective students should be able to read and write musical notation and have basic performance skills with voice or an instrument. This course is specifically designed to help students prepare for college placement exams in music theory, which is required of most music majors entering into a four-year degree. Students are required to take the AP Music Theory exam as scheduled by the College Board.

CONCERT BAND
(Grade 9) Full Year Course/.5 Credit
Open to any student in 9th grade with previous experience on a band instrument, or upon approval of the Band Director, and focuses on the development of mature ensemble-playing skills and band literature. Concert Band is assessed on a letter grade scale. Participation in the Marching Band is a requirement of this course and serves as part of the total Band experience. The Marching Band will perform at varsity football games, as well as several competitions and community events. Band Camp (late July or early August) is expected for all members. Rehearsals will be held outside of the school day during the Marching Band season. All performances of the band are mandatory. Students must hold membership in this ensemble to be eligible for the wind section of the orchestra, and/or Jazz Band. **Prerequisite: Minimum final grade of 80% in order to be promoted to Symphonic Band, as well as successful completion of course/performance requirements.**

CONCERT CHOIR
(Grade 9, 10, 11, 12) Full Year Course/.5 Credit
The Cedar Crest High School Concert Choir is a vocal ensemble for students who desire performance of choral music at a higher level of difficulty. Members of this choir are selected through a yearly audition process in the spring for the following year. Students that qualify to participate in Concert Choir may also join Mixed Choir for extra experience and leadership skills. Concert Choir will perform advanced repertoire encompassing many different styles with an emphasis on a cappella literature. In addition to performing at the December and May concerts, the Concert Choir serves as the traveling choir for civic and community performances and may participate in adjudications/clinics to further their understanding of choral technique. **Attendance is required for the December and May dress rehearsals and concerts.**

JAZZ BAND

(Grade 9, 10, 11, 12) One Semester Course/.5 Credit

Membership in the CCHS Jazz Band is through a yearly audition only. All wind and percussion students must first be a member of the Symphonic Band to qualify for Jazz Band membership. Guitar, bass, and piano players are required to receive permission from the Band Director before they audition. The Jazz Band performs several concerts in the spring semester. Improvisation will be an integral part of this course, as will the theory behind the improvised solo. In addition, various styles of jazz will be explored and experienced. **Rehearsals for Jazz Band will be held outside of the school day during a weekday evening.**

MIXED CHOIR

(Grade 9, 10, 11, 12) Full Year Course/.5 Credit

The Cedar Crest High School Mixed Chorus is for students that possess an interest in choral music performance. Vocal production, diction, sight-reading and instruction using a varied repertoire are the vital components of this course. Attendance is required for the December and May dress rehearsals and concerts. Students will receive a Choral Music Handbook at the beginning of the year which will present all mandatory dates, course expectations, and excused absences from rehearsals or performances.

MUSIC APPRECIATION

(Grade 9, 10) One Semester/.5 Credit

We are surrounded by sound almost every moment of our lives. In this class, for both listener and performer alike, we will study how music differs from noise, the many musics of the world and their influence on our music, and how we can all become good critics and consumers of the music around us. We will use music of all time periods, including contemporary pop music, and all places, far and near.

MUSIC THEORY

(Grade 10, 11, 12) One Semester Course/.5 Credit

Music theory is the analysis of harmonic structure and progression as well as melodic and rhythmic composition. It involves notation, key signatures, interval studies, analysis of chord structure and progression, arranging and composing. Students are required to sing in a group setting, and should have a basic knowledge of the piano keyboard. This course is specifically designed to help students prepare for college placement exams in music theory, which is required of most music majors entering into a four-year degree. **Prerequisite: Successful completion of at least one year of band or chorus.** All other students must receive permission from the instructor to enroll in this course.

ORCHESTRA

(Grade 9, 10, 11, 12) Full Year Course/.5 Credit

The orchestra is open to any student having prior experience on a string instrument, or upon the approval of the director. This ensemble focuses on the development of advanced string technique and application through a wide variety of literature. This group performs three mandatory concerts each year.

RHYTHM IN BLUE

(Grade 9, 10, 11, 12) Full Year Course/.5 Credit

Rhythm in Blue is a vocal ensemble for students that combines choral music performance with choreography. Members of this choir are selected through an audition process in the spring for participation in the group the following year. The audition process will include vocal and dance evaluations. A student must be enrolled in Mixed Choir or Concert Choir to be eligible to audition for Rhythm in Blue. Repertoire for this group will consist of contemporary music including Broadway, jazz, and popular songs. In addition to performances at the December and May concerts, the Rhythm in Blue will perform for civic and community events.

SYMPHONIC BAND

(Grade 10, 11, 12) Full Year Course/.5 Credit

Open to any student in grades 10-12 with previous experience on a band instrument, or upon approval of the Band Director, and focuses on the development of advanced wind band literature. Symphonic Band is assessed on a letter grade scale. Participation in the Marching Band is a requirement of this course and serves as part of the total Band experience. The Marching Band will perform at varsity football games, as well as several competitions and community events. Band Camp (late July or early August) is expected for all members. Rehearsals will be held outside of the school day during the Marching Band season. All performances of the band are mandatory. Students must hold membership in this ensemble to be eligible for the wind section of the orchestra, and/or Jazz Band. **Prerequisite: Minimum final grade of 85% in order to continue the next year as well as successful completion of course/performance requirements.**

VOICE CLASS

(Grade 9, 10, 11, 12) One semester Course/.5 credit

Voice Class is an introductory course designed to teach students how to use their singing voices correctly by learning about the vocal mechanism. Students will work to expand their vocal ranges, sing with expression and clear diction, and sing in harmony. Techniques for how to become more confident in their own vocal performances either solo or within a group will also be emphasized in class.

Science

ADVANCED TOPICS IN BIOLOGY HONORS

(Grade 11, 12) One Semester Course/.5 Credit

During this Honors level course, students will have the opportunity to explore trends in biotechnology including stem cells, gene therapy, cloning and personalized medicine. Students will also explore the impact that biology and biotechnology have on forensic science. Many unique laboratory experiences and hands-on activities, including a mock crime scene where students will need to collect evidence and test that evidence, will be a major part of coursework. Students will also perform a fetal pig "autopsy" where they will act as a medical examiner and look for any abnormalities that could be linked to a possible crime. Areas of focus in forensics include: blood spatter analysis, identification of human remains, stages of decomposition as well as fingerprinting and toxicology.

AP BIOLOGY

(Grade 10, 11, 12) Full Year Course/1 Credit

The AP Biology course is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their first year. It is designed to be taken by students after the successful completion of a first course in high school biology. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. **Students are required to take the AP Biology exam as scheduled by the College Board. Prerequisite: B- average in Biology Honors or A- average in Biology CP.**

AP CHEMISTRY

(Grade 11, 12) Full Year Course/1 Credit

This Advanced Placement (AP) course in science consists of a full high school academic year of work in chemistry that is comparable to courses in colleges and universities. It is expected that students who take an AP course in chemistry will seek college credit, college placement, or both, from institutions of higher learning. The majority of the year will be devoted to a rigorous study of such topics as kinetics, equilibrium, oxidation reduction, acid base theory and other concepts found on the AP Exam. The course involves in-depth lab work as well. **Students are required to take the AP Chemistry exam as scheduled by the College Board. Prerequisite: B- in Chemistry 1 Honors, A- in Chemistry 1 CP.**

AP ENVIRONMENTAL SCIENCE

(Grade 10, 11, 12) Full Year Course/ 1 Credit

Come explore our amazing planet! The AP Environmental Science course is designed to be the equivalent of a college introductory Environmental Science class. We will learn about the diverse forms of life on earth; and how to preserve the land, water and atmosphere where life exists. How can humans positively, and negatively, impact the environment? How can we solve the environmental problems that affect the world today? How can we work toward sustainability? Basic algebra/math will be used in various units of study. **Students are required to take the AP Environmental Science exam as scheduled by the College Board. Prerequisite: At least a B- average in Honors Biology; or A- average in CP Biology.**

AP PHYSICS 1

(Grade 10, 11, 12) Full Year Course/1 Credit

AP Physics 1 is a first-year physics course equivalent to a first-semester college course in algebra-based physics. Students gain a deeper understanding of Physics through inquiry-based experiments and discussion. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; simple harmonic motion and fluids. **Students are required to take the AP Physics exam as scheduled by the College Board. Prerequisites: Minimum math needed is Pre-Calculus which can be taken concurrently; CP or Honors Chemistry can be taken concurrently.**

AP PHYSICS 2

(Grade 11, 12) Full Year Course/1 Credit

AP Physics 2 is a physics course equivalent to a second-semester college course in algebra-based physics. Students deepen their understanding of Physics through inquiry-based investigations as they explore topics such as thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; mechanical waves and sound; and quantum, atomic, and nuclear physics. **Students are required to take the AP Physics exam as scheduled by the College Board. Prerequisites: Minimum math needed is Pre-Calculus which can be taken concurrently; Successful completion of AP Physics 1 or Honors Physics with at least a B- or Physics CP with at least an A-.**

AP PHYSICS C

(Grade 11, 12) Full Year Course/1 Credit

AP Physics C is the calculus-based course equivalent to the first year of college physics for students majoring in the physical sciences or engineering. Time will be spent on the topics of Newtonian Mechanics (50%) and Electricity & Magnetism (50%) with emphasis on problem solving strategies. **Students are required to take at least 1 of the 2 possible AP Physics Exams as scheduled by the College Board**, although both tests are highly recommended. **Prerequisites: Minimum math needed is Calculus which can be taken concurrently; Successful completion of AP Physics 1, AP Physics 2 or Honors Physics with at least a B- or Physics CP with at least an A-.**

ASTRONOMY CP

(Grade 10, 11, 12) One Semester Course/.5 Credit

In this introductory astronomy course, students will be introduced to the local astronomical neighborhood. While discovering how our understanding of the universe has changed since the dawn of ancient astronomy, students will learn about constellations, the sky and its motions, the cycles of the sun and moon, gravity, the solar system, and space exploration. This course is lab intensive and features extensive use of the planetarium.

BIOLOGY
(Grade 9) Full Year Course/1 credit
Biology is a course designed to focus on the eligible content for the Biology Keystone exam. The emphasis on this class will cover “Cells and Cell Processes” and the “Continuity and Unity of Life”. Various labs and activities will be used to help students visualize and understand the specific biological concepts.

BIOLOGY 1 CP
(Grade 9) Full Year Course/1 Credit
This biology course is designed to prepare students to pass the Keystone Exam in Biology. Many areas of biology will be presented in the class including Cells and Processes and the Community and Unity of Life. Labs will help the students visualize and understand the scientific concepts presented.

BIOLOGY 1 HONORS
(Grade 9) Full Year Course/1 Credit
Honors Biology is an academically challenging class that will prepare students to pass the Keystone Exam in Biology. Curriculum content will focus on Cells and Cell Processes and the Community and Unity of Life. Various labs and activities will be used to help students visualize and understand the specific concepts presented.

BIOLOGY 2 CP
(Grade 10, 11, 12) Full Year Course/1 Credit
Biology 2 is a class that covers the topics of the animal kingdom, human body systems, and ecological issues. The course will include a variety of activities, labs, and dissections that will enhance student understanding of Biological topics. Bio 2 is an ideal course for, but is not limited to, students who plan to pursue a career in the medical, environmental, agricultural, or other science related fields, and for students who have an interest in science.

CHEMISTRY
(Grade 10, 11, 12) Full Year Course/1 Credit
Chemistry is important in everyone’s life. This course emphasizes the practical nature of chemistry with less emphasis on math than Chemistry 1 CP. Since many occupations involve chemical concepts, it is important to everyone to have a basic knowledge of chemistry. Chemical principles will be introduced and then applied to chemical reactions, periodic trends, organic chemistry, gasses, and nuclear chemistry.

CHEMISTRY 1 CP

(Grade 10, 11, 12) Full Year Course/1 Credit

This course is designed for students planning to take chemistry as science or non-science majors. Emphasis is placed on the factor-label method for problem solving, periodic trends, atomic structure, stoichiometry, chemical nomenclature, equation writing, and the gas laws. Lab work is an important part of the course. Students must have a firm grasp of basic algebra concepts.

Prerequisite: Can be taken concurrently with Algebra 2 CP.

CHEMISTRY 1 HONORS

(Grade 10, 11, 12) Full Year Course/1 Credit

This course is designed for students with strong math skills planning to take college chemistry as science or non-science majors. Emphasis is placed on the factor label method for problem solving, atomic structure, electron configurations, quantum numbers, chemical nomenclature, stoichiometry, and other advanced topics. Lab work is an important part of the course with an emphasis on writing formal lab reports. **Prerequisite: Should be taken concurrently with Algebra 2 Honors. Students taking Algebra 2 CP concurrently should have the recommendation of the biology teacher. Also, a B- average in Biology Honors or an A- average in Biology CP. Biology Honors can be taken concurrently.**

CHEMISTRY 2 HONORS

(Grade 11, 12) Full Year Course/1 Credit

Chemistry 2 Honors is a continuation of Chemistry 1. It is recommended but not limited to students planning a college major in the physical or biological sciences, healthcare fields (including nursing and physical therapy), and any field involving engineering. The course involves in-depth lab work and covers topics such as thermochemistry, reaction rate, equilibrium, acid base chemistry, and an introduction to organic chemistry.

Prerequisites: Chemistry 1 Honors, B in Chemistry 1 CP or recommendation by a teacher.

DEEP SPACE ASTRONOMY CP

(Grade 10, 11, 12) One Semester Course/.5 Credit

In this course of study, students will pursue the study of astronomy beyond the solar system by covering topics that include nebulae, stars, stellar evolution and death (e.g. black holes), galaxies, quasars, Big Bang Theory, and the structure of the universe. Students will also learn about current space missions and cutting edge research in the field of astronomy. This course will include additional planetarium use and time for discussion/debate about current astronomical events and/or research.

GEOLOGY CP

(Grade 10, 11, 12) One Semester Course/.5 Credit

This course introduces students to a variety of physical and historical geology topics in a lab intensive and hands on approach. Students will learn to think like geologists as they use evidence found in rocks and landscapes to determine the geologic story of an area over millions of years. Major topics of study include rock formation, rock and mineral identification, plate tectonics, earthquakes, volcanoes, fossils, the fossil record, the geologic timescale, and topographic maps.

INTRODUCTION TO HUMAN BIOLOGY CHS

(Grade 11, 12) Full Year Course/1 Credit

This college-level course is designed for students ready for a fast-paced, introductory college anatomy & physiology course, with a lab component. This course explores basic biological principles by studying the structure and function of the human body with a focus on body systems. This course emphasizes homeostasis, the relationship of anatomy and physiology at all levels of biological organization, and the demonstration of life processes through the normal functioning of body systems. Students have the opportunity to be enrolled in the College in the High School program between Cedar Crest High School and Lebanon Valley College. Four (4) college credits, three (3) lecture credits and one (1) lab credit, through LVC will be awarded to students who successfully complete this course with a grade C or higher.

METEOROLOGY CP

(Grade 10, 11, 12) One Semester Course/.5 Credit

Meteorology is the study of Earth's weather, atmosphere, and climate. In this introductory course, major topics of study include factors that affect weather, weather forecasting, cloud and precipitation processes, atmospheric structures, energy transfer, winds, storm systems/fronts, severe weather, and climate change. Class work includes graph analysis, real world data collection, and analyzing real world, live data. Students will also have the opportunity to develop their own questions about meteorology that becomes a part of the course curriculum.

OCEANOGRAPHY CP

(Grade 10, 11, 12) One Semester Course/.5 Credit

Earth’s ocean provides humans with oxygen to breathe, food to consume, and the means to transport almost every product we depend on. In this course, students will gain a better appreciation of the ocean’s importance by studying topics such as ocean basin topography, properties of seawater, ocean circulation, waves, tsunami, beaches, tides, and marine ecosystems. Throughout the course, special focus is given to the preservation and conservation of marine resources. Classes will include a mix of lab activities, discussion, and research.

PHYSICS CP

(Grade 10, 11, 12) Full Year Course/1 Credit

The following topics are covered: kinematics, a study of motion of bodies; dynamics, the study of why objects move the way they do; celestial motion; the various forms of energy, light and electromagnetism, heat and thermodynamics, waves, and an introduction to the atom's structure. Chemistry 1 CP can be taken concurrently.

PHYSICS HONORS

(Grade 10, 11, 12) Full Year Course/1 Credit

The following topics are covered: kinematics, a study of motion of bodies; dynamics, the study of why objects move the way they do; celestial motion; the various forms of energy, light and electromagnetism, heat and thermodynamics, waves, and an introduction to the atom's structure.

Prerequisite: A- in Chemistry 1 CP or B- in Chemistry 1 Honors, or can be taken concurrently.

PRINCIPLES OF PHYSICS

(Grade 10, 11, 12) Full Year Course/1 Credit

This applied physics course provides an understanding of the concepts of force, work, motion, resistance, energy, and power as they relate to mechanical, fluid, and electrical systems. The concepts covered allow students to apply scientific principles to practical situations using a hands-on laboratory experience, along with an understanding of the mathematics necessary to solve technical problems.

THINKING GREEN - CONNECTED WITH THE ENVIRONMENT

(Grade 10, 11, 12) One Semester Course/.5 credit

Everybody claims they want to "save the Earth" but do we actually do anything about it? This course introduces students to the concepts of environmentalism, environmental literacy, and sustainability. Students will learn about the impact humans are having on planet Earth, the lifestyle choices we make that have led to these results, and the choices we can make to positively impact nature and future generations of humans. Topics covered include an introduction to environmentalism, forestry, species biodiversity decline, invasive species, climate change, and select other environmental topics based upon student interest. In addition to the traditional classroom setting, the course includes developing an appreciation for nature through participation in outdoor learning activities. Students taking this course should be ready and willing to spend time outside in nature completing tasks and activities that often involve hiking and getting dirty. **Prerequisite: Students must pass Biology to enroll in this course.**

Social Studies

AMERICAN CULTURES
(Grade 9) Full Year Course/1 Credit
This course is designed to thoroughly familiarize students with the history and culture of the United States. A chronological history of the United States will be studied from World War I to the present day.

AMERICAN CULTURES CP
(Grades 9) Full Year Course/1 Credit
This course is designed to thoroughly familiarize students with the geography, history, and culture of the United States. This course is a chronological study of U.S. history from World War I to the present day. Special emphasis will be placed on comparing events of the past to contemporary problems. The depth and scope of the course is designed for students preparing for college.

AMERICAN CULTURES HONORS
(Grades 9) Full Year Course/1 Credit
This course is designed to thoroughly familiarize students with the geography, history, and culture of the United States. This course is a chronological study of U.S. history from World War I to the present day. Special emphasis will be placed on comparing events of the past to contemporary problems. The depth and scope of the course is designed for students preparing for college. Enrichment activities will be presented and independent, in-depth research projects will be required.

AMERICAN HISTORY THROUGH FILM CP
(Grade 11, 12) One Semester Course/.5 Credit
American History through Film is a semester-long course during which students watch a variety of historical films, each dedicated to an event, person, or era of American history. Prior to watching the films, students learn about the geographic and historic factors that combined to create the basis of the film. Using various resources, students create a framework for understanding the historical truths and inaccuracies throughout the films. After watching the film, students will participate in activities requiring research, writing, and presentation skills to evaluate the films.

AMERICAN POP CULTURE CP

(Grade 11, 12) One Semester Course/.5 Credit

This course critically analyzes periods of American history and concentrates on the culture of those specific times. The course progresses chronologically by decade starting with the Roaring 1920s and finishing with today's age of social media. Popular culture analysis is studied in a variety of different disciplines, including, history, American studies, cultural studies, ethnic studies, and sociology. The course primarily focuses on film, television, popular music, radio, advertising, and social media/cyberculture. The class analyzes how critical factors like gender, race, social class, age, sexuality, and politics/government are shaped by and reshaped in popular culture. The class consists of lectures, readings, hands-on projects, and writing assignments. This course makes particularly strong usage of music, images, media clips and websites during class discussions.

AP EUROPEAN HISTORY

(Grade 11, 12) Full Year Course/1 Credit

This course is an elective college-level course that examines European history from the time of the Renaissance and Reformation to the present day. The course's themes are: cultural and intellectual history, political and diplomatic history, and social and economic history of the continent. This class provides students with an academic experience equivalent to a freshman college survey course of western history. In addition to course content, the course is specifically designed to enhance student analytical reading and essay writing skills. **Students are required to take the AP European History exam as scheduled by the College Board and may opt to take Western Civilization II CHS for University of Pittsburgh credit for the same course.**

AP HUMAN GEOGRAPHY

(Grade 10, 11, 12) Full Year Course/1 Credit

The goal of this course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also will learn about the methods and tools geographers use in their science and practice. This course may be taken instead of World Cultures in Grade 10; however, this course may not be taken in place of Government in Grade 11. **Students are required to take the AP Human Geography exam as scheduled by the College Board.**

AP MACROECONOMICS

(Grades 11, 12) Full Year Course/1 Credit

This course is a full year course that includes the study of the principles of economics that apply to an economic system as a whole. The course places a particular emphasis on the study of national income and price-level determination, and also develops students' knowledge of economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. This course is equivalent to an introductory college level course. Students will be required to purchase supplemental materials. **Students are required to take the AP Macroeconomics exam as scheduled by the College Board.**

AP PSYCHOLOGY CHS

(Grade 11, 12) One Year Course/1 Credit

This course is a full year course that will cover material usually taught in an introductory college psychology course and is part of the College in the High School program with the University of Pittsburgh. The course will introduce and reinforce the systematic and scientific study of behavior and thinking, including the history of psychology, methods of research, biopsychology, learning, development, intelligence, personality theories, abnormal and social psychology. **Students may choose to take this course for College in the High School Credit through the University of Pittsburgh or must take the AP Psychology exam as scheduled by the College Board.** Students taking the course through the university will receive a fee waiver if they choose to apply for admission to the University of Pittsburgh.

AP U.S. GOVERNMENT AND POLITICS

(Grades 11, 12) Full Year Course/1 Credit

This course is a full year course that includes the study of general concepts used to interpret the U.S. government and politics with the analysis of specific examples. Students will learn about the various institutions, groups, beliefs and ideas that constitute U.S. government and politics. The course will provide students an opportunity to understand the typical patterns of political processes and behavior and their consequences. This course is equivalent to an introductory college level course. **Students are required to take the AP U.S. Government and Politics exam as scheduled by the College Board.**

AP U.S. HISTORY

(Grade 9, 10, 11, 12) Full Year Course/1 Credit

This course offers a challenging and beneficial area of study for advanced students. This course consists of a chronological study of American history ranging from European exploration to America in the 21st Century. Throughout the school year, work in the class will focus on mastering the curriculum and preparing for the multiple choice and written section of the AP U.S. History exam. **Students are required to take the AP U.S. History exam as scheduled by the College Board.**

CLASSICAL WORLDS CP

(Grade 11, 12) One Semester Course/.5 Credit

This course provides an enriching view of the historical periods of classical Greece and the Ancient Roman Republic and Empire. The first half of the semester will focus on the study of Ancient Greece, and the second half of the semester will focus on the study of the Ancient Roman Republic and Empire. Students explore these topics through a multitude of primary sources related to each theme of study, as well as secondary readings provided by the instructor. Assessments and short essays conclude each theme with a marking period exam to finalize each area of study.

ECONOMICS CP

(Grades 11, 12) One Semester Course/.5 Credit

This course will concentrate on the American economic system. The course will cover topics in both micro and macroeconomics, with a special emphasis on macroeconomics. Topics covered will include basic economic principles, economic systems, supply and demand, prices and competition, business organization, national income accounting, fiscal and monetary policy and international economics.

ECONOMICS HONORS

(Grades 11, 12) One Semester Course/.5 Credit

This course will concentrate on the American economic system. The course will cover topics in both micro and macroeconomics, with a special emphasis on macroeconomics. Topics covered will include basic economic principles, economic systems, supply and demand, prices and competition, business organization, national income accounting, fiscal and monetary policy and international economics. Enrichment activities will be presented and independent projects may be required.

FALCON EDGE: MINDSET, LEADERSHIP, AND PERFORMANCE

(Grade 10, 11, 12) One Semester/.5 Credit

This course is designed to help students develop a strong mindset so they can thrive as leaders and maximize their mental performance both here at Cedar Crest High School and in their post-CCHS lives. Throughout the course, students will learn about an array of psychological, social and emotional components that contribute to effective leadership and mental performance. Students will strive to better understand society, evaluate barriers that undermine leadership, and learn how to develop resilience to overcome setbacks in life. Throughout the course, students will engage in ongoing reflection to become more aware of their personal strengths and areas of improvement; they will also learn new skills to improve their mindset, leadership, and performance both here at CCHS and in their future pursuits. Ultimately, students will be encouraged to build up the Cedar Crest community and live out their best CCHS Legacy. **Students interested in taking Falcon Edge should be committed to serving and improving the Cedar Crest community through their involvement in extracurricular and/or co-curricular activities.**

GOVERNMENT CP

(Grades 11, 12) One Semester Course/.5 Credit

This course will concentrate on the American government. Topics to be studied include foundations of government, the structure of federal, state, and local government, and political science topics such as political parties, political behavior, interest groups, and the electoral process.

GOVERNMENT HONORS

(Grades 11, 12) One Semester Course/.5 Credit

This course will concentrate on the American government. Topics to be studied include foundations of government, the structure of federal, state, and local government, and political science topics such as political parties, political behavior, interest groups, and the electoral process. Enrichment activities will be presented and independent projects may be required.

HISTORY OF PHILOSOPHY CP

(Grade 11, 12) One Semester Course/.5 credit

This survey course explores the historical development of our understanding of the nature of existence, reality, knowledge, and our common humanity. Students learn about the historical conditions leading to and influenced by major schools of thought from antiquity to the present. Exploration of select philosophical texts, problems and ideas enrichen the history of human thought. Students apply their previous knowledge of history to understand the context for intellectual curiosity that influenced humanity. Initial focus is on the history of philosophy (from pre-Socratic thinkers through Renaissance philosophers) before exploring the contemporary era (Enlightenment to modern thought). Students gain understanding of the historical development of human thought through primary and secondary resources. The course emphasizes reading and writing, along with individual and group projects.

INTERNATIONAL RELATIONS HONORS

(Grade 11, 12) One Semester Course/.5 credit

Students taking this course receive a framework for studying the complexities of timely international issues and examining United States foreign policy. In this course, students pay close attention to current events, global problems such as: human rights, poverty, environmental concerns,, terrorism and their historical context. The goal is for stimulated thinking about events that take place outside of more than just our community and how these events impact our country and world.

PSYCHOLOGY CP

(Grade 11, 12) One Semester Course/.5 Credit

This course is concerned with the study of individual behavior. Investigation of behavior, development, abnormal behaviors, and methods of adaptation will be considered. This course is open as an elective to juniors and seniors interested in understanding behavior. This course may not be taken in place of World Cultures or Government.

SOCIOLOGY CP

(Grade 11, 12) One Semester Course/.5 Credit

This course is the science that studies human relationships. Students will discover the elements that make up their society, as well as be exposed to various other societies of the world. The interaction of these differing groups will be the focus of much of the course. Open to juniors and seniors with an interest in this area, as an elective. This course may not be taken in place of World Cultures or Government.

WORLD CULTURES EASTERN

(Grade 10) One Semester Course/.5 credit

World Cultures includes the total way of living of a people - their geography, history, religions, values, social organization, creative arts, political, and economics systems. A study of the historical background will be included to provide support for the understanding of the development of present economic, social and political institutions in these areas Africa, Middle East, India, and Asia.

WORLD CULTURES WESTERN
(Grade 10) One Semester Course/.5 credit
This course includes the total way of living of a people - their geography, history, religions, values, social organization, creative arts, political, and economics systems. A study of the historical background will be included to provide support for the understanding of the development of present economic, social and political institutions in these areas Latin America, Russia, Eastern Europe, Western Europe, and Oceania.

WORLD CULTURES EASTERN CP
(Grade 10) One Semester Course/.5 credit
This course includes the total way of living of a people - their geography, history, religions, values, social organization, creative arts, political, and economics systems. A study of the historical background will be included to provide support for the understanding of the development of present economic, social and political institutions in these areas Africa, Middle East, India, and Asia.

WORLD CULTURES WESTERN CP
(Grade 10) One Semester Course/.5 credit
This course includes the total way of living of a people - their geography, history, religions, values, social organization, creative arts, political, and economics systems. A study of the historical background will be included to provide support for the understanding of the development of present economic, social and political institutions in these areas Latin America, Russia, Eastern Europe, Western Europe, and Oceania.

WORLD CULTURES EASTERN HONORS
(Grade 10) One Semester Course/.5 credit
This course includes the total way of living of a people - their geography, history, religions, values, social organization, creative arts, political, and economics systems. A study of the historical background will be included to provide support for the understanding of the development of present economic, social and political institutions in these areas Africa, Middle East, Asia. Enrichment activities will be presented. Independent, in-depth research projects will be required, along with substantial additional outside readings.

WORLD CULTURES WESTERN HONORS
(Grade 10) One Semester Course/.5 credit
This course includes the total way of living of a people - their geography, history, religions, values, social organization, creative arts, political, and economics systems. A study of the historical background will be included to provide support for the understanding of the development of present economic, social and political institutions in these areas Latin America, Russia, Eastern Europe, Western Europe, and Oceania. Enrichment activities will be presented. Independent, in-depth research projects will be required, along with substantial additional outside readings.

Additional Offerings

(CO-OP) SUPERVISED BUSINESS PARTNERSHIP
(Grade 12) Varied credit up to 4 Credits
Supervised Business Partnership is a program that will provide the opportunity for students to work in the local business community. The student will secure employment and demonstrate skills required for successful performance in the position. The student will display the ability to communicate effectively with others and perform job tasks accurately and efficiently. Exposure to technology used in the workplace will give hands-on experience to students. Students must apply for acceptance into the program. **Prerequisite: Students must demonstrate good work habits and responsibility by maintaining good grades, attendance, and discipline records during their junior and senior years.**

FUTURE PROFESSIONAL'S INTERNSHIP
(Grade 12) One Semester Course/1 Credit
Future Professional's Internship is a program that provides post-secondary bound seniors the opportunity to observe first-hand the career choice they are planning to pursue. Students will be able to observe professional workers employed in the chosen business area. The goal of the program is to give hands-on exposure to seniors at the high school level so that they can make more informed choices before entering post-secondary education. Prerequisite: Acceptance into the program; students must demonstrate that they have good work habits and are responsible students by maintaining good grades, attendance, and discipline records during their junior and senior years.

EMERGENCY MEDICAL TECHNICIAN HONORS
(Grade 11, 12) Full Year Course/1 Credit
The EMT course is open to students of all academic abilities who have a strong desire to achieve National and State EMT Certification. Students with this desire should have the confidence in knowing that students of all levels have successfully completed this program and have become certified Emergency Medical Technicians. This rigorous course prepares students to become a PA Certified Emergency Medical Technician (EMT). Students who are 18 years of age at the time of the exam will also be eligible to become a Nationally Certified EMT. EMT certification is a prerequisite to the Paramedic Program. One of the objectives of this course is to provide the students with opportunities to explore allied health programs offered by other educational institutions. Additionally, the student will be provided with the necessary skills enabling him/her to successfully deal with emergency situations occurring at school or in their personal life as well as to perform community service. Harrisburg Area Community College (HACC) will offer six credits to any student who successfully completes the program. Students will be required to attend evening classes and pay the course fee. The fee for the 2023-2024 school year was $245, but that could change next year. **Prerequisite: Students must be 16 years of age prior to April 1.**

HONORS SEMINAR 1 and 2

(Grade 9, 10, 11, 12) One Semester/.5 Credit

These courses serve as the primary opportunity for enrichment for identified gifted students. Students will acquire a clear understanding of their intelligence, examine and develop leadership qualities, and complete career exploration as part of individual and team-oriented projects. Students will gain a better self-understanding and awareness of their needs while developing cognitive and affective strengths through group projects, classroom discussion, individualized learning, and interdisciplinary studies, furthering talent development to become life-long intrinsically motivated learners. Instruction in the course includes the Genius Hour Project, individualized extension based on student interests and talents, and additional enrichment opportunities in all subjects. Additional instructional content (provided on a 4 year rotating cycle) has been developed based on NAGC standards for gifted education and instruction.

Requirements: This course is a rigorous elective for identified gifted students.

Lebanon County Career and Technology Center

AUTO BODY TECHNOLOGY
Half day, 8:00 am –10:25 am / Year one – 36 weeks, 3 credits
Half day, 11:35 am –2:00 pm / Year two – 36 weeks, 3 credits

Auto Body Technology students learn entry level processes to repair damaged vehicles to pre-accident/damaged conditions. These repair processes are taught in units over two years. The two years of training combined consists of learning knowledge and skills for Safety, Vehicle Design and Construction, Estimating, Structural Damage Analysis, Structural Straightening intro, Cutting Processes, Welding, Corrosion Protection, Metal Finishing, Body Fillers, Panel Replacement and Alignment, Glass and hardware, Trim and Hardware, Plastic Repair, Refinishing Equipment Safety, Refinishing Equipment Paint Area, Automotive Finishes, Surface Preparation, Refinishing Operations, Blending Operations, Detailing, Restraint Systems and Advanced Technologies (ADAS). Career opportunities: Refinishing/Painting/Prep apprentice (Paint Tech assistant), Damage Repair (Body Tech assistant), Insurance estimator/appraiser, Detailer, Estimator assistant, Parts manager, Office Manager, Floor Manager, Paint and Body sales representative. Students also may earn ICAR, OSHA 10, and PPG Envirobase Certifications before graduating high school. Students who meet the requirements may participate in our Co-op program in their second year, working at an Auto Body employer, gaining more experience in a live setting while a student at CTC. The Auto Body program is ASE Accredited and gives the students an opportunity to take ASE Certification test and receive credits upon enrollment with post-secondary schools who are also ASE accredited.

AUTOMOTIVE TECHNOLOGY
Half day, 8:00 am –10:25 am / Year one – 36 weeks, 3 credits
Half day, 11:35 am –2:00 pm / Year two – 36 weeks, 3 credits

Automotive Technology students diagnose, service, and repair late model vehicles following the Automotive Service Excellence (ASE) national technician standards. Motivated students may obtain the PA Auto Safety Inspection Certification, PA Emission Inspection Certification and qualify to take the ASE tests after successfully completing the program. Utilizing state-of-the-art repair equipment students learn brake systems, suspension and steering, engine performance, automotive electronics, and HVAC. The Automotive Technology program is ASE Accredited. Technical career opportunities range from maintenance mechanic to automotive technician and may begin in high school with our Co-Op program providing job experience and a salary. Students who successfully complete the program may receive 16 college credits from HACC. In addition, students may also earn credits from University of Northwestern Ohio, Automotive Training Center, and Northampton Community College.

CARPENTRY / RESIDENTIAL CONSTRUCTION
Half day, 8:00 am –10:25 am / Year one – 36 weeks, 3 credits
Half day, 11:35 am –2:00 pm / Year two – 36 weeks, 3 credits

Carpentry students will learn advanced hand tool and power tool skills through a variety of construction related assessments. Students will be challenged to frame a floor, wall and roof becoming comfortable in

all framing aspects as well as interior and exterior finish applications. Students will gain knowledge in blueprint reading, concrete forming and placement, and jobsite safety. They will obtain their OSHA 10 certification, along with multiple ladder certifications. Lastly students will become proficient in estimation skills as well as understand the basic energy efficiencies used in the industry today. They will be presented with multiple career opportunities and given the chance to compete for scholarships. They can continue their development as carpenters through a trade school, apprenticeship program or our co-op program learning on the job training.

COMMERCIAL ART AND DESIGN
Half day, 8:00 am –10:25 am / Year one – 36 weeks, 3 credits
Half day, 11:35 am –2:00 pm / Year two – 36 weeks, 3 credits

Commercial Art students work with a variety of media to create logos, brochures, posters, advertisements, greeting cards and a variety of artwork for the school and the community. They participate in a end-of-the-year Art Show and Competitions to develop a portfolio emphasizing their creative talents and technical skills including becoming proficient in Adobe Design software: Photoshop, Illustrator, and InDesign. This "learning while doing" strategy brings reality to the course topics, which includes: typography, media techniques, color theory, graphic design, perspective drawing, elements and principles of design and computer applications. This half-day, two-year course promotes creativity and expression through fine art, graphic design and photography. Career opportunities range from a production artist to a creative director. Adobe Certifications can be achieved through the Certiport Company. Graduates have been successful at four-year colleges and art schools and two-year associate degree programs. A number of students have won scholarships to these programs. Students who successfully complete this program will have proficient knowledge and ability to further their graphic design career path in a post-secondary setting. - Graphic Designer - Art Director - Photographer - Web Designer - Illustrator - Freelance Artist - Production Artist.

COMPUTER NETWORK TECHNOLOGY AND CYBERSECURITY
Half day, 8:00 am –10:25 am / Year one – 36 weeks, 3 credits
Half day, 11:35 am –2:00 pm / Year two – 36 weeks, 3 credits

In today's high-tech environment, everything is networked! This two-year program, aligned with the CompTIA and Cisco Certification models, prepares students for entry-level careers in computer networking and cybersecurity or further education in related fields. Students gain hands-on experience in the design, implementation, and management of computer networks, as well as the installation, configuration, and troubleshooting of networking hardware, protocols, and services.

The curriculum includes comprehensive instruction in:

- **Computer Hardware**: Students learn to identify, install, and maintain components such as CPUs, memory, storage devices, adapter cards, and peripherals.
- **Software and Operating Systems**: Instruction covers various operating systems (Windows, Linux, macOS), user interfaces (GUI and CLI), system utilities, and troubleshooting techniques.
- **Networking Fundamentals**: Topics include the OSI and TCP/IP models, network design, cabling, wireless communication, WAN technologies, and network management.
- **Cybersecurity**: Students explore security devices, firewalls, access controls, authentication principles, threat mitigation, forensic concepts, and disaster recovery best practices.

DENTAL ASSISTANT
Half day, 8:00 am –10:25 am / Year one – 36 weeks, 3 credits
Half day, 11:35 am –2:00 pm / Year two – 36 weeks, 3 credits

The Dental Assistant program integrates lectures, demonstrations, and hands-on experiences to teach students a variety of dental-related subjects. The major areas of study include anatomy and physiology, chair-side dental assisting, radiology, dental materials, and microbiology/sterilization. During the program, students participate in clinical rotations in private dental offices, clinics, and hospitals. Experiences gained in the Dental Assistant Program prepares students to take the Radiation Health and Safety Certification Exam, the Infection Control Exam, have a steppingstone to college, and are prepared for a job after they graduate.

DIESEL TRUCK TECHNOLOGY
Half day, 8:00 am –10:25 am / Year one – 36 weeks, 3 credits
Half day, 11:35 am –2:00 pm / Year two – 36 weeks, 3 credits

Diesel Truck Technology students repair, maintain and diagnose late model over-the-road diesel truck-tractors to gain real life experience with working in the field. With three trucks and growing in the program repairing vehicles providing “hands-on” experience in diagnosing, servicing and repairing all major heavy truck systems. Students learn the importance of teamwork and qualify for the PA State Safety Inspection program. The major course topics and certifications include: Preventive Maintenance, Engine Systems Theory & Repair, Electrical Systems, and Brakes (air & hydraulic), Measuring, A/C, clutches, Steering, Suspension and Drivelines. Career opportunities range from maintenance mechanic to fleet manager and may begin in high school with a Co-Op position providing job experience and a salary. Employers in the Lebanon County area and beyond sponsor this program, providing new tools and equipment, student scholarships, and employ graduates. Students who successfully complete the program may receive college credits from the University of Northwestern Ohio (UNOH) and Thaddeus Stevens, and UTI.

ELECTRICAL TECHNOLOGY
Half day, 8:00 am –10:25 am / Year one – 36 weeks, 3 credits
Half day, 11:35 am –2:00 pm / Year two – 36 weeks, 3 credits

This is an instructional program that focuses on the exciting world of electricity and prepares individuals with the technical skills required to become an apprentice in a variety of electrical occupations. This program includes instruction in safety, basic hand and power tools, applied mathematics, AC/DC electrical theory, National Electric Code, residential electrical installations, circuit development, print reading, conduit bending, meters, troubleshooting, services, transformer theory, specialty systems, green technology, and basic motor control.

ELECTROMECHANICAL TECHNOLOGY
Half day, 8:00 am –10:25 am / Year one – 36 weeks, 3 credits
Half day, 11:35 am –2:00 pm / Year two – 36 weeks, 3 credits

The Electromechanical Technology program is designed to provide students with the knowledge and skills necessary to apply current methods and technology to the development, design, operation, and management of electromechanical systems. Electromechanical covers multiple disciplines including Electrical, Electronics, Fluid Power (Hydraulics and Pneumatics), Mechanical Drives, Programmable Logic Controllers (PLC's), and Robotics. Students are trained in both the electrical and mechanical disciplines, and then exposed to a wide spectrum of instrumentation and industrial controls concepts. Students can use what they learn in Electromechanical Technology to pursue a career directly out of high school or continue their education into a degree program. The course is designed to give an introduction to engineering principles of electromechanical systems and disciplines. Some of the potential jobs include Electronics Technicians/Engineer, Electrician, Biomedical Technician/Engineer, Industrial Maintenance Technician, Mechanical Technician/Engineer, and many more!

HEALTH CAREER TECHNOLOGY
Half day, 8:00 am –10:25 am / Year one – 36 weeks, 3 credits
Half day, 11:35 am –2:00 pm / Year two – 36 weeks, 3 credits

Health Careers Technology is designed for students seeking a career in the healthcare field specifically as a patient care technician certification/Nurse Aide. Students will learn to care for patients in varying healthcare settings, which is a requirement to take the patient care technician certification exam offered at the end of the senior year. Students will also obtain certification in Basic Life Support Provider certification through American Heart Association. Curriculum includes patient safety, professionalism of the health care provider, legal and ethical issues, communication skills, infection control practices, emergency care and disaster preparedness, human needs and development, health care provider skills, nutrition, caring for the patient at death, medical terminology, anatomy and physiology and exploring medical language. Students have an opportunity to obtain 3 college credits through participation in the college in the high school program offered through HACC.

LANDSCAPE AND HORTICULTURE
Half day, 8:00 am –10:25 am / Year one – 36 weeks, 3 credits
Half day, 11:35 am –2:00 pm / Year two – 36 weeks, 3 credits

In the Landscape and Horticulture program, students learn how to use horticultural tools and operate landscaping equipment such as push mowers and zero turns. Students will identify ornamental, medicinal, and crop producing plants, work with plants outdoors and participate in the greenhouse plant sale. Experience many career pathways in horticulture through field trips, hands on experiences, and academics. Students will be involved with the National FFA Organization and will have a chance to compete in horticultural competitions against local FFA chapters. Qualified students in Landscape and Horticulture may also be chosen for the co-op program, an opportunity to work for area landscape contractors and earn while you learn. If you enjoy working outdoors with plants, learning about

horticultural skills and maintaining landscapes, then the Landscape and Horticulture program will be a great fit and learning experience for you.

LAW ENFORCEMENT AND SECURITY
Half day, 8:00 am –10:25 am / Year one – 36 weeks, 3 credits
Half day, 11:35 am –2:00 pm / Year two – 36 weeks, 3 credits

In the Law Enforcement program, students embark on a rigorous and engaging journey to prepare for careers in policing, public safety, and criminal justice. This two-year program is designed to build the essential skills, knowledge, and ethical foundation needed for success in today's law enforcement field. Aligned with the Pennsylvania Department of Education's Criminal Justice/Police Science task list, the curriculum covers a comprehensive range of topics including crime scene management, evidence collection, use of force protocols, criminal law and procedures, health and wellness, police concepts and skills, corrections, court systems, communications, and security operations. Students participate in interactive classwork, physical training, practical exercises, technology-based training, and collaborative projects that foster critical thinking and real-world problem solving. They develop expertise in fingerprinting, report writing, traffic enforcement, emergency response, and ethical decision-making, while learning to apply constitutional law and understand the complexities of criminal procedure. Graduates of the Law Enforcement program are well-prepared to pursue entry-level positions in law enforcement, continue their education, or serve their communities with integrity, professionalism, and confidence.

MASONRY
Half day, 8:00 am –10:25 am / Year one – 36 weeks, 3 credits
Half day, 11:35 am –2:00 pm / Year two – 36 weeks, 3 credits

Students in the Masonry program will learn the foundational skills needed to succeed on a typical job site in the masonry field. They will learn how to work with the materials used in the trade, such as brick, concrete block (CMU's), and concrete. Though in a school shop atmosphere, they will be expected to learn and understand the industry and jobsite expectations and treat the shop as such. Students will also learn the responsibilities of a foreman, and be expected to lead peers in daily, weekly, and job specific duties. Lastly, there will be an expectation of EXCELLENCE and PROFESSIONALISM, each young man or woman will come ready to work hard and do the best they can in the theory room as well as the shop.

MEDIA COMMUNICATIONS TECHNOLOGY
Half day, 8:00 am –10:25 am / Year one – 36 weeks, 3 credits
Half day, 11:35 am –2:00 pm / Year two – 36 weeks, 3 credits

Media Communications Technology program introduces students to the art and science of developing effective presentations using technology. Through a mix of classroom instruction and hands-on experience, students will be well prepared for success in today's rapidly growing communication fields.

Students gain a working knowledge of hardware, software, and equipment necessary for delivering effective communication for business, education, and entertainment. Rigorous instruction motivates students to develop competency in the production process, photography, graphic design, television production, streaming video, and audio production, as well as electronic computer imaging, motion graphics, and animation using computer technology.

In addition, curriculum is implemented through individual and group collaborative processes along with real-world experiences. A variety of software applications are taught. Using this advanced digital technology, students apply their knowledge and skills to create professional media for broadcast, virtual instruction, corporate communications, web-based distribution, and entertainment.

This course provides comprehensive hands-on experience through instruction in presentation development, project management, budgeting, and social networking. This program will enhance computer literacy, build communication skills, and yield work samples for an impressive portfolio in preparation for college and employment.

MEDICAL ASSISTANT
Half day, 8:00 am –10:25 am / Year one – 36 weeks, 3 credits
Half day, 11:35 am –2:00 pm / Year two – 36 weeks, 3 credits

A program that prepares individuals, under the supervision of physicians, to provide medical office administrative services and perform clinical duties including patient intake and care, routine diagnostic and recording procedures, pre-examination and examination assistance, and the administration of medications and first aid. Includes instruction in basic anatomy and physiology; medical terminology; medical law and ethics; patient psychology and communications; medical office procedures; and clinical diagnostic, examination, testing, and treatment procedures. Clinical education is an integral part of the program.

PLUMBING, HEATING, AND AIR CONDITIONING
Half day, 8:00 am –10:25 am / Year one – 36 weeks, 3 credits
Half day, 11:35 am –2:00 pm / Year two – 36 weeks, 3 credits

Students interested in the plumbing profession can begin their training at the CTC in the Plumbing and Heating program which is a Pennsylvania Builders Association accredited program. They will begin their technical training by learning safe work practices, materials and tools used in the trade and applied mathematical and scientific concepts needed to build a strong foundation for more advanced topics. Our students “learn by doing” by working on a variety of skills trainers and equipment designed to simulate actual field installations. Students also have the opportunity to earn industry recognized certifications such as the OSHA 10 construction safety certification and the EPA Section 608 Refrigerant Transition and Handling certification. Post-secondary opportunities exist for those completing the CTC Plumbing and Heating, and program such as craft apprenticeships where students “earn while they learn” graduating debt-free from industry recognized programs. Associate and Bachelor’s degree programs are available for those choosing careers as sales engineers, designers, and similar professions requiring advanced degrees.

PRECISION MACHINE TECHNOLOGY
Half day, 8:00 am –10:25 am / Year one – 36 weeks, 3 credits
Half day, 11:35 am –2:00 pm / Year two – 36 weeks, 3 credits

This is an instructional program that focuses on the exciting world of manufacturing and prepares individuals with the technical skills required to become a successful machinist. This program includes instruction in basic hand tools, manual machining equipment such as mills, lathes, drill presses, CNC machining equipment, and CAD/CAM systems.

SPORTS THERAPY SCIENCES
Half day, 8:00 am –10:25 am / Year one – 36 weeks, 3 credits
Half day, 11:35 am –2:00 pm / Year two – 36 weeks, 3 credits

Students in the Sports Therapy Sciences program engage in both theoretical instruction and hands-on experiential learning to develop advanced knowledge of human body systems, sports medicine techniques, and health and wellness principles. Through interactive activities, students learn to identify, manage, and treat sports-related conditions and injuries. They also conduct pre-participation health and fitness assessments to design individualized exercise programs tailored to specific needs. These experiences prepare students for continued studies in fields such as athletic training, physical therapy, occupational therapy, exercise physiology, personal training, and other health, fitness, and medical professions. Upon completion of the program, students may sit for a national certification examination in personal training. Students can also earn 3 college credits through College in the High School in partnership with HACC. Graduates who achieve satisfactory NOCTI scores will receive 10 articulated credits toward exercise science programs at Commonwealth University schools.

WELDING TECHNOLOGY
Half day, 8:00 am –10:25 am / Year one – 36 weeks, 3 credits
Half day, 11:35 am –2:00 pm / Year two – 36 weeks, 3 credits

Welding Technology students design, fabricate and repair metal products in the school's shop facilities. They develop skills in testing procedures necessary to meet standards for welding certification and practice welding techniques according to the requirements of the American Welding Society. Utilizing state-of-the-art equipment, students learn shielded metal, gas metal, gas tungsten and flux core arc welding, blueprint reading, oxy-fuel cutting, metal layout and fabrication, computerized numerical control cutting, plasma cutting of sheet and plate metals, and structural and robotic welding. Technical careers range from a metal fabricator to an underwater welder. These opportunities may begin in high school with a Co-Op position providing job experience and a salary. Students who successfully complete the program may receive six college credits from HACC or entry level welder certification. The program is nationally recognized by the AWS (American Welding Society).

This program is offered for a half-day in year one and a full-day in year two.
The program is open to students in the junior year.

COSMETOLOGY
Half day, 8:00 am – 10:25 am / Year one – 36 weeks, 3 credits
Full day, 8:00 am – 2:00 pm / Year two – 36 weeks, 7.5 credits

Cosmetology students learn skills necessary to become a licensed professional in a salon. Major topics include hairstyling, haircutting, perming, chemical relaxing, haircoloring, manicuring, facials and makeup. Students learn the theory and procedures about these topics. When finished with the program and state mandated hours, students must take and pass a state board exam to receive a cosmetology license.

Two CTC programs are offered for a full day, 8:00 A.M. – 2:00 P.M.
The programs are open to seniors.

CULINARY ARTS
Full day, 8:00 am – 2:00 pm / 36 weeks – 7.5 credits

Culinary Arts students operate a contemporary sixty-seat full-service restaurant located within the school. Students plan, prepare, and serve a variety of traditional, ethnic, and contemporary menus as well as cater banquets, dinner meetings, and special events. Students develop artistic skills through ice carvings and special exhibits of pastillage, pumpkin carving, gingerbread, and tallow. Local, state, and national competitions enrich the curriculum which includes appetizers, soups and sauces, vegetables and salads, meat/poultry/seafood/shellfish, desserts, garnishing, catering, service, sanitation, and management. Career opportunities range from a prep cook to eventually an executive chef. and may begin in high school with a Co-Op or clinical positions providing job experience and a salary. Students who successfully complete the program may receive college credits from PA College of Technology, HACC, Johnson & Wales University, Pennsylvania Culinary Institute, WCCC, and The Restaurant School. The program is nationally recognized and accredited by the American Culinary Federation (ACF) and holds Exemplary Status from the ACF.

PASTRY ARTS
Full day, 8:00 am – 2:00 pm / 36 weeks – 7.5 credits

The Lebanon County Career & Technology Center Pastry Arts program was the first nationally accredited secondary baking and pastry art program by the American Culinary Federation Education Foundation (ACF) in the country. Recently they also received Exemplary Status for never having a non-compliance on the accreditation process.

Pastry Arts students produce and market high quality baked products for a contemporary sixty-seat restaurant within the school. They also market their products through their own pastry shop as well as supplying items for school banquets, dinner meetings, community service projects, and specialty events. Students develop artistic skills through the preparation of pastries, confections, and other specialty desserts. Students will create and present a professional portfolio and restaurant programs as an end of the year assessment. Local, state and

national competitions enrich the curriculum which includes: pastry bag skills, cornet skills, cake decorating and assembly, decorative pieces including a Gingerbread House and Pumpkin Carving competition, merchandising, record keeping, and sanitation. Career opportunities range from a baker's helper to a pastry chef and may begin in high school with a Co-Op position providing job experience and a salary. Students who successfully complete the program may receive college credits from Johnson & Wales, West Moreland Community College, PA College of Technology, Harrisburg Area Community College, and The Restaurant School at Walnut Hill College.