

2025-2026

CHARTIERS VALLEY
HIGH SCHOOL
PROGRAM OF STUDIES



INSPIRING
EXCELLENCE

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CHARTIERS VALLEY SCHOOL DISTRICT

Mission Statement

The mission of the Charters Valley School District, a community dedicated to shared leadership, is to graduate students who achieve personal success by providing an exceptional academic foundation in a safe, nurturing environment that inspires creativity and innovation while embracing diversity.

Vision Statement

We will inspire excellence in instruction, learning and innovation to prepare our students to achieve personal success.

Core Values

- Demonstrate genuine care, concern and fondness for students
- Adopt an education-centered focus where students come first, followed closely by the needs of their parents
- Develop and nurture healthy, productive and cooperative relationships with colleagues
- Communicate regularly and clearly with students, their families and the community
- Create and cultivate a district-wide Learning Community where all employees and educators are valued
- Encourage innovation and creativity
- Embrace community and regional partnerships.

Alma Mater

Glorious things of thee are spoken,
Home of the red and blue.
N'er to fail and 'ere to conquer,
To thy name we'll always be true.
Spirits lasting thro' the ages,
Never ceasing to proclaim.
Chartiers Valley, now we praise thee,
And may we ever cherish thy name.

(Words by the Chartiers Valley High School's
Chapter of the National Honor Society)

CHARTIERS VALLEY SCHOOL DISTRICT

Board of Directors

Dr. Darren Mariano

Ms. Louise Huehn

Mr. Ed Brosky

Mr. Jeff Choura

Mrs. Kate Drury

Mr. Mitchell Montani

Mr. Herb Ohliger

Mrs. Megan Sexton

Mrs. Lisa Trainor

Dr. Daniel R. Castagna

Superintendent of Schools

Dr. Michael E. Sable

Assistant Superintendent

Dr. Lesley McDonough

High School Principal

Mr. Timothy Joyce

Assistant High School Principal

Mrs. Kristi Schmitt

Assistant High School Principal

PROGRAM INFORMATION

Graduation Requirements	
English	4 Credits
Mathematics	3 Credits
Science	3 Credits
Social Studies	3 Credits
Physical Education & Health	1.5 Credits (.5 must be Health - 9th grade) (.5 PE must be taken in 10th grade)
Electives	10.5 credits
Advisory	1 Credit (.25 per year)
26 Credits (minimum) are required for graduation	

Keystone Graduation Requirements

PDE has established five different pathways by which students may meet the statewide graduation requirements. The Keystone Proficiency and Keystone Composite Pathways rely on student performance in three academic areas (Algebra I, Biology, and Literature), proven to be predictive of postsecondary success; whereas the Career & Technical Education (CTE) Concentrator, Alternative Assessment, and Evidence-Based Pathways were designed to more fully illustrate students' college, career, and community readiness through other student artifacts and experiences.

<https://hs.cvsd.net/academics/graduation-and-keystone-pathways>

Community Service Elective Credit

Students may earn one (1) Community Service Elective credit by completing 120 hours of community service over four (4) years. Students may begin accumulating hours as soon as they complete eighth grade. Proof of hours and a service log should be submitted to the school counselor. Seniors deficient in credits for graduation may obtain a maximum of one (1) Community Service Elective credit by completing a minimum of 120 hours within one (1) calendar year

Independent Study Sport Credit

Senior Student Athletes in good academic standing may earn one elective credit participation in a CVHS JV/Varsity sport as pre-approved by the administration. This Independent Study Sport credit does not count toward QPA and you can only earn one credit maximum. This credit is issued as credit only and does not receive a letter grade. This option does NOT fulfill the PE/Health requirements.

STUDENT SERVICES

School Counseling Department

Chartiers Valley High School Counselors are available to provide all students with academic, personal, social, career, and college/post secondary resources and guidance through a comprehensive school counseling program.

Mrs. Lesley Kunkel, Counselor last names A - F 412.429.2268 lkunkel@cvsd.net

Mrs. Leah O'Malley, Counselor last names G - N 412.429.2629 lomalley@cvsd.net

Mrs. Danyelle Boyd, Counselor last names O - Z 412.429.2271 dboyd@cvsd.net

Ms. Sherry McDowell, Guidance Secretary 412.429.2270
hsguidance@cvsd.net

Resources offered by School Counselors can be found at:
<https://hs.cvsd.net/> "Services" >> "School Counselors"

Scheduling & Course Request Procedures

Scheduling for the following school year is completed in the second semester. Current students (including incoming freshmen) will complete course requests utilizing the online Program of Studies and Infinite Campus course registration feature. All students are required to submit a signed course request summary form.

How to Request Courses

- Log in to Infinite Campus account using the student log-in and password.
- Select Course Registration option from the navigation pane on the left of the screen.
- Select Course Search to search by the course name or the course number.
- To request this course as part of the schedule for next year, click the Request as Elective
- Courses can also be requested as Alternates. Students are required to select 3 Alternates
- When finished, Print Request Summary
- Parent/Guardian must sign and date the printed request summary prior to the student's scheduling meeting with their school counselor.

Students may submit changes to their requests by using the Request Change form until: April 11, 2025,

Students and parents have the opportunity to discuss scheduling with school counselors during classroom sessions and parent events. School Counselors will work with their students to resolve scheduling conflicts prior to the start of the school year.

Scheduling Considerations

Students and parents are encouraged to become familiar with course descriptions found in the Program of Studies. The student's academic performance, interests, aptitude, and ability should also be considered. Courses will be scheduled once during the school year; students are advised to select courses carefully. Students must choose courses that meet the graduation requirements.

English must be scheduled each year. English requirements cannot be met in advance by taking more than one English course during a year. However, students may choose to carry an additional English course as an elective. Students who fail courses that are required for graduation are strongly encouraged to attend summer school, or they may risk delaying graduation. Requests for specific teachers, classes, lunch periods, or similar requests will not be approved.

Daily Schedule of Classes

Chartiers Valley High School is excited to introduce the A Day/B Day schedule, which brings a more balanced and flexible learning experience for students. In this system, classes alternate between A Days and B Days.

- Semester courses will meet on either A Days or B Days.
- Science labs will also meet on either A Days or B Days
- Year-long courses will continue meet everyday regardless of the day

Schedule Change Requests

Changes may be granted if...

A system scheduling error has occurred.

- Student failed a course, needs to repeat it, and the change did not occur.
- Student desires to add an elective (if a seat is available) in the place of a study hall (same period).
- There is an error in the schedule that affects graduation requirements.
- No changes will be made after the first ten (10) days of the school year. Schedule changes will not be granted based on lunch, time/period, or teacher preference. Changes are not guaranteed and must be approved by the principal.

Withdrawal from a Course

Students will be required to meet with their school counselor at the time of the request to discuss and design an intervention plan to be followed for a period of time before a withdrawal/fail grade is approved by the principal.

Withdrawal from a course after the 10th school day will result in a "WF" withdrawal fail course grade on the report card and transcript. "WF" will have a negative impact on the student's GPA/rank.

Course Waivers

A course waiver can be requested by a parent/student who does not qualify and is not recommended for a course. The deadline to request a waiver is April 11, 2025. A meeting with a building principal to review the student's academic history will be required prior to the waiver being approved and applied to the student's schedule.

Canceled Courses

The courses available during student registration are not guaranteed to be offered during the following school year. Specifically, factors such as school resources and lack of student demand for a particular course may result in the cancellation of a course. Any course with fewer than sixteen registered students will not be offered.

Career Exploration and Student Portfolios

The Pennsylvania Department of Education (PDE) requires schools to ensure that students have access to career exploration based on the Pennsylvania Academic Standards for Career Education and Work. PDE requires all students to have an individualized, comprehensive career portfolio guided by career exploration and activities that are standards-aligned with Career Awareness and Preparation, Career Acquisition, Career Retention and Advancement, and Entrepreneurship. Grade-level designed lessons are facilitated by school counselors, English and Social Studies projects/assignments, and student participation in the Advisory Program. High School students will maintain required evidence in Naviance Student. High school students are assigned to a small group "Advisory" led by a teacher. Advisory groups meet once per month using an alternative bell schedule. Advisory lessons cover a variety of topics including career exploration, post-secondary planning, and financial literacy.

Naviance Student

Naviance is an online student portfolio that helps students plan and organize high school goals, research colleges, explore careers, and keep track of the post-secondary application process.

Student Login: <https://student.naviance.com/chartiersvhs>

By the end of 11th grade, every student must have a career portfolio containing:

- Career exploration evidence required from grades K-8
- Eight additional pieces of evidence collected during the 9-11 grade span
- At least two pieces of evidence from grades 9-11 showing implementation of the student's individualized career plan

Below are the scheduled lessons and activities completed at each grade level. Additional activities may be added as appropriate.

Advisory Program

Grade 9: Financial Literacy, Personality Type and Career Exploration, Intro to Resumes, Parkway West CTC Informational Presentation, Entrepreneurship, Career Interview

Grade 10: Job Searching & Interviewing, Financial Literacy, Career Clusters, Road trip Nation Career Exploration, Career Interest Inventory, Career Research Paper

Grade 11: College or Alternative Scavenger Hunt, Local Career Opportunities, Resume Writing Review, Career Relocation Project

Grade 12: Job Interviewing, Resume Review and Mock Interviews, Financial Literacy

GRADING AND REPORTING OF GRADES

Grade Reporting

Grades will be issued at the conclusion of each quarterly grading period (9-weeks) and can be found on Infinite Campus. Student report cards will not be printed or mailed home unless a request is made.

Grading Scale Including Weighted Courses

Chartiers Valley High School participates in both the Advanced Placement Program of the College Entrance Examination Board as well as College in the High School (CiHS). Both programs offer potential college credits for students who successfully meet the conditions of the programs. Both AP and CiHS classes follow the 5.5 weighted scale. Honors courses are also offered and follow a 5.0 weighted scale.

PERCENTAGE	GRADE	STANDARD QUALITY POINT AVERAGE*	HONORS COURSES	CIHS & ADVANCED PLACEMENT
97-100%	A+	4.5	5.0	5.5
93-96%	A	4.25	4.75	5.25
90-92%	A-	4.0	4.5	5.0
87-89%	B+	3.5	4.0	4.5
83-86%	B	3.25	3.75	4.25
80-82%	B-	3.0	3.5	4.0
77-79%	C+	2.5	3.0	3.5
73-76%	C	2.25	2.75	3.25
70-72%	C-	2.0	2.5	3.0
67-69%	D+	1.5	2.0	2.5
63-66%	D	1.25	1.75	2.25
60-62%	D-	1.0	1.5	2.0
59% & below	F	0	0	0

DEPARTMENTS & COURSES

Applied Engineering & Technology

6969	Engineering	6941	Graphic Design 1	6961	CAD 1
6970	Advanced Engineering	6942	Graphic Design 2	6962	CAD 2
6967	Integrated Shop	6943	Advanced Graphic Design	6963	Robotics 1
6968	Advanced Integrated Shop	6951	Video Production 1	6964	Robotics 2
6911	Architecture 1	6952	Video Production 2	6966	Aviation Technology (UAV)
6912	Architecture 2	6509	CiHS Advanced Video Broadcasting		

Art

7107	Exploratory Art (9-11)	7476	Digital Art & Design	7110	Sculpture
7111	Exploratory Art (12)	7121	Drawing	7460	AP Studio Art
7103	Animation	7123	Advanced Drawing	7480	Advanced Digital Art & Design
7118	Ceramics	7120	Painting	7455	Honors Digital Art
7119	Advanced Ceramics	7122	Advanced Painting	7451	AP 2D Design
7105	Crafts & Mixed Media	7109	Printmaking		

Business

6010	Accounting 1	6051	Personal Finance
6056	Accounting 2	6047	Brewing Innovations: Inclusion, Business, & Science 1
6041	Retail Operations 1	6048	Brewing Innovations: Inclusion, Business, & Science 2
6042	Retail Operations 2	6065	Marketing Dynamics
		6080	Sports and Entertainment Marketing

Career Opportunities

6090

Work Experience

Computer Science

6062

AP Computer Science Principles

2653

CiHS C++

2635

AP Computer Science A

2618

Introduction to Artificial Intelligence & Machine Learning

2612

Introduction to Computer Programming

English

1000

EL

1211

English 10/ Composition 2

1426

Advanced World Literature 12
Voices in World Literature &
College Writing

1102

Resource English 1

1231

English 10 Advanced/Composition
2

1360

AP Seminar

1111

English 9/Composition 1

1232

Honors English 10/Composition 2

1365

AP Research

1131

English 9 Advanced/
Composition 1

1324

Language and Composition

1350

AP Language & Composition

1132

Honors English
9/Composition 1

1325

Advanced Language &
Composition /11

1355

AP Literature & Composition

1202

Resource English 2

1422

World Literature 12/Composition 4

1502

CiHS Communications/
Rhetoric

Mathematics

2104	Foundations of Pre-Algebra Skills	2143	Honors Algebra 2	2403	Honors Pre-Calculus
2111	Pre-Algebra Skills	2211	Cognitive Geometry	2413	CiHS Calculus
2124	Resource Algebra	2212	Combined Geometry	2423	AP Calculus AB
2122	Algebra 1	2244	Honors Combined Geometry	2430	AP Calculus BC
2131	Cognitive Algebra 2	2145	Algebra 3	2515	AP Statistics
2132	Algebra 2	2313	Trigonometry/Analysis	2516	Analytics and Statistics in Sports

Performing Arts

7502	Concert Choir	8057	Dance & Communications 1	8056	Dance Production & Communications
7506	Varsity Choir	8058	Dance and Communications 2	8100	Introduction to Theatre Arts
7511	Band	8059	Dance and Communications 3	8201	Acting 1
7521	Orchestra	8060	Dance and Communications 4	8202	Acting 2 & 3
8040	Introduction to Dance	8061	Dance and Communications 5	7542	Music Theory

Physical Education

8032	Physical Education	8038	Partners in Physical Education
8025	Health	8070	Personal Fitness & Healthy Living
8514	CiHS Nutrition		Dance (See Performing Arts)

Science

3221	Biology	3332	Honors Chemistry	3445	AP Physics 2
3133	Honors Biology	3341	AP Chemistry	3450	AP Physics C: Mechanics
3210	Physical Science	3350	Anatomy & Physiology	3455	AP Physics C: Electricity and Magnetism
3209	Exploration of Life on Earth	3422	Physics	3442	AP Biology
3331	Chemistry	3441	AP Physics 1	3370	Biomedical Innovation

Social Studies

4000	Development of the United States	4006	Honors World Cultures	4346	AP U.S. Government and Politics
4002	Honors Development of the United States	4010	Contemporary US/Global Studies	4348	AP United States History
4005	World Cultures	4345	CiHS Shaping of the Modern World	4407	Law and Government

World Languages

5011	French 1	5108	Spanish 1	5114	CiHS Spanish 4
5012	French 2	5110	Spanish 2	5116	AP Spanish Language
5013	French 3	5112	Spanish 3	5117	Spanish Communication through Contemporary Topics

Parkway West Career & Technical Center

9119 9319	Automotive Technology	9161 9361	Culinary Arts	9185 9385	Public Safety Technology
9137 9337	Construction Technology	9190 9389	Graphic Arts & Production Technology	9375 9376	Sports Medicine and Rehabilitation Therapy Technology (SMARTT)
9143 9343	Cosmetology	9173 9373	Health Occupations Technology	9193 9402	Veterinary Assistant Technology
9155 9355	Cyber Security & Networking Technology	9238	Chemical Properties in Practice	9234	Principles of Technology
9223	World History	9220	US History	9221	U.S. History II

Applied Engineering & Technology (AET)

<u>Engineering</u>		6969	1 Credit	Unweighted	Year
Course Description	<p>This hands-on course introduces students to engineering through problem-solving, design, and 3D modeling software. Students apply math and science concepts while exploring topics like mechanisms, structural strength, materials, and automation. Emphasizing the engineering design process, they work individually and in teams to develop solutions, progressing from guided activities to open-ended projects. Skills in research, collaboration, and technical documentation prepare students for future studies in engineering and related fields.</p>				
Prerequisites	<ul style="list-style-type: none"> Grades 9-12 				
<u>Advanced Engineering</u>		6970	1 Credit	Unweighted	Year
Course Description	<p>This course explores the innovative world of modern manufacturing, electronics, and engineering problem-solving. Students will learn about manufacturing processes, product design, robotics, and automation while working with 3D printers and CNC equipment. Emphasizing real-world challenges, students will tackle open-ended problems, developing multiple solutions through research, collaboration, and hands-on prototyping. By applying skills from previous engineering courses, students will refine their ability to think critically, design effectively, and create functional models, preparing them for careers in engineering and advanced manufacturing.</p>				
Prerequisites	<ul style="list-style-type: none"> Grades 10-12 Successful completion of Engineering 				
<u>Integrated Shop</u>		6967	1 Credit	Unweighted	Year
Course Description	<p>This course introduces students to foundational woodworking and metalworking skills with a focus on safety, craftsmanship, and technical proficiency. In woodworking, students will learn safe machine operation, material selection, and basic joinery techniques. In metalworking, they will explore essential processes such as pattern making, bending, shearing, and cutting. Through hands-on projects that integrate both disciplines, students will develop problem-solving abilities, creativity, and practical trade skills, making this course ideal for those interested in hands-on learning and technical craftsmanship.</p>				
Prerequisites	<ul style="list-style-type: none"> Grades 9-12 				

<u>Advanced Integrated Shop</u>		6968	1 Credit	Unweighted	Year
Course Description	This course builds on the foundational skills from Integrated Shop, offering students an advanced, hands-on experience in woodworking and metalworking. Students will refine their craftsmanship through advanced joinery techniques such as raised panel construction and pocket-hole joinery. Students will also expand their skills with processes like spot welding, advanced folding, and CNC Plasma Cutting. Students will complete projects that integrate both wood and metal materials, enhancing their problem-solving abilities, technical skills, and career readiness in skilled trades and manufacturing.				
Prerequisites	<ul style="list-style-type: none"> • Successful completion of Integrated Shop • Grades 10-12 				
<u>Architecture 1</u>		6911	.5 Credit	Unweighted	Semester
Course Description	Architecture 1 introduces high school students to ideas, principles, and methods of exploring architectural problems in a beginner setting. This introductory course will teach students how to understand architecture as both a cultural expression and technical achievement. Review of classic buildings and hands-on exercises in drawing and modeling will bring students closer to understanding the work of architects. Students will look at some of the design aspects of Architecture, such as composition, form, space and hierarchy, and then create a virtual 3D model home that helps define their design. The semester course is open to high school students who are interested in exploring a career in architecture.				
Prerequisites	<ul style="list-style-type: none"> • Grades 9-12 				
<u>Architecture 2</u>		6912	.5 Credit	Unweighted	Semester
Course Description	As an advancement to the Architecture 1 course, Architecture 2 is a continuation class that builds on the ideas, principles, and methods of architectural problems in an advanced application setting. Students will create and design advanced virtual 3D commercial building models. The course is open to high school students who are interested in exploring a career in architecture.				
Prerequisites	<ul style="list-style-type: none"> • Successful completion of Architecture 1 • Grades 10-12 				
<u>Graphic Design 1</u>		6941	.5 Credit	Unweighted	Semester
Course Description	This introductory course is intended to give each student experience in different areas of visual communications. Topics include digital photography, image manipulation, screen printing t-shirts, vinyl decal production, and offset press printing. All projects will be designed using Adobe® CC products, including Photoshop, Illustrator, and Lightroom. This course is for students who enjoy taking pictures, designing, creating, making, or editing. This course is a fundamental course for all other graphic design courses.				
Prerequisites	<ul style="list-style-type: none"> • Grades 9-12 				

<u>Graphic Design 2</u>		6942	.5 Credit	Unweighted	Semester
Course Description	This course is an extension of the Graphic Design 1 course. Topics covered include digital drawing, tracing typography and text effects, creating print advertisements, editing and retouching images, designing and creating a logo, print design layouts, and conducting a design critique. This course encourages creativity with exciting projects. Each student will learn advanced techniques in Adobe Illustrator, Photoshop, and Lightroom as well as principles of great graphic design. Projects include multi-colored vinyl decals, t-shirts, glass etching, photography, image manipulation, and 3D Printing				
Prerequisites	<ul style="list-style-type: none"> • Successful completion of Graphic Design 1 • Grades 10-12 				
<u>Advanced Graphic Design</u>		6943	1 Credit	Unweighted	Year
Course Description	Advanced Graphic Design integrates design principles and software, typography, digital illustration, digital imaging, and page layout. Individual and collaborative work is expected, including branding and packaging as well as prototyping for interactive media. Each student is responsible for production of design products, critiquing of designs, portfolio preparation and presentation. The design process will be explored further, and students will be given more challenging graphic tasks and assignments, which will include logo design. Activities call for students to apply problem solving methodology to analyze and formulate real world solutions. Career options will be explored in the fields of Marketing, Advertising, and Graphic Design.				
Prerequisites	<ul style="list-style-type: none"> • Successful completion of Graphics 1 & 2 				
<u>Video Production 1</u>		6951	.5 Credit	Unweighted	Semester
Course Description	This course expects a high level of creativity and a willingness to think outside the box. Projects are challenging and require time and thought to complete. Projects include learning proper interview and filming techniques. Each student will continue to learn advanced techniques in Adobe Premiere. Students will work on projects, such as Commercials, PSA, Music Videos and show introductions. This course is a must for students who are interested in CVTV or want to be a part of the high school morning show.				
Prerequisites	<ul style="list-style-type: none"> • Grades 9-12 				
<u>Video Production 2</u>		6952	.5 Credit	Unweighted	Semester
Course Description	This course is an extension of video production 1, and there is an expectation of a high level of creativity and a willingness to think outside the box. Projects are challenging and require more time and thought to complete, including learning proper green screen techniques to film green screen videos. Each student will continue to learn advanced techniques in Adobe Premiere. Students will work on projects, such as Commercials, PSA, Music Videos, and show introductions. Toward the end of semester, students will begin to work on small group morning shows to air on CVTV. This course is a must for students who are interested in CVTV or want to be a part of the high school morning show.				
Prerequisites	<ul style="list-style-type: none"> • Completion of Video Production 1 				

<u>CiHS Advanced Video Broadcasting</u>		6509	1 Credit	5.5 Weight	Year
Course Description	This course is CiHS through Point Park University. Students could receive 3 college credits by meeting Point Park University criteria. Students will build off their skills they learned in Video Production 1 and 2. Students will write and produce projects of exceptional quality and will be able to watch and engage in critical thinking based on advanced video techniques. Each student who enrolls in this course should have a great deal of self motivation, time management skills, and creativity. Students will film their own original work and continue their work with Premiere to enhance and master their video editing skills.				
Prerequisites	<ul style="list-style-type: none"> • Successful completion of Video Production 1 & 2 				
<u>CAD 1</u>		6961	.5 Credit	Unweighted	Semester
Course Description	The CAD (Computer Aided Drafting) 1 introductory course teaches students how to use the computer as a drafting tool to meet today's demand for computer literate draftsmen and engineers. Students will implement industry standard Autodesk applications and create scaled 3D models of some of their designs using various materials to simulate a working architectural model.				
Prerequisites	<ul style="list-style-type: none"> • Grades 9-12 				
<u>CAD 2</u>		6962	.5 Credit	Unweighted	Semester
Course Description	This course is designed to provide students with an opportunity to pursue skills and applications in CAD (Computer Aided Drafting) and Architectural Design Technologies. Areas of study will include but are not limited to geometric construction, orthographic projection, advanced practices in dimensioning, sectioning, auxiliary view systems, pictorial systems, architectural drawings, and computer aided drafting. This will result in the development of skills for a career in architectural planning, design, and drawing. Students will also be given the opportunity to receive a certificate of proficiency through Autodesk.				
Prerequisites	<ul style="list-style-type: none"> • Grades 10-12 • 75% or better in CAD 1 				
<u>Robotics 1</u>		6963	.5 Credit	Unweighted	Semester
Course Description	This course will introduce students to the design, construction, and programming of robotic systems. Students will acquire a basic understanding of the many types and operational capabilities of robots along with the programming and use of robots in manufacturing. Teamwork and problem solving will be emphasized throughout the course.				
Prerequisites	<ul style="list-style-type: none"> • Grades 9-12 				

<u>Robotics 2</u>		6964	.5 Credit	Unweighted	Semester
Course Description	This course will expand on the capabilities and programming opportunities in the world of robotics. Students will add coding and external input devices to their robots to enable them to operate autonomously. Students will have to program their robots to complete mazes and obstacle courses without human guidance.				
Prerequisites	<ul style="list-style-type: none"> Grades 10-12 Completion of Robotics 1 				
<u>Aviation Technology (UAV)</u>		6966	.5 Credit	Unweighted	Semester
Course Description	In this course students will learn the history and basic information of aviation and aerospace, including drones. Students will learn through hands-on experiences, including flying mini-drones and progressing to professional drones. This course will instruct students in UAV flight navigation, industry law and regulations, and safety regulations, as well as mission planning procedures, environmental factors, and human factors in the UAV industry.				
Prerequisites	<ul style="list-style-type: none"> Grades 9-12 				

ART

<u>Exploratory Art (9-11)</u>		7107	1 Credit	Unweighted	Year
Course Description	Exploratory Art (9-11) is an introductory studio art course that will introduce and analyze the principles and elements of art, which will be used to effectively complete projects throughout the semester. Students will be introduced to a variety of fine art mediums, such as drawing, painting, printmaking, graphic design, and sculpture. Exploratory Art (9-11) will meet the developmental and cognitive needs of the students at their respective grade level.				
Prerequisites	<ul style="list-style-type: none"> Grades 9-11 				
<u>Exploratory Art (12)</u>		7111	1 Credit	Unweighted	Year
Course Description	Exploratory Art (12) grade is an introductory studio art course that will discuss the principles and elements of art in relation to projects completed throughout the semester. Students will be introduced to a variety of fine art mediums such as drawing, painting, printmaking, graphic design and sculpture. This course will focus primarily on real world application of artistic practices. The student will develop skills that would be used in a professional or entrepreneurial manner. Contemporary and historical artists and styles will also be explored to enhance student understanding of the creative process. Exploratory Art (12) will meet the developmental and cognitive needs of the students at their respective grade level.				
Prerequisites	<ul style="list-style-type: none"> Grade 12 only 				

<u>Animation</u>		7103	1 Credit	Unweighted	Year
Course Description	Animation is an introductory design course in which students express their visual creativity through drawing, storytelling, and other visual mediums. Students will explore the international history and evolution of animation through character design, the natural flow and movement of objects, background development, lighting, and stage design. Multiple traditional and digital animation processes will be explored and investigated throughout the course. Students will be able to identify and utilize animation terminology, tools, concepts, and processes.				
Prerequisites	<ul style="list-style-type: none"> Grades 9-12 				
<u>Ceramics</u>		7118	.5 Credit	Unweighted	Semester
Course Description	Ceramics is an introductory studio course consisting of both hand built and wheel thrown methods of construction. This course will include the examination of clay, glazing techniques, decoration methods, and firing procedures. Students will learn to use the slab construction, coil built, pinch pot, and hand thrown techniques to create clay projects. Students will be able to utilize, identify, and name ceramic tools, clay bodies, and construction techniques. Additionally, students will become familiar with ceramic terminology, the firing process, and design process implementation.				
Prerequisites	<ul style="list-style-type: none"> Grades 9-12 				
<u>Advanced Ceramics</u>		7119	1 Credit	Unweighted	Year
Course Description	This advanced studio course refines students' skills in both hand-built and wheel-thrown ceramic construction. Students will deepen their understanding of clay, glazing techniques, decoration methods, and firing procedures while advancing their proficiency in slab construction, coil building, and wheel throwing. Emphasis will be placed on creativity, craftsmanship, and technical mastery as students develop complex and personalized ceramic projects.				
Prerequisites	<ul style="list-style-type: none"> Grades 10-12 Successful completion of Ceramics 				
<u>Crafts & Mixed Media</u>		7105	.5 Credit	Unweighted	Semester
Course Description	Crafts & Mixed Media is an introductory studio course intended for students who are interested in the creative process but not interested in the fine art aspects (drawing/painting). Students will learn about the art and craft of various cultures while creating works of art. Students will get to experience working with a variety of different mediums, such as paint, clay, fabric, metal, wood, and yarn, while learning multiple studio techniques. Examples of the skills that may be developed include macramé, decoupage, charted designs, basketry, weaving, quilting, knitting, crocheting, paper craft, bookbinding, and stamping. Real-world applications will be explored, such as the work and entrepreneurial opportunities available on social media sites like Etsy and Pinterest.				
Prerequisites	<ul style="list-style-type: none"> Grades 9-12 				

<u>Digital Art & Design</u>		7476	1 Credit	Unweighted	Year
Course Description	Deep exploration into digital fine art techniques, styles, and processes are the focus of this course. Traditional design principles and art making processes will be utilized, reexamined, and reevaluated along with non-traditional and cutting edge technologies in order to create uniquely contemporary artwork. Twenty-first century artists, processes, and mediums will be explored in order to address a diversity of current themes and issues. Themes include digital painting, image manipulation, compositing, typography, vector drawing, image transfer, and traditional/digital art hybrids.				
Prerequisites	<ul style="list-style-type: none"> Grades 9-12 				
<u>Drawing</u>		7121	1 Credit	Unweighted	Year
Course Description	Drawing is an introductory studio course that will focus on the development of observational skills and drawing techniques. Projects will include the exploration of a wide range of drawing media and drawing surfaces. Students will use pencil, charcoal pencils, colored pencils and pastels to create observational still life and portraiture drawings along with non-representational subject matter. Traditional and non-traditional methodology will be incorporated, placing emphasis on experiences with design principles and a variety of drawing techniques.				
Prerequisites	<ul style="list-style-type: none"> Grades 9-12 				
<u>Advanced Drawing</u>		7123	1 Credit	Unweighted	Year
Course Description	This course builds upon foundational drawing skills, allowing students to refine techniques and develop a personal artistic style. Students will explore various drawing approaches, including observational, portraiture, landscape, and abstraction, while working with graphite, colored pencils, charcoal, and pastels. The second half of the course focuses on independent exploration, where students create a cohesive body of work reflecting their artistic interests. Emphasis will be placed on composition, technical mastery, and conceptual development, culminating in an artist statement that articulates their creative vision.				
Prerequisites	<ul style="list-style-type: none"> Grades 10-12 Successful completion of Drawing 				
<u>Painting</u>		7120	1 Credit	Unweighted	Year
Course Description	Painting is an introductory studio course that will explore the transparent media of watercolor painting, opaque acrylic painting, and other paint media. Specific projects will address matters in the areas of still-life, portrait, landscape, and abstract painting. Students will also explore the concepts of color, light, texture and composition throughout the painting process. Students will be able to utilize, identify, and name painting tools, materials, and painting techniques. A major emphasis is on experiencing a variety of techniques and creating composition through observation.				
Prerequisites	<ul style="list-style-type: none"> Grades 9-12 				

<u>Advanced Painting</u>		7122	1 Credit	Unweighted	Year
Course Description	This course allows students to refine their painting techniques while developing a personal artistic style. Emphasis will be placed on genre painting (still life, portraiture, and landscape), composition, and color theory using acrylics, watercolors, and additional mediums such as gouache, watercolor pencils, and oils. In the second half of the course, students will focus on creating a cohesive body of work that reflects their individual artistic interests, culminating in an artist statement explaining their creative choices. This course encourages experimentation, technical mastery, and personal expression.				
Prerequisites	<ul style="list-style-type: none"> Grades 10-12 Successful completion of Painting 				
<u>Printmaking</u>		7109	.5 Credit	Unweighted	Semester
Course Description	Printmaking is an introductory studio course that will provide students with the opportunity to learn the various methods of creating multiple copies from a single image through the printmaking process. Drypoint etching, linoleum reduction print, monoprint, and collagraph printmaking are a few of the techniques that will be practiced in class. Students will be immersed in the distinctive nature of printmaking including the study of tools, inks, paper, plate preparation, registration, printing processes and qualities of prints (e.g. overlays, transparency, offset, and multiple images). Historical relevance and contemporary interpretation of the printmaking process will be discussed in relation to student work.				
Prerequisites	<ul style="list-style-type: none"> Grades 9-12 				
<u>Sculpture</u>		7110	.5 Credit	Unweighted	Semester
Course Description	Sculpture is an introductory studio course that will explore three-dimensional design while developing both useful and sculptural forms. Students will explore the element of form using a variety of materials such as clay, plaster, wood, and metals. Students will gain knowledge in additive, subtractive, and assemblage techniques as sources of construction. Historical and contemporary concepts ranging from representational figures to abstract forms will be investigated. Creativity and quality craftsmanship will be strongly emphasized.				
Prerequisites	<ul style="list-style-type: none"> Grades 9-12 				
<u>AP Studio Art</u>		7460	1 Credit	5.5 Weight	Year
Course Description	This course is designed for students who are seriously interested in the practical experience of art. Students will create a portfolio of works including drawing, painting, printmaking, and mixed media, which will be submitted to the College Board for evaluation at the end of the year. For a full course description please visit: http://apcentral.collegeboard.com				
Prerequisites	<ul style="list-style-type: none"> Teacher recommendation 				

Advanced Digital Art & Design		7480	1 Credit	Unweighted	Year
Course Description	Along with deeper exploration into digital fine art techniques, styles, and processes, this course will focus on design principles and elements to advance students' digital vocabulary. Individual style and artistic voice will be examined and developed as students delve into the digital art realm. Students will utilize digital painting, image manipulation, compositing, vector drawing, animation, and image transfer. Traditional/digital art hybrids will be explored, and students will develop their own work methods and processes.				
Prerequisites	<ul style="list-style-type: none"> • 90% in Digital Art & Design • Teacher recommendation 				
Honors Digital Art		7455	1 Credit	5.0 Weight	Year
Course Description	This is a preparatory course designed for 11th grade students who are interested in taking AP Digital Art in their senior year. Students will build upon and utilize prior digital multimedia concepts and techniques in order to begin creating a personalized design portfolio. All course work will foster individualized creative problem solving, wherein students will be responsible for all stylistic and design considerations. This course will lay the groundwork for the AP Digital Art course by giving students a head start in creating a portfolio that is reflective of a unique and personal artistic voice.				
Prerequisites	<ul style="list-style-type: none"> • 90% in Digital Art & Design 				
AP 2D Design		7451	1 Credit	5.5 Weight	Year
Course Description	AP 2D Design is open to all juniors and seniors and aims to provide the experience of creating a series of artworks directed by each student's own individual passions and interests. Students will initially be guided through a course of teacher-led projects to increase their understanding of design concepts, principles, and production techniques. There will be exposure to a variety of processes including but not limited to digital photography, collage, image manipulation, illustration, and digital painting. Students will then build on this knowledge while creating a portfolio of work focusing on utilizing design techniques and individual student concepts. Please visit http://apcentral.collegeboard.com for a full course description.				
Prerequisites	<ul style="list-style-type: none"> • Grades 11-12 				

Business

<u>Accounting 1</u>		6010	1 Credit	Unweighted	Year
Course Description	<p>Since accounting is known as the Language of Business, a working knowledge of it is desirable for many career paths, including general management, marketing, finance, and real estate. This first-year course in the accounting program is excellent for both professional and personal use. The emphasis is on understanding the complete accounting cycle for a business operated as a sole proprietorship. Business transactions will be analyzed, classified, and recorded using both manual and computerized accounting systems. The fundamental principles of double-entry bookkeeping, financial statements, trial balances, worksheets, special journals, adjusting entries, and closing entries will be introduced. Enrollment in this course provides a solid foundation of the basics needed for organizing both personal and professional financial information and assists with the transition to college-level accounting principles.</p>				
Prerequisites	<ul style="list-style-type: none"> Grades 9-12 				
<u>Accounting 2</u>		6056	1 Credit	Unweighted	Year
Course Description	<p>Accounting 2 is a continuation and expansion of the concepts introduced in Introduction to Accounting. However, the emphasis is on understanding the complete accounting cycle for a business operated as a corporation. Corporate business transactions will be analyzed, classified, and recorded using both manual and computerized accounting systems. The fundamental principles of double-entry bookkeeping along with subsidiary ledgers and special journals, payroll accounting, planning and recording account allowances and adjustments, and preparing and analyzing corporate financial information will be discussed. Enrollment in this course will add to students' solid foundation of accounting basics and further assist with the transition to college-level accounting principles.</p>				
Prerequisites	<ul style="list-style-type: none"> Successful completion of Introduction to Accounting 				
<u>Retail Operations 1</u>		6041	1 Credit	Unweighted	Year
Course Description	<p>Students in this class will receive real-world experience through the daily operations and management of a retail school store (The Horseshoe). The Horseshoe specializes in providing the student and staff of the high school, along with the entire Chartiers Valley community, school-spirit apparel, accessories, and novelty items. Students will be responsible for learning every aspect of operating this business, including product design and development, purchasing inventory, scheduling, inventory control, marketing, merchandising, financial reporting, advertising, and social media management. This course will require students to operate the school store outside of regular school hours. Students interested in enrolling in this class are required to complete a job application and will go through a typical interview process.</p>				
Prerequisites	<ul style="list-style-type: none"> Students interested in enrolling in this class are required to complete a job application and will go through a typical interview process. 				

<u>Retail Operations 2</u>		6042	1 Credit	Unweighted	Year
Course Description	Students in this class will continue to receive ongoing and enriched instruction as well as real-world experience through the daily operations and management of a retail school store (The Horseshoe). The Horseshoe specializes in providing the student and staff of the high school, along with the entire Chartiers Valley community, school-spirit apparel, accessories, and novelty items. Students will be responsible for learning every aspect of operating this business including product design and development, purchasing inventory, scheduling, inventory control, marketing, merchandising, financial reporting, advertising, and social media management. This course will require students to operate the school store outside of regular school hours. Students interested in enrolling in this class are required to complete a job application and will go through a typical interview process.				
Prerequisites	<ul style="list-style-type: none"> • Successful completion of Retail Operations 1 				
<u>Personal Finance</u>		6051	.5 Credit	Unweighted	Semester
Course Description	Students will learn fundamental personal finance skills that will prepare them for financial independence. Understanding money management, investments, wealth building, credit and debit, real estate, earning potential, and consumer awareness are topics explored throughout this course. Critical thinking skills, such as analyzing real-world situations, decision-making, problem solving, and goal setting, are also developed in Foundations of Personal Finance.				
Prerequisites	<ul style="list-style-type: none"> • Grades 9-12 				
<u>Brewing Innovations: Inclusion, Business & Science 1</u>		6047	1 Credit	Unweighted	Year
Course Description	Students in this course will receive real-world entrepreneurial experience through the daily operations and management of the school coffee shop, The Coffee Tree Roasters. Students have the opportunity to learn every aspect of operating our business. Working closely with Life Skills students, business students will be responsible for product design and development, purchasing inventory, scheduling, inventory control, marketing, publicity, financial reporting, social media management, and event planning. Moreover, the science behind the brewing will be analyzed as students also learn about the scientific principles behind the art of coffee making, such as how coffee turns caffeine into something that the human body is able to process and consume safely. This fusion of business and science will enhance students' understanding of product development and quality control, making them well-rounded entrepreneurs.				
Prerequisites	<ul style="list-style-type: none"> • This course will require students to operate the coffee shop outside of regular school hours. • Students interested in enrolling in this class are required to complete a job application and will go through a typical interview process. 				

<u>Brewing Innovations: Inclusion, Business & Science 2</u>		6048	1 Credit	Unweighted	Year
Course Description	<p>Students in this course will receive real-world entrepreneurial experience through the daily operations and management of the school coffee shop, The Coffee Tree Roasters. Students have the opportunity to learn every aspect of operating our business. Working closely with Life Skills students, business students will be responsible for product design and development, purchasing inventory, scheduling, inventory control, marketing, publicity, financial reporting, social media management, and event planning. Moreover, the science behind the brewing will be analyzed as students also learn about the scientific principles behind the art of coffee making, such as how coffee turns caffeine into something that the human body is able to process and consume safely. This fusion of business and science will enhance students' understanding of product development and quality control, making them well-rounded entrepreneurs.</p> <p>This course is only offered to seniors previously enrolled in Brewing Innovations: Inclusion, Business & Science 1 and who earned a grade of 85% or higher. Seniors enrolled in this course will be expected to fulfill a mentorship role to underclassmen to ensure successful sustainability.</p>				
Prerequisites	<ul style="list-style-type: none"> • This course is for seniors who successfully earned a grade of 85% or higher in Brewing 1 • This course will require students to operate the coffee shop outside of regular school hours. 				
<u>Marketing Dynamics</u>		6065	1 Credit	Unweighted	Year
Course Description	<p>Designed for students who are interested in the field of marketing, this course provides an in-depth look into marketing theories, approaches and functions. Students will also have the opportunity to investigate the marketing approaches used in various media. Also incorporated are the development of the thought process and skills needed to successfully market a new product, develop new products, and gather product and customer research. The second half of the year will focus on implementing and analyzing the concepts learned through projects, simulations, and hands-on applications. Students will be given the opportunity to expand their acquired basic knowledge by exploring more specific concepts, career opportunities, and current issues facing many different areas of marketing (including sports and entertainment, hospitality, travel and tourism, internet, and retail). This course is open to all grade levels.</p>				
Prerequisites	<ul style="list-style-type: none"> • Grades 9, 10, 11, & 12 				
<u>Sports and Entertainment Marketing</u>		6080	.5 Credit	Unweighted	Semester
Course Description	<p>Sports and Entertainment Marketing is a semester specialized course designed to offer students an opportunity to gain knowledge and develop skills related to the growing sports and entertainment industry. In this course, students acquire transferable knowledge and skills related to the industry of sports, entertainment, and event marketing. Students will develop skills in the areas of merchandising, advertising, public relations/ publicity, event marketing, sponsoring, ticket distribution, and career opportunities as they relate to the sports and entertainment industry.</p>				
Prerequisites	<ul style="list-style-type: none"> • Grades 9, 10, 11, & 12 				

Career Opportunity

<u>Work Experience</u>		6090	1-3 Credits	Unweighted	Year
Course Description	<p>Work experience will provide seniors with a valuable learning experience by integrating the opportunity of employment during the senior year. Work experience offers seniors scheduling flexibility similar to what they will encounter with most postsecondary experiences. Evaluations will include visits to the workplace, monitoring of work hours and schedules, completion of student journals and reflections, independent assignments, and frequent communication between the workplace and school.</p>				
Prerequisites	<ul style="list-style-type: none"> • Grade 12 only • Counselor recommendation • Student training agreement 				

Computer Science

<u>AP Computer Science Principles</u>		6062	1 Credit	5.5 Weight	Year
Course Description	<p>AP Computer Science Principles is designed to introduce students to the central ideas of computer science, instilling the ideas and practices of computational thinking and inviting students to understand how computing changes the world. This rigorous course promotes deep learning of computational thinking skills and engages students in the creative aspects of the field.</p> <p>This course is unique in its focus in fostering students to be creative. Students are encouraged to apply creative processes when developing computational artifacts and to think creatively while using simulations to explore questions that interest them. Rather than teaching a particular programming language or tool, the course focuses on using technology and programming as a means to solve computational problems and create exciting and personally relevant artifacts. Students design and implement innovative solutions using an iterative process similar to what artists, writers, computer scientists, and engineers use to bring ideas to life. This course may be used as a math or science credit.</p>				
Prerequisites	<ul style="list-style-type: none"> • Successful completion of Geometry OR Teacher Recommendation 				

<u>AP Computer Science A</u>		2635	1 Credit	5.5 Weight	Year
Course Description	A highly challenging course that is designed for the motivated student who is planning a career in computer science, business, or any science-related fields. The Advanced Placement (AP) curriculum will be followed and includes an in-depth case study. Students are expected to participate in the AP exam, which occurs in May. This exam requires a thorough knowledge of Java and its programming techniques. This course may be used as a math or science credit.				
Prerequisites	<ul style="list-style-type: none"> • Introduction to Computer Programming • Teacher recommendation 				
<u>Introduction to Computer Programming</u>		2612	1 Credit	Unweighted	Year
Course Description	This course will use a curriculum written in partnership with professors and students at Carnegie Mellon University. In this course, Chartiers Valley students will have the opportunity to work with faculty and/or students from Carnegie Mellon University. Students will get a general introduction to programming techniques by studying errors, graphics, functions, events, loops, and strings. Students will begin learning python, and then the second semester will focus on broader topics and languages.				
Prerequisites	<ul style="list-style-type: none"> • Enrolled in or completed Algebra 1 				
<u>CiHS C++</u>		2653	1 Credit	5.5 Weight	Year
Course Description	College in the High School C++ is affiliated with Duquesne University, and college credit may be earned (purchased) for successful completion of this course. C++ is an advanced programming language that introduces the concepts of objects. This highly structured language enables the student to write code that is organized, precise, and clear. A prior programming language will be very useful in understanding the routines presented in the course. Often, C++ is the first course a freshman engineering/science major will encounter.				
Prerequisites	<ul style="list-style-type: none"> • Introduction to Computer Programming • Teacher recommendation 				
<u>Introduction to Artificial Intelligence & Machine Learning</u>		2618	1 Credit	Unweighted	Year
Course Description	The aim of this course is to demystify the topic of Artificial Intelligence (AI) with students gaining an understanding of AI terminology such as machine learning and deep learning. Students will gain knowledge and skills while considering the social, moral, and ethical impacts of AI systems and usage. Students will explore practical daily applications of AI that are likely to have an impact on their lives. Throughout the course, students will be encouraged to come up with their own designs for areas such as smart cities, homes, and schools. This course will also focus on the ever growing importance of cyber security. Cybersecurity, in partnership with Cyber.org, lays a foundation for understanding cyber law and policy, Linux Operating Systems, networking technology basics, risk assessment, cryptography, and a variety of cyber security tools.				
Prerequisites	<ul style="list-style-type: none"> • Grades 9-12 				

English

<u>EL</u>		1000	1 Credit	Unweighted	Year
Course Description	This course is designed with the needs of non-native English-speakers in mind. The focus is to provide English learners with the skills necessary to fully participate in the content area classes. Students will be given multiple opportunities to make gains in the areas of reading, writing, listening and speaking. EL instruction is designed to address the Pennsylvania Academic Common Core standards. As English Proficiency increases, the rigor of the course content will increase accordingly. Progress will be measured yearly in Winter through the administration of the ACCESS for ELs (WIDA) test.				
Prerequisites	<ul style="list-style-type: none"> • WIDA 				
<u>Resource English 1</u>		1102	1 Credit	Unweighted	Year
Course Description	This course is designed to address the individual needs of students in reading, writing, research, listening, speaking, and critical analysis. Students will explore a wide range of texts, including modern and classic literature, short stories, novels, films, poems, non-fiction articles, and drama. By combining both analytical and creative approaches, the course aims to strengthen students' abilities in reading, writing, speaking, and listening. Through directed reading activities, in-class discussions, and guided essay writing, students will analyze the content, structure, and style of each text to enhance their comprehension, critical thinking, and evaluative skills. The goal is to deepen students' understanding of literature while helping them apply these skills across diverse genres.				
Prerequisites	<ul style="list-style-type: none"> • IEP team decision 				
<u>English 9/Composition 1</u>		1111	1 Credit	Unweighted	Year
Course Description	This course is an introduction to high school level composition and literature curriculum. Each student will further develop those skills needed for the rigors of high school level writing and critical thinking in response to fiction and non-fiction texts. Instruction will be geared to students' ability, such that they can develop the skills necessary to succeed at this level.				
Prerequisites	<ul style="list-style-type: none"> • 8th grade performance data • Teacher recommendation 				

<u>English 9/Advanced Composition 1</u>		1131	1 Credit	Unweighted	Year
Course Description	This course is an introduction to high school level advanced composition and literature curriculum. Each student will further develop the skills necessary in accordance with PDE requirements, as well as those skills needed for the rigors of high school level writing and critical thinking in response to fiction and non-fiction texts. Students will examine the content of literature as well as the writer's style and structure of each assigned piece. Emphasis will be placed on formal, analytical writing and the synthesis of various sources into one cohesive written assignment.				
Prerequisites	<ul style="list-style-type: none"> • 8th grade performance data • Teacher recommendation 				
<u>Honors English 9/Composition 1</u>		1132	1 Credit	5.0 Weight	Year
Course Description	This course is designed to prepare students for the rigorous learning pace and literature of Advanced Placement studies. Students will examine the content of literature as well as the writer's style and structure of each assigned piece. Emphasis will be placed on formal, analytical writing and the synthesis of various sources into one cohesive written assignment. Students will study fiction, non-fiction, drama, and poetry from various time periods and countries of origin.				
Prerequisites	<ul style="list-style-type: none"> • 85% or higher in 8th Grade Literature and English • Teacher recommendation 				
<u>Resource English 2</u>		1202	1 Credit	Unweighted	Year
Course Description	This course is designed to address the individual needs of students by developing language and composition skills, with an emphasis on both reading and writing proficiency. Students will enhance their reading comprehension through analysis, comparisons, and reflection, while also reinforcing essential writing techniques such as grammar, organization, and content development. Through a blend of literary study, research, grammar, and vocabulary enhancement, students will improve their ability to read and analyze both fiction and nonfiction texts. Additionally, students will work on refining verbal and written communication skills, with a focus on practical applications for life beyond high school. Emphasizing community responsibility and preparing students for future endeavors, this course also supports the development of transition skills to help students achieve gainful employment based on their individual interests and abilities.				
Prerequisites	<ul style="list-style-type: none"> • IEP team decision 				
<u>English 10/Composition 2</u>		1211	1 Credit	Unweighted	Year
Course Description	The tenth grade English course is a continuation of the composition and literature curriculum of the high school. Students will read examples of all genres and begin to study them analytically. During this study, they will be encouraged to develop high school level writing, critical thinking and rhetorical methods in response to fiction and non-fiction texts.				
Prerequisites	<ul style="list-style-type: none"> • 9th grade performance data • Teacher recommendation 				

<u>English 10 Advanced/Composition 2</u>		1231	1 Credit	Unweighted	Year
Course Description	This course is a continuation of the high school level advanced composition and literature curriculum. Students will explore the advanced elements of analytical writing as well as grammar and usage. Each student will further those skills needed for the rigors of high school level writing, critical thinking and rhetorical methods in response to fiction and non-fiction texts.				
Prerequisites	<ul style="list-style-type: none"> • 9th grade performance data • Teacher recommendation 				
<u>Honors English 10/Composition 2</u>		1232	1 Credit	5.0 Weight	Year
Course Description	This course will continue the sequential development of language arts skills from the Honors English 9 curriculum and is designed to prepare students for AP courses. An in-depth analysis of literary elements will be emphasized with a focus on traditional as well more modern selections of fiction and non-fiction. Students will learn more advanced methods of poetry analysis and be introduced to rhetorical methods and elements.				
Prerequisites	<ul style="list-style-type: none"> • 80% in Honors English 9 or 90% in Advanced English 9 • Teacher recommendation 				
<u>Language and Composition</u>		1324	1 Credit	Unweighted	Year
Course Description	The emphasis of this course is placed on the reading, writing, and research element of the Pennsylvania Core Standards. The course follows a thematic element of the “Coming of Age,” which students often experience during this period of their life. Each unit will focus, reflect, and revolve around these unique themes associated with the coming of age in reference to direction in life, the responsibilities of a young adult, discovering oneself, etc. Literature will include novels, short stories and poetry selections from American literature. Critical analysis essays, practical and career writing and projects, objective tests, and project based learning assignments will be utilized to evaluate student understanding as it correlates to the Common Core Standards.				
Prerequisites	<ul style="list-style-type: none"> • 10th grade performance data 				
<u>Advanced Language & Composition/11</u>		1325	1 Credit	Unweighted	Year
Course Description	The goal of this course is to have students read complex fiction and nonfiction texts and respond in writing that conveys depth of understanding and meaning. Students will develop close reading and critical thinking skills in order to identify and understand a writer’s argument and methods of persuasion. Students will learn to construct original argumentation through the analysis of the techniques of rhetorical analysis, argumentation and synthesis. In addition, students will learn to write persuasively with evidence and meaningful commentary. Based on the curriculum for AP Language and Composition, the skills mastered in this course provide students with an analytical base, which can be applied to all subject areas.				
Prerequisites	<ul style="list-style-type: none"> • 10th grade performance data • Teacher recommendation 				

<u>World Literature 12/Composition 4</u>		1422	1 Credit	Unweighted	Year
Course Description	Each unit of the course focuses on building literary skills that are needed in the postsecondary world. Analysis of fiction and non-fiction selections, in conjunction with grammar, vocabulary, and writing skills, will further develop student comprehension and the ability to communicate in both written and oral forms as required by the Pennsylvania core standards. In addition, students are prepared for post-secondary communication skills through project oriented assessments and career and practical writing assignments. These assessments reflect the student's ability to think critically, work independently as well as in a group, and comprehend and respond to prompts related to fiction and non-fiction sources.				
Prerequisites	<ul style="list-style-type: none"> • 11th grade performance data • Teacher recommendations 				
<u>Advanced World Literature 12</u> <u>Voices in World Literature & College Writing</u>		1426	1 Credit	Unweighted	Year
Course Description	<p>Advanced World Literature comprises two courses (Voices in World Literature and College Writing) but will be scheduled as a year-long class. Students will switch teachers to take the opposite half of the course at the end of the first semester.</p> <p>Voices in World Literature will explore timeless storylines of literature from all across human history and from all across the globe. Studies will include an exploration of the significance and meaning uncovered from multiple cultures and time periods, from ancient mythology to modern storytelling in various forms and genres. The course is designed as an inquisitive journey that will include pieces ranging from Beowulf to the Beatles' lyrics. Students will be exposed to stories, beliefs and ideas from all around the world in an effort to prepare for life ahead by developing skills in analytical thought and writing.</p> <p>College Writing is designed to help students hone writing skills essential for college. Centered around the theme of identity, students will read and respond to various texts, study the writing process including drafts and revisions, and ultimately write a research paper.</p>				
Prerequisites	<ul style="list-style-type: none"> • 11th Grade Teacher Recommendation 				

AP Seminar		1360	1 Credit	5.5 Weight	Year
Course Description	<p>AP Seminar is an elective course for 10th, 11th or 12th grade students taken on its own or as part of the AP Capstone™ Program. In AP Seminar, students investigate real-world issues from multiple perspectives, gathering and analyzing information from various sources in order to develop credible and valid evidence-based arguments. Students learn to synthesize information from multiple sources, develop their own perspectives in research-based written essays, as well as design and deliver oral and visual presentations both individually and as part of a team. (AP Seminar, College Board, May 2016)</p> <p>In AP Seminar, students are assessed with two through-course performance tasks due at the end of April and a 2-hour end-of-course exam during the AP Exam administration window. All three assessments are summative and will be used to calculate a final AP score (using the 1 to 5 scale) for AP Seminar. (AP Seminar, College Board, May 2016)</p> <p>In order to be successful in this course, students must be able to manage their time effectively and work productively and independently during class time.</p> <p>AP Seminar is a prerequisite for AP Research. Sophomores and Juniors may elect to take AP Research the following year as part of the AP Capstone™ Program requirements.</p>				
Prerequisites	<ul style="list-style-type: none"> • 80% in Honors English, 75% in an AP English course or 90% in Advanced English • Instructor approval required. • Student must have demonstrated a strong work ethic and the ability to complete self-directed projects and to work well in a group. 				
AP Research		1365	1 Credit	5.5 Weight	Year
Course Description	<p>AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000-5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense. (AP Research, College Board, 2017)</p>				
Prerequisites	<ul style="list-style-type: none"> • AP Seminar is a prerequisite for AP Research. Completing AP Seminar and all its required assessment components is necessary for students to develop the skills to be successful in AP Research. (AP Research, College Board, 2017) • Students must score a 3 or higher on the AP Seminar End of Course Exam to be eligible to take AP Research. • Students need to sign an enrollment contract at the beginning of the year. If at the end of the first nine weeks the student is not progressing, the student must withdraw from the course and will be enrolled in another English class if AP Research is meeting the student's English requirement for the year or another elective. 				

<u>AP Language & Composition</u>		1350	1 Credit	5.5 Weight	Year
Course Description	The Advanced Placement course is organized according to the requirements and guidelines of the current AP Language and Composition Course and Exam Description, therefore students are expected to read critically, think analytically, and communicate clearly, both in writing rhetorically and argumentatively. This course is organized by the study of rhetoric. Each unit requires students to acquire and use rich vocabulary, use proper grammar, and understand the importance of diction and syntax in an author's style. The literature will include various nonfiction selections. Students are expected to take the Advanced Placement exam given in May.				
Prerequisites	<ul style="list-style-type: none"> • 80% in Honors English 10, 75% in an AP English course or 90% in Advanced English • Teacher recommendation 				
<u>AP Literature and Composition</u>		1355	1 Credit	5.5 Weight	Year
Course Description	Advanced Placement Literature and Composition is designed to develop reading, analysis and composition skills needed for college bound seniors. In this course, the students learn how to read works of literature perceptively and how to express their responses orally and in written compositions. Students will read novels, dramas, short stories and poetry from many literary periods, from the Renaissance to the very modern. Composition, primarily critical and expository, stresses frequent writing and careful revision, training the student to think and organize clearly and to be direct, lucid and supported by the text. Participation in whole class and small group discussions is essential. Students are expected to take the Advanced Placement exam given in May.				
Prerequisites	<ul style="list-style-type: none"> • 80% in Honors English, 75% in an AP English course or 90% in Advanced English • Teacher Recommendation 				
<u>CiHS Communications/Rhetoric</u>		1502	1 Credit	5.5 Weight	Year
Course Description	This course examines argument through the examination of various forms of communicative argumentation and debating techniques. Each unit will follow a series of themes or related issues in order to better understand and apply various forms of argumentation and debate. The development of argument techniques will be examined through classroom debates and forms of argument, visual/audible/published expression of argument, and development of critical thinking skills. In depth discussions in and out of the classroom setting, analysis and argumentation of socially charged documentaries and other forms of expression, as well as real life situational project challenges are an integral part of the course. Get a head start on college and develop essential critical thinking skills in this dynamic course! We'll explore argumentation and debate through interactive discussions, documentary analysis, and real-world projects. Earn 3 college credits from the University of Pittsburgh while you learn to communicate effectively and analyze information like a pro.				
Prerequisites	<ul style="list-style-type: none"> • 75% in English • English teacher recommendation 				

Mathematics

<u>Foundation of Pre-Algebra Skills</u>		2104	1 Credit	Unweighted	Year
Course Description	Students will be introduced to entry-level algebraic concepts while strengthening their basic mathematical skills necessary to succeed. Topics include writing and evaluating basic variable expressions, order of operations, simplifying basic square roots, classifying/ordering real numbers, classifying and applying basic algebraic properties, operations with real numbers, graphing in the coordinate plane, solving and writing equations to solve real world problems (in one-variable), ratios and rates, proportions, and writing and solving inequalities.				
Prerequisites	<ul style="list-style-type: none"> • IEP team decision 				
<u>Pre-Algebra Skills</u>		2111	1 Credit	Unweighted	Year
Course Description	Students will be introduced to Algebra 1 topics while strengthening the pre-algebraic skills necessary to succeed. Topics include rational numbers, writing and evaluating basic variable expressions, order of operations, classifying and applying algebraic properties, linear relationships, algebraic equations, solving and writing equations to solve real-world problems, and writing and solving inequalities.				
Prerequisites	<ul style="list-style-type: none"> • IEP team decision 				
<u>Resource Algebra</u>		2124	1 Credit	Unweighted	Year
Course Description	This course outlines a brief review of pre-algebra concepts with a focus on Algebra 1 content and skills practice. The focus will be on several topics including linear expressions and relations, linear equations and inequalities, probability, functions, the laws of exponents, square and cube roots, absolute value, systems of equations and inequalities, and factoring.				
Prerequisites	<ul style="list-style-type: none"> • IEP team decision 				
<u>Algebra 1</u>		2122	1 Credit	Unweighted	Year
Course Description	Students will formalize and expand on algebraic concepts established in previous coursework. Students will deepen and extend their understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend. They will engage in methods for analyzing and using functions. Students will fluently move between multiple representations of functions, including but not limited to linear, exponential, and quadratics.				
Prerequisites	<ul style="list-style-type: none"> • Successful completion of Algebra Essentials • Teacher recommendation 				

<u>Cognitive Algebra 2</u>		2131	1 Credit	Unweighted	Year
Course Description	The course will begin with an extensive review of linear functions and systems of equations. Students will study quadratic functions and use these to model real-world scenarios. Students will be introduced to polynomial, rational, and trigonometric functions and do some work in the field of descriptive statistics. The course will move at a slower pace than Algebra 2, and topics covered will have a broader approach.				
Prerequisites	<ul style="list-style-type: none"> • Below 70% in Algebra 1 • Below 85% in Cognitive Algebra 1 				
<u>Algebra 2</u>		2132	1 Credit	Unweighted	Year
Course Description	Students extend their repertoire of functions to include polynomial, rational, trigonometric, and radical functions. Working closely with families of functions, students will apply their understanding of transformations. Students will model situations and solve equations including quadratics over the set of complex numbers and exponential equations using the properties of logarithms. Students will use descriptive statistics and probability as a tool for making inferences about data				
Prerequisites	<ul style="list-style-type: none"> • 80% in Algebra 1 or 85% in Cognitive Algebra 1 • Teacher recommendation 				
<u>Honors Algebra 2</u>		2143	1 Credit	5.0 Weight	Year
Course Description	Students extend their repertoire of functions to include polynomial, rational, trigonometric, and radical functions. Working closely with families of functions, students will apply their understanding of transformations. They will model situations and solve equations including quadratics over the set of complex numbers and exponential equations using the properties of logarithms. Students will use descriptive statistics and probability as a tool for making inferences about data. Some topics will have accelerated coverage, while others will be covered in greater depths than the regular Algebra II course.				
Prerequisites	<ul style="list-style-type: none"> • 93% in Algebra 1 • Teacher recommendation 				

<u>Cognitive Geometry</u>		2211	1 Credit	Unweighted	Year
Course Description	The purpose of the course is to formalize, deepen, and extend students' geometric and algebraic experiences. Students will continue their work with similarity and congruence. Students explore more complex geometric concepts and relationships, including: formal mathematical arguments, transformations, the coordinate system, right triangle trigonometry, circles, and probability. This course will move at a slower pace than Geometry, and topics covered will have a broader approach.				
Prerequisites	<ul style="list-style-type: none"> • Below 75% in Algebra 1 • Teacher recommendation 				
<u>Combined Geometry</u>		2212	1 Credit	Unweighted	Year
Course Description	The purpose of the course is to formalize, deepen, and extend students' geometric and algebraic experiences. Students will continue their work with similarity and congruence. Students explore more complex geometric concepts and relationships, including formal mathematical arguments, transformations, the coordinate system, right triangle trigonometry, circles, and probability.				
Prerequisites	<ul style="list-style-type: none"> • 75% in Algebra 1 • Teacher recommendation 				
<u>Honors Combined Geometry</u>		2244	1 Credit	5.0 Weight	Year
Course Description	The purpose of the course is to formalize, deepen, and extend students' geometric and algebraic experiences. Students will continue their work with similarity and congruence. Students explore more complex geometric concepts and relationships, including formal mathematical arguments, transformations, the coordinate system, right triangle trigonometry circles, and probability. Some topics will have accelerated coverage while others will be covered in greater depths than the Combined Geometry course.				
Prerequisites	<ul style="list-style-type: none"> • 93% in Algebra 1 • Teacher recommendation 				
<u>Algebra 3</u>		2145	1 Credit	Unweighted	Year
Course Description	Students will gain an in-depth understanding of algebraic principles and learn how to use them to solve problems that we encounter in everyday life. Students will learn about linear and quadratic functions, systems of equations, polynomials, graphing, and complex numbers. Students will also be introduced to basic trigonometry. The course emphasizes applications by exploring real-world scenarios.				
Prerequisites	<ul style="list-style-type: none"> • Successful completion of Cognitive Algebra 2 • Teacher recommendation 				

<u>Trigonometry/Analysis</u>		2313	1 Credit	Unweighted	Year
Course Description	This course deals with the concepts of algebra, composition of functions, exponential and logarithmic functions, finite and infinite sequences and series, circular functions, radian measure, solution of right triangles and application of the Laws of Sines and Cosines.				
Prerequisites	<ul style="list-style-type: none"> • 75% or better in Algebra 2 • Teacher recommendation 				
<u>Honors Pre-Calculus</u>		2403	1 Credit	5.0 Weight	Year
Course Description	Honors Trigonometry/Pre-Calculus is a course designed for students planning to further their studies in mathematics to include calculus, notably, AP Calculus. Topics covered include a review of basic algebraic concepts; polynomial, rational, exponential and logarithmic functions; trigonometric functions and identities; polar coordinates; analytical Geometry; sequences and an introduction to calculus. Students will develop logical thinking and imagination through the experience of mathematical patterns and will become familiar with the fundamentals of precalculus.				
Prerequisites	<ul style="list-style-type: none"> • 90% in Honors Algebra 2 • 95% in Algebra 2 • Teacher recommendation 				
<u>CiHS Calculus</u>		2413	1 Credit	5.5 Weight	Year
Course Description	This course is for college-bound students expecting to major in business, the arts, or related fields. It contains a thorough review of algebra 2 and differential calculus with emphasis on problem solving rather than theory. This course may be scheduled concurrently with Trigonometry/Analysis with teacher and counselor approval.				
Prerequisites	<ul style="list-style-type: none"> • Successful completion of Algebra 2 • Teacher recommendation 				

<u>AP Calculus AB</u>		2423	1 Credit	5.5 Weight	Year
Course Description	<p>This course is primarily concerned with developing students' understanding of the concept of calculus and providing experience with its methods and applications. The course represents a multi-presentational approach to calculus with concepts, results, and problems being expressed geometrically, numerically, analytically, and verbally. The connections between these representations are also very important. Broad concepts and widely applicable methods are emphasized. The focus is neither manipulation nor memorization of an extensive taxonomy of functions, curves, theorems, or problem types. Technology is used regularly by students and teachers to reinforce the relationships among the multiple representations of functions to confirm written work, to implement experimentation, and to assist in interpreting results. An assignment involving Algebra 2 problems and some basic Trigonometry concepts will be required for students to complete over the summer prior to taking this course. As a component of the course, students are expected to take the Advanced Placement Exam in May.</p>				
Prerequisites	<ul style="list-style-type: none"> • 90% in Honors Algebra 2 • 88% in Honors Pre-Calculus • Teacher recommendation 				
<u>AP Calculus BC</u>		2430	1 Credit	5.5 Weight	Year
Course Description	<p>Calculus BC is presented as a cohesive whole through the use of the unifying themes of limits, derivatives, integrals, polynomial approximations, series, parametric and polar functions, and vectors. The course features a multi-representative approach to calculus and concepts, results, and problems expressed graphically, numerically, analytically, and verbally.</p>				
Prerequisites	<ul style="list-style-type: none"> • 93% in Honors Algebra 2 • 93% in Honors Trig • Teacher recommendation 				

AP Statistics		2515	1 Credit	5.5 Weight	Year
Course Description	<p>The AP Statistics course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Four themes are evident in the content, skills, and assessment in the AP Statistics course: exploring data, sampling and experimentation, probability and simulation, and statistical inference. Students use technology, investigations, problem-solving, and writing as they build conceptual understanding. The AP Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. Students who do not purchase the CiHS credits are expected to take the AP Statistics exam at the conclusion of the course.</p>				
Prerequisites	<ul style="list-style-type: none"> • Successful completion of Algebra 2 				
Analytics & Statistics in Sports		2516	1 Credit	Unweighted	Year
Course Description	<p>This yearlong course will provide students the opportunity to challenge themselves with a math course that forces them to think about math in a way that none of their previous courses have. One component of the course will be learning about advanced statistics that different sports use, what they mean, and how they are calculated. Students will learn to track and compute statistics derived from looking at box scores and drive charts, as well as from the study of video. The other component of the course will require the students to analyze the data and statistics. Students will have to present their understanding of the material in written form and orally through presentations and debates with their fellow classmates. Students with an interest in either sports or mathematics will find this to be an interesting yet challenging way to connect the two and expose themselves to thinking about mathematics in an entirely different setting.</p>				
Prerequisites	<ul style="list-style-type: none"> • Grades 11 & 12 • Successfully completed or are enrolled in Algebra 2 				

Performing Arts

<u>Concert Choir</u>		7502	1 Credit	Unweighted	Year
Course Description	<p>Concert Choir is an intermediate level high school group that enjoys the study and performance of vocal music. Students in this ensemble have satisfying experiences performing music in the community, supporting school culture, (when appropriate) and in concerts throughout the year. Prescribed concert dress is mandatory. Students will develop correct singing techniques in a group atmosphere. Reading skills, including melodic and rhythmic notation, sight reading skills, and intelligent interpretation of the musical style will be emphasized. Students will be individually assessed through Music Performance Assessments each quarter. Solo and small ensemble opportunities will be available as well. Students will rehearse and perform a variety of styles of music in school and community performances. Dress rehearsals and performances will be part of the grade as this is a co-curricular course. The chorus groups often take spring performance trips. Although students are encouraged to go because they are educational and fun, they are not mandatory. As a Chorus member, students will be given a financial account with our Booster Association that will house all fundraised money for each student. After the winter concert, placement assessments will be held to determine students' vocal ensemble for the following year.</p>				
Prerequisites	<ul style="list-style-type: none"> • Director's signature 				
<u>Varsity Choir</u>		7506	1 Credit	Unweighted	Year
Course Description	<p>Varsity Choir consists mostly of upperclassmen who are deeply committed to vocal study and performance. These students will be recognized as having good attitudes and work ethics. They will be expected to practice outside of class. Varsity Choir will study advanced theory, music history, music appreciation, correct vocal technique and sight reading in their pursuit of excellence in choral performance. Since chorus is a performance based class, students will be expected to be present at all dress rehearsals and performances. Varsity Choir has prescribed concert attire that is mandatory. Students that desire to be in Varsity Choir audition in late December/early January with the director. The chorus groups often take spring performance trips. This course will consist of mandatory fundraising, performances, and excellence. Optional performance opportunities will take place as well. Performance in more than one chorus is possible depending on the student's schedule. Students interested in this class should approach the teacher to discuss audition procedures and times.</p>				
Prerequisites	<ul style="list-style-type: none"> • An audition that includes sight reading, theory quiz and a vocal solo. 				

<u>Band</u>		7511	1 Credit	Unweighted	Year
Course Description	<p>Band is a performance based ensemble with both marching and concert bands. First year students are expected to develop basic playing skills while participating in rehearsals and performances with the ensembles. Notation reading, rhythm decoding, correct intonation as well as developing and applying fundamental vocabulary is taught.</p> <p>Students will analyze the effect of rehearsal/practice sessions and apply various pedagogies during this time. Students will understand a piece based on the historical, cultural and social context and interpret these selections by classifications. Second year band is designed to further develop marching and concert band skills. Intermediate playing skills are expected as the students continue to strive for excellence in ensemble and performance. Third and fourth year band further develops marching and playing skill while encouraging students to assume leadership roles in ensembles. All music techniques are further developed. Students are required to participate in all concerts.</p>				
Prerequisites	<ul style="list-style-type: none"> • Audition and/or Director's recommendation for all band classes. 				
<u>Orchestra</u>		7521	1 Credit	Unweighted	Year
Course Description	<p>Orchestra is a performing ensemble for instrumentalists of all levels. This course offers musicians the opportunity to explore the formal qualities of music, to perform a variety of musical styles, and to understand the aesthetic value of music. Emphasis is placed on the alternative fiddling repertoire with continual study and reference to the classics. Students acquire musical knowledge and appreciation by building their orchestral repertoire. Students are expected to develop advanced skills that are necessary to interpret and perform music and model these techniques. Students are required to participate in all concerts.</p>				
Prerequisites	<ul style="list-style-type: none"> • Audition and/or Director's recommendation for all Orchestra classes. 				
<u>Introduction to Dance</u>		8040	1 Credit	Unweighted	Year
Course Description	<p>This course is designed for students who are interested in body movement and self-expression through dancing. Various dance forms will be explored with emphasis on ballet, jazz, and modern techniques. This course will provide students with opportunities to develop dance skills and techniques, to express emotions and ideas through movement, and to work with a varied sample of music styles. Class presentations and videotaping will enable the students to develop performance techniques and receive feedback concerning their overall performance. The class members will be required to perform in the Showcase. The course is open to 9th, 10th, 11th and 12th grades. Students with advanced dance skills and training may audition to be exempted from this course and be placed in the appropriate level dance course. Students are responsible for a \$50 costume fee for Showcase. Should requests for this class exceed a manageable number as determined by the instructor and high school principal, a lottery to reduce numbers to an acceptable class load will be conducted.</p>				
Prerequisites	<ul style="list-style-type: none"> • All students must dress in appropriate dance wear (black leotards and black tights purchased by the student) 				

<u>Dance and Communications 1</u>		8057	1 Credit	Unweighted	Year
Course Description	<p>The course is designed to develop beginner-intermediate technique in both modern and jazz dance forms. Emphasis is on refining and enhancing technical awareness after being introduced to these forms in the Introduction to Dance class. The student will have opportunities to learn about movement elements, styles and principles of choreography. This is a dynamic course that explores the power of dance as a universal language of self-expression and communication. Through movement, students will learn how to convey emotions, stories, and ideas without words, discovering the deep connection between body, mind, and emotions. This course emphasizes creativity, critical thinking, and personal expression, encouraging students to explore dance as a tool for effective communication in both personal and social contexts.</p> <p>Evaluation for the course is based on performance tasks and rubric assessments, daily class participation, selected response testing, open ended test, choreographic tasks. Videotaping and peer assessment will also be used to elevate progress. Students are responsible for a \$120 costume fee for Showcase.</p>				
Prerequisites	<ul style="list-style-type: none"> • Introduction to Dance and have pre-approval for the class from the Department. • All students must dress in appropriate dance wear (black leotards and black tights. Dancewear must be purchased by the student) • Participate in the annual arts showcase and dress rehearsal (three evenings) • Be physically able to perform in a highly intense, physical class on a daily basis. • Those students with long term illnesses or injuries may be required to be placed into an adapted physical education class for the duration of the medical excuse. • Teacher recommendation 				
<u>Dance and Communications 2</u>		8058	1 Credit	Unweighted	Year
Course Description	<p>The course is designed to develop intermediate technique in both modern and jazz dance forms. Emphasis is on refining and enhancing technical performance at an intermediate level. The student will have opportunities to analyze movement elements, styles and principles of choreography and to create a performance composition. The student will have opportunities to learn about movement elements, styles and principles of choreography. This is a dynamic course that explores the power of dance as a universal language of self-expression and communication. Through movement, students will learn how to convey emotions, stories, and ideas without words, discovering the deep connection between body, mind, and emotions. This course emphasizes creativity, critical thinking, and personal expression, encouraging students to explore dance as a tool for effective communication in both personal and social contexts.</p> <p>Evaluation for the course is based on performance tasks and rubric assessments, daily class participation, selected response testing, open ended tests, choreographic tasks. Videotaping and peer assessment will also be used to evaluate progress. Students are responsible for a \$120 costume fee for Showcase.</p>				
Prerequisites	<ul style="list-style-type: none"> • Modern Jazz 1 and have pre-approval from department • Appropriate dancewear (black leotards and black tights or Nike Pro. dancewear purchased by the student). • Participate in the annual arts showcase and dress rehearsal (three evenings). • Able to physically perform in a highly intense, physical class on a daily basis. • Students with long term illnesses or injuries may be required to be placed into an adapted physical education class for the duration of the medical excuse. • Teacher Recommendation 				

<u>Dance and Communications 3</u>		8059	1 Credit	Unweighted	Year
Course Description	<p>The course is designed to develop intermediate-advanced technique in both modern and jazz dance forms. Emphasis is on refining and enhancing technical performance at a more advanced level. The student will have opportunities to analyze movement elements, styles and principles of choreography and to create a performance composition. The student will have opportunities to learn about movement elements, styles and principles of choreography. This is a dynamic course that explores the power of dance as a universal language of self-expression and communication. Through movement, students will learn how to convey emotions, stories, and ideas without words, discovering the deep connection between body, mind, and emotions. This course emphasizes creativity, critical thinking, and personal expression, encouraging students to explore dance as a tool for effective communication in both personal and social contexts. A variety of dance techniques will be explored-ranging from Graham and Cunningham in modern to Luigi, Fosse and Tremaine in Jazz.</p> <p>Evaluation for the course is based on performance tasks and rubric assessments, daily class participation, selected response testing, open ended tests, choreographic tasks. Videotaping and peer assessment will also be used to evaluate progress. Students are responsible for a \$120 costume fee for the Showcase.</p>				
Prerequisites	<ul style="list-style-type: none"> • Modern Jazz II and have pre-approval from the Department. • Appropriate dancewear (black leotards and black tights or Nike Pro. dancewear purchased by the student.) • Participate in the annual arts showcase and dress rehearsal (three evenings). Be physically able to perform in a highly intense, physical class on a daily basis. • Students with long term illnesses or injuries may be required to be placed into an adapted physical education class for the duration of the medical excuse. 				
<u>Dance and Communications 4</u>		8060	1 Credit	Unweighted	Year
Course Description	<p>This course offers the advanced dance student/performer the opportunity to further develop his/her skill, technique, choreographic expertise, analytical reasoning and peer mentoring opportunities. This course accommodates the needs of the few students who have higher-level dance skills when entering the dance department at C.V. (students who are exempt from Intro to Dance in their freshman year). The student will work to refine advanced dance techniques and genres. The student will act as a teaching assistant/student choreographer, role model, etc. There would also be a component requiring the student to work independent of the class by choreographing a self-directed dance piece and/or working as an apprentice with professional dance teachers and choreographers. Through movement, students will learn how to convey emotions, stories, and ideas without words, discovering the deep connection between body, mind, and emotions. This course emphasizes creativity, critical thinking, and personal expression, encouraging students to explore dance as a tool for effective communication in both personal and social contexts.</p>				
Prerequisites	<ul style="list-style-type: none"> • Modern and Jazz Dance • Appropriate dancewear (black leotards and black tights or Nike Pro. dancewear purchased by the student.) • Teacher recommendation 				

<u>Dance and Communications 5</u>		8061	1 Credit	Unweighted	Year
Course Description	<p>This course offers the advanced dance student/performer the opportunity to further develop his/her skill, technique, choreographic expertise, analytical reasoning and peer mentoring opportunities at a more advanced level. The course accommodates the needs of the few students who have higher-level dance skills when entering the dance department at C.V. (students who exempt Intro to Dance in their freshman year). The student will work to refine advanced dance techniques and genres. The student will act as a teaching assistant/student choreographer and role model. Students are required to work independently of the class by choreographing a self-directed dance piece and/or working as an apprentice with professional dance teachers and choreographers. Through movement, students will learn how to convey emotions, stories, and ideas without words, discovering the deep connection between body, mind, and emotions. This course emphasizes creativity, critical thinking, and personal expression, encouraging students to explore dance as a tool for effective communication in both personal and social contexts.</p> <p>All students must dress in a black leotard and black tights. These items must be purchased at the student's expense. Students are responsible for a \$120 costume fee for Showcase.</p>				
Prerequisites	<ul style="list-style-type: none"> • Modern and Jazz Dance 4 • Appropriate dancewear (black leotards and black tights or Nike Pro. Dancewear purchased by the student.) • Teacher recommendation 				
<u>Dance Production & Communication</u>		8056	1 Credit	Unweighted	Year
Course Description	<p>This course is designed for Dance Troupe, Charvalettes, and Majorettes to practice and refine their skills as well as incorporate advertising, journalism, social media, public relations, and writing in order to promote the various teams. Students will learn to create, produce, and edit dance content for video, social media, and live-streaming. Students will explore the impact of media on the dance industry including advertisements, journalism, and public relations.</p> <p>Through hands-on projects, students will work with cameras, lighting, and editing software to capture and refine dance performances. They'll also explore the role of storytelling, branding, and audience engagement in dance media. The course emphasizes both the technical skills of media production and the artistic expression of dance, preparing students to communicate dance in ways that resonate with modern audiences. In addition to practical skills, students will critically analyze how dance is portrayed in the media, examining representation, accessibility, and the evolution of dance within digital spaces.</p> <p>Members of the Dance Troupe will also work to develop performance skills and will participate in several dance shows. DanceTroupe will also a competition team. They will compete at three Regional Competitions and one National Competition. All students must dress in a black leotard, black tights or Nike Pros. These items must be purchased at the student's expense. In addition to the regular school year, the students in this class will have summer practices that start in May and run through the summer. Dance troupe also attends a camp in July for four days. Costs for these groups are explained at a parent meeting prior to tryouts.</p>				
Prerequisites	<ul style="list-style-type: none"> • Audition & Recommendation only 				

<u>Introduction to Theatre Arts</u>		8100	1 Credit	Unweighted	Year
Course Description	An exploration that will cover both the technical and performance aspects of live theater. Tech theater studies will include production concepts and design for lighting sets, costumes, and make-up. Performance studies will include an introduction to the basics of acting, such as theater history, stage direction terminology, voice & speech, improvisation exercises, monologues & scene work.				
Prerequisites	<ul style="list-style-type: none"> Grades 9-12 				
<u>Acting 1</u>		8201	1 Credit	Unweighted	Year
Course Description	<p>This course is for students who are interested in an acting career or who merely want to learn more about this art. Students will perform improvisations, work on monologues, scenes, and one act plays. Class presentations and videotaping will provide opportunities to develop creativity while supplying the student with immediate feedback about performance.</p> <p>All students will be required to perform in an acting production. Should requests for this class exceed a manageable number as determined by the instructor and high school principal, students will be required to do a monologue audition for placement in the class.</p>				
Prerequisites	<ul style="list-style-type: none"> Grades 10-12 Introduction to Theatre Arts 				
<u>Acting 2 & 3</u>		8202	1 Credit	Unweighted	Year
Course Description	<p>This course is for students who want to continue their training in the art of Acting. This course is for students who are interested in an acting career or who merely want to learn more about this art. Students will perform improvisations, work on monologues, scenes, and one act plays. Class presentations and videotaping will provide opportunities to develop creativity while supplying the student with immediate feedback about performance.</p> <p>All students will be required to perform in an acting production. Should requests for this class exceed a manageable number as determined by the instructor and high school principal, students will be required to do a monologue audition for placement in the class.</p>				
Prerequisites	<ul style="list-style-type: none"> Grades 11-12 Acting 1 and/or Intro to Theater Arts Audition and teacher recommendation 				
<u>Music Theory</u>		7542	1 Credit	Unweighted	Year
Course Description	In this course, students will learn basic written and aural music theory skills and methods that will provide a thorough understanding of basic composition techniques, chord progressions and structures, and how each musical era's applied theories were used and recognized throughout the history of Western music.				
Prerequisites	<ul style="list-style-type: none"> Grades 9-12 				

Physical Education

<u>Physical Education</u>		8032	.5 Credit	Unweighted	Semester
Course Description	The curriculum focus of Physical Education is lifetime fitness, sports, and physical activity. Activities will enable students to develop skills necessary to maintain a healthy active lifestyle. The course is designed to enhance activity level, develop positive attitudes, responsible habits, and exhibit good sportsmanship. Students will have the opportunity to participate in; swimming, fitness, weight training, recreational racquet sports, diamond sports, volleyball and ultimate Frisbee/razzle.				
Prerequisites	<ul style="list-style-type: none"> Grades 9-12 				
<u>Health</u>		8025	.5 Credit	Unweighted	Semester
Course Description	Chartiers Valley Health curriculum is designed to provide students with an opportunity to learn about physical, mental and social aspects of health. Emphasis is placed on the importance of making healthy decisions that will lead to a higher quality of life. Students are encouraged to develop optimal health through recognizing health issues and applying preventative strategies. Students will connect academic content to real life scenarios and understand the impact of personal choices. Units of study include; stress, mental health, mental disorders, healthy relationships, abuse, bullying prevention, school violence, nutrition, physical fitness, non-communicable diseases, SDI's, human sexuality, CPR, first Aid, environmental health, tobacco, alcohol and drugs.				
Prerequisites	<ul style="list-style-type: none"> Grade 9-12 				
<u>CiHS Nutrition</u>		8514	.5 Credit	5.5 weight	Semester
Course Description	This course will cover an overview of scientific principles or nutrition and their applications to humans at the individual, systemic and environmental levels. This course will also introduce the students to the dietetics profession and how food, nutrition, and health status can be viewed from a psychosocial perspective. This course will run through University of Pittsburgh and provide college credit to those students who earn it				
Prerequisites	<ul style="list-style-type: none"> Grades 11-12 Successful completion of Health 				

<u>Partners in Physical Education</u>		8038	.5 Credit	Unweighted	Semester
Course Description	This course is designed for students who are interested in exploring a career path that involves working with students with special needs. The Partner in Physical Education course (Partner PE) is an inclusive approach to physical education that pairs students with special needs with their general education peers (peer partner). The peer partner demonstrates PE activities, motivates and supports the students with special needs to fully participate in PE class. The activities are designed to help promote leisure-time activities and awareness of the importance of good personal fitness. Activities include but are not limited to weight training, racquet sports, fitness, diamond sports, kayaking, swimming and team building.				
Prerequisites	<ul style="list-style-type: none"> Grades 9-12 				
<u>Personal Fitness & Healthy Living</u>		8070	.5 Credit	Unweighted	Semester
Course Description	Obesity, diabetes and poor mental health are on a rise in the US. This PE course would be available to upperclassmen who would like to focus more on individual physical fitness rather than group lifetime activities. In this course, students will be exposed to more individual ways to work out; weight room, yoga, running, HIIT and other aspects. With this course, students would also be educated on nutrition. Throughout the course, students will work towards goals to accomplish with their physical fitness.				
Prerequisites	<ul style="list-style-type: none"> Grades 9-12 				
<u>Dance</u>					
Course Description	Students may choose any dance course in the Performing Arts section of the Academic Handbook. Dance will meet PE requirements for all grade levels.				
Prerequisites	<ul style="list-style-type: none"> Grades 9-12 See Performing Arts Department offerings 				

Science

<u>Biology</u>		3221	1 Credit	Unweighted	Year
Course Description	<p>This is a one year course in which students are given a solid foundation of the study of living things. The emphasis for the course is on the big ideas and unifying themes in biology, such as basic biological principles/cells, chemical basis of life, bioenergetics, homeostasis and transport, cell growth and reproduction, genetics, theory of evolution and ecology. Students will work independently, in small groups and large groups to understand and apply their skills. Application to real world concepts are emphasized through the use of case studies, role plays, hands on activities and laboratory exercises. This course is intended for students who may or may not be college bound and successful completion of it can be a prerequisite for higher level science electives and AP courses.</p>				
Prerequisites	<ul style="list-style-type: none"> • None 				
<u>Honors Biology</u>		3133	1 Credit	5.0 Weight	Year
Course Description	<p>Honors Biology is a first year course in biology that provides an in-depth overview of the study of living things. The framework for the course is on the big ideas and unifying themes in biology. Topics include basic biological principles/cells, the chemical basis of life, bioenergetics, homeostasis and cell transport, cell growth and reproduction, genetics, ecology, and evolution. It is a rigorous course that requires daily reading and review. Students will work both independently and in groups to apply biological concepts. The course incorporates hand-on activities, role plays, and laboratory exercises when appropriate. This course is intended for students that are highly motivated, college bound, and typically will take one or more Advanced Placement science courses throughout their high school career.</p>				
Prerequisites	<ul style="list-style-type: none"> • 93% in 8th grade science • Teacher recommendation 				
<u>Physical Science</u>		3210	1 Credit	Unweighted	Year
Course Description	<p>Physical Science is an introductory course designed to allow students to explore the basic concepts of chemistry and physics, with an emphasis on theory and application. Physical science will equip students to better understand how the world around them works. Using a variety of labs, activities, and projects, students will explore the concepts of motion, forces, the atom, chemical reactions and more, learning how to explain, apply and test the scientific theories presented.</p>				
Prerequisites	<ul style="list-style-type: none"> • Grades 10-12 				

<u>Exploration of Life on Earth</u>		3209	1 Credit	Unweighted	Year
Course Description	Exploration of Life on Earth will examine a variety of topics, beginning with the astronomical evidence for the formation of the universe, to the history of early Earth, as well as the systems that have shaped and continue to shape life on Earth. As students investigate the history of and diversity of life on Earth, they will participate in laboratory investigations to observe different organisms and integrate current events to ensure a better understanding of the complexity of life. The topics will allow students to understand and appreciate the role of biodiversity and the importance of human sustainability in maintaining biological diversity in modern day society. The course is intended for students who may or may not be college bound.				
Prerequisites	<ul style="list-style-type: none"> Grades 10-12 				
<u>Chemistry</u>		3331	1.5 Credits	Unweighted	Year
Course Description	This is a first year Chemistry course intended for students planning to attend college in a non-science related field. This course provides students with an understanding of basic principles of chemistry through classroom lectures and discussions, PHET simulations, classroom activities, and laboratory techniques. This course should contribute to the development of the student's ability to think clearly and to express their ideas orally and in writing with clarity and logic. This course differs from the other courses by the depth and number of topics addressed, pace, the level of mathematical analysis required, the time commitment spent on the course by the students, and the nature and variety of weekly experiments done in the laboratory. Topics covered in this course are dimensional analysis, matter, atomic structure including radioactive decay, quantum mechanics, periodic law, nomenclature, reactions, stoichiometry, bonding, and gas laws				
Prerequisites	<ul style="list-style-type: none"> 70% in Biology or pass Honors Biology 80% in Algebra 1 and 70% in Geometry 				
<u>Honors Chemistry</u>		3332	1.5 Credits	5.0 Weight	Year
Course Description	Honors Chemistry is a first year preAP chemistry course. Designed to have an increased pace and rigor, this course allows students to learn more chemistry at a deeper level. This course provides students with an understanding of basic principles of chemistry through classroom lectures and discussions, classroom activities, and laboratory techniques. Honors chemistry covers topics such as matter, atomic structure, nomenclature, stoichiometry, reactions, thermochemistry, periodic trends, bonding and gasses.				
Prerequisites	<ul style="list-style-type: none"> Grade 10 Passed Honors Biology or earned an 80% in Biology Passed Algebra 2 OR 80% in Combined Geometry 				

<u>AP Chemistry</u>		3341	1.5 Credits	5.5 Weight	Year
Course Description	<p>This elective course is a 2nd year Advanced Placement chemistry course that is equivalent to two semesters of college level chemistry and is intended for students planning to attend college for chemistry, engineering, medical fields or other science related areas in college. Laboratory work is an integral part of the course. This course provides the rigorous training needed for success on the AP chemistry test and SAT II Chemistry subject based test. This course should contribute to the development of the student's ability to think clearly and to express their ideas orally and in writing with clarity and logic. This is a rigorous course that requires a large time commitment since the course itself is fast paced in order to have students prepared for the Advanced Placement Exam offered in May of the school year. Students are expected to take the AP Exam as a component of this course. Summer reading and assignments are required. Failure to complete summer assignments will result in a grade penalty. Failure to complete summer assignments will result in a grade penalty. Topics covered in this course are a more in-depth exploration of the areas of atomic structure, chemical bonding, intermolecular forces, chemical kinetics, thermodynamics with electrochemistry, equilibrium, and acid-base theory.</p>				
Prerequisites	<ul style="list-style-type: none"> • 70% in Honors Chemistry or 90% in Chemistry 				
<u>Anatomy & Physiology</u>		3350	1 Credit	Unweighted	Year
Course Description	<p>This junior and senior elective course is designed to be a rigorous, in depth study of human anatomy and physiology. The structure, function and imbalances (diseases) of body systems will be studied including skin, musculoskeletal, nervous, endocrine, cardiovascular, blood, respiratory, digestive and the special senses. This course would be recommended for students that are interested in pursuing a career in the medical field such as physicians, physician assistants, nurses, medical technologists, paramedics, scientists, physical therapists, occupational therapists, geneticists, technicians, forensics and bioinformatics. This course is not a replacement for AP science courses.</p>				
Prerequisites	<ul style="list-style-type: none"> • Successful completion of Chemistry • Teacher recommendation 				
<u>Physics</u>		3422	1 Credit	Unweighted	Year
Course Description	<p>This is a first year Physics course intended for students planning to pursue a career in a non-science related field. This course provides students with a basic understanding of matter and energy through classroom lectures and discussions, online assignments, classroom activities, labs and projects throughout the year. Students will use mathematical analysis along with conceptual application of concepts to solve real world problems. A basic investigative approach dealing with the interrelationships of mass, motion and forces is studied. These topics lead to the investigations of various forms of energy such as light, sound, electricity, and magnets.</p>				
Prerequisites	<ul style="list-style-type: none"> • Successful completion of Honors Geometry or 75% or higher in Combined Geometry • Completed chemistry • Teacher Recommendation 				

<u>AP Physics 1</u>		3441	1.5 Credits	5.5 Weight	Year
Course Description	Advanced Placement Physics 1 is a first year physics course that is equivalent to a first semester college course in algebra-based physics. This course will focus on students' problem solving and lab skills. Students will cultivate their understanding of Physics through inquiry-based investigations while integrating technology into the laboratory environment. Topics covered will be Newtonian Mechanics (including rotational motion), work, energy, power, mechanical waves, sound and introduction to simple circuits.				
Prerequisites	<ul style="list-style-type: none"> • Honors Chemistry or 80% in Chemistry • Teacher recommendation 				
<u>AP Physics 2</u>		3445	1.5 Credits	5.5 Weight	Year
Course Description	Advanced Placement Physics 2 is a second year elective physics course that is equivalent to a second semester introductory college-level physics course. This course will focus on students' problem solving and lab skills. Students will cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics.				
Prerequisites	<ul style="list-style-type: none"> • Successful completion of AP Physics 1 or 90% in Physics • Teacher Recommendation 				
<u>AP Physics C: Mechanics</u>		3450	.5 Credit	5.5 Weight	Semester
Course Description	The Physics C: Mechanics elective course is equivalent to a one-semester, calculus-based, college-level physics course. It is especially appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as kinematics; Newton's laws of motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. Introductory differential and integral calculus is used throughout the course.				
Prerequisites	<ul style="list-style-type: none"> • Successful completion of AP Physics 1 • Successful completion of AP Calculus or currently enrolled 				

AP Physics C: Electricity and Magnetism		3455	.5 Credit	5.5 Weight	Semester
Course Description	Advanced Placement Physics C: Electricity and Magnetism is an elective one-semester, calculus-based, college-level physics course, especially appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. Introductory differential and integral calculus is used throughout the course.				
Prerequisites	<ul style="list-style-type: none"> • Successful completion of AP Physics 1 • Successful completion of AP Calculus or currently enrolled 				
AP Biology		3442	1.5 Credits	5.5 Weight	Year
Course Description	The Advanced Placement Biology course is an elective designed to be the equivalent of a college biology course usually taken by biology majors during their first year of college. The course aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing world of biology. The curriculum is built around four big ideas. They include 1.) The process of evolution drives the diversity and unity of life. 2.) Biological systems utilize free energy and molecular building blocks to grow, reproduce and maintain dynamic homeostasis. 3.) Living systems store, retrieve, transmit and respond to information essential to life processes. 4.) Biological systems interact. These systems and their interactions possess complex properties. Extension homework and laboratory work are required. Students are expected to perform extensive readings in biology and are expected to take the AP Biology exam.				
Prerequisites	<ul style="list-style-type: none"> • Successful completion of Biology and concurrently enrolled or completion of Chemistry • Teacher Recommendation 				
Biomedical Innovations		3370	1 Credit	5.0 Weight	Year
Course Description	In this capstone elective Project Lead the Way course, students apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences. Students design innovative solutions for the health challenges of the 21st century as they work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. They have the opportunity to work on an independent project and may work with a mentor or advisor from a university, hospital, physician's office, or industry. Throughout the course, students are expected to present their work to an adult audience that may include representatives from the local business and healthcare community.				
Prerequisites	<ul style="list-style-type: none"> • Principles of Biomedical Science and Human Body Systems • Completion of Medical Interventions with a min of 70% 				

Social Studies

<u>Development of the United States</u>		4000	1 Credit	Unweighted	Year
Course Description	<p>This 9th grade required course in social studies is a survey of United States history from 1800-1935. The century and a half is a pivotal period in our history when we developed as a world power. Students will examine the consolidation of the United States after the American Revolution, the epic struggle over the issue of slavery leading to the Civil War, the growth of the country through immigration, industrialization, urbanization, and the conquering of the frontier. Students will also study the conflicts of the late 19th (Spanish-American War) and early 20th (World War I) centuries that catapulted the nation onto the world spotlight. The study ends by examining the Roaring twenties and the Great Depression. Students will learn to take notes, write substantive essays, complete project-based assignments, become involved in seminars, and other activities that make the course active learning. This course will be conducted at a moderate pace.</p>				
Prerequisites	<ul style="list-style-type: none"> Grades 9-12 				
<u>Honors Development of the United States</u>		4002	1 Credit	5.0 Weight	Year
Course Description	<p>This required 9th grade course provides students the opportunity to study the development of the United States at a highly accelerated pace. The same years and content described above will be the material for the course. Students in this course are on track to take Advanced Placement courses so the study is rigorous and takes on more of the complex concepts in American history. Students will also be challenged by the high expectations of the College Board.</p>				
Prerequisites	<ul style="list-style-type: none"> 85% or better in 8th grade Social Studies Teacher recommendation 				

World Cultures	4005	1 Credit	Unweighted	Year
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Course Description	<p>This required course deals with the history and cultures of people in Europe, the Middle East, Latin America, East Asia, and Africa from the 1700s through the present day. The course explores various political ideologies; gender roles; social organizations; conflicts; religious beliefs; and economic systems. Students will be expected to understand global interdependence as it relates to culture, resource management, conflict and human rights. Students will be regularly exposed to primary source documents in order to better understand specific events or time periods from the perspective of the people who experienced them firsthand. Students will refine their ability to read for comprehension and critical analysis; summarize, categorize, compare, and evaluate information; write in a concise manner; express facts and opinions orally; produce exhibitions in a cooperative setting; and use technology appropriately to present information.</p> <p>The first semester of the course will cover the Enlightenment, French Revolution, the Industrial Revolution, Revolutions in Latin America, the Rise of Nationalism, New Imperialism, World War I, and the Russian Revolution. The second semester of the course will cover the Interwar Period, World War II, the Cold War, the Emergence of New Nations, Regional Conflicts, and the Developing World.</p>
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Prerequisites	<ul style="list-style-type: none"> Grades 9-12
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Honors World Cultures	4006	1 Credit	5.0 Weight	Year
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Course Description	<p>Various themes including political ideologies, gender roles, social organizations, conflicts, revolutions, religious beliefs and economic systems will be explored throughout the course. Students will investigate global interdependence as it relates to culture, resource management, conflict and human rights. Students will be expected to understand the historical content and to make historical connections between the past and present through analysis of current affairs. Students will be exposed to primary source documents in order to better understand specific events or time periods from the perspective of the people who experienced them firsthand. Students will continue to refine their ability to read for comprehension and critical analysis; summarize, categorize, compare, contrast and evaluate information; write in a concise style; express facts and opinions, both in written and oral forms; produce exhibitions in a cooperative setting; and utilize technology appropriately to present and comprehend information.</p> <p>The first semester of the course will be a comprehensive study of the Enlightenment, French Revolution, the Industrial Revolution, Revolutions in Latin America, the Rise of Nationalism, New Imperialism, the Great War and the Russian Revolution. The second semester of the course will cover the Interwar Period, World War II, the Cold War, the Emergence of New Nations, Regional Conflicts and the Developing World.</p>
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Prerequisites	<ul style="list-style-type: none"> Grades 9-12 90% in Development of the US or 85% in Honors Development of the US
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<u>Contemporary US/Global Studies</u>		4010	1 Credit	Unweighted	Year
Course Description	<p>This course will guide students from the beginning of World War II through the early 21st century. Students will examine the political, economic, social and cultural development of the United States from the end of World War II to present times. The essential standards of American History will trace the change in the ethnic composition of American society; the movement toward equal rights for racial minorities and women; and the role of the United States as a major world power. An emphasis is placed on the expanding role of the federal government and federal courts as well as the continuing tension between the individual and the state. The desired outcome of this course is for students to develop an understanding of the cause-and-effect relationship between past and present events, recognize patterns of interactions, and understand the impact of events on the United States in an interconnected world.</p>				
Prerequisites	<ul style="list-style-type: none"> Grades 9-12 				
<u>CiHS Shaping of the Modern World</u>		4345	1 Credit	5.5 Weight	Year
Course Description	<p>This elective course is a study of the world of the 20th century and into the 21st century. It will examine the forces and shaping agents that have produced great changes since circa 1900 and integrate the United States experience with that of Europe, Asia, Latin America, and Africa. An intense study of the last 50 years will give the students a better perspective and understanding of their own world and have the knowledge and skills to be able to project the foreseeable future of the modern world.</p> <p>Students will be exposed to rigorous primary sources, assignments and thinking that they will experience in college. "Blue book" essays are a common assessment that are used in colleges.</p> <p>Since this course is articulated through Duquesne University, there is a fee involved for students who want to earn college credits. Students may obtain three college credits.</p>				
Prerequisites	<ul style="list-style-type: none"> 85% in Advanced or Honors Social Studies Teacher recommendation 				
<u>AP U.S. Government and Politics</u>		4346	1 Credit	5.5 Weight	Year
Course Description	<p>Advanced Placement U.S. Government and Politics is an analytical perspective on government and politics in the United States. This elective course includes the study of general concepts used to interpret our political system and the analysis of specific examples. The institutions, groups, beliefs, and ideas that constitute U.S. government and politics will be studied. In addition, theories of government, political behavior and consequences, and the structure and procedures of our government will be reviewed. College-level texts and other college-level materials are used in the class. Preparation for the annual A.P. exam, which is held in May, is an integral part of the class.</p>				
Prerequisites	<ul style="list-style-type: none"> Grades 11-12 				

<u>AP United States History</u>		4348	1 Credit	5.5 Weight	Year
Course Description	<p>Advanced Placement U.S. History (APUSH) is a rigorous college-level introductory course, which examines the nations' political, diplomatic, intellectual, cultural, social, and economic history from 1491- present. APUSH is arguably one of the most challenging of the courses offered by the College Board. As a result, a variety of instructional approaches are employed and a college level textbook is supplemented by primary and secondary sources. Significant outside reading and assignments are required for success in this course.</p> <p>The curriculum of this course is designed to help students develop critical thinking skills and factual knowledge necessary to deal analytically with the complex history and documents presented in U.S. history. The complexity of topics, discussions and tempo of course will better prepare students for the rigors of college level courses.</p> <p>Students will conclude the year with a National Exam from the College Board in May.</p>				
Prerequisites	<ul style="list-style-type: none"> • Grades 11 -12 • 90% in an Honors course OR 95% in Social Studies 				
<u>Law and Government</u>		4407	1 Credit	Unweighted	Year
Course Description	<p>Law and Government, an elective, is the study of the fundamentals of our American government along with a review of our justice system. The class is divided into two components: Civics and Street Law. With the study of government, students will learn why we have government, types of government, and characteristics and principles of democracy. Studies will focus on our U.S. Constitution, specifically the Bill of Rights, and how these rights are exercised every day.</p> <p>The class will then transition into a study of our criminal justice system with a focus on due process rights. The criminal justice process will be reviewed from arrest through sentencing. Guest speakers will be utilized throughout the school year to complement the curriculum and a field trip to the Allegheny County Courthouse will allow students to witness our justice system in action. Throughout the school year, students are encouraged to be aware of current events which will be discussed in class.</p>				
Prerequisites	<ul style="list-style-type: none"> • Grades 11-12 				

World Language

French 1		5001	1 Credit	Unweighted	Year
Course Description	<p>In this course geared to the general as well as the academic learner, students learn to communicate on everyday topics in the present and near future, with particular emphasis placed on the skills of listening, speaking and pronunciation. French culture, including study of the country, as well as a unit on Paris, is a very important component. Music and film clips are used to reinforce concepts and skills too. In addition, students also take part in a variety of creative activities, including role-plays, games, and projects. Integrated Performance Assessments (IPA) are used with every unit to incorporate authentic materials, speaking opportunities and listening comprehension. Students will participate in cultural experiences such as making crêpes and croque monsieur sandwiches, and learning about French holiday traditions. The course is proficiency-based, and students are expected to communicate as much as possible in French as well as understand and follow basic classroom directions in French.</p>				
Prerequisites	75% in 8th Grade French or Teacher recommendation				
French 2		5012	1 Credit	Unweighted	Year
Course Description	<p>This elective course continues to develop the proficiency of previously mentioned skills. Dialogues, pattern practice, and question-answer exercises play an important role. Word placement and foundation grammar work into developing competency in both reading and writing.</p>				
Prerequisites	<ul style="list-style-type: none"> • 75% in French 1 - 2nd semester • Teacher recommendation 				
French 3		5013	1 Credit	Unweighted	Year
Course Description	<p>This course continues to build proficiency in listening and speaking while increasing emphasis on reading and writing. Students write longer and more complex sentences as well as short essays. More emphasis is placed on independent reading of authentic French literature and non-fiction cultural pieces relating to French Africa, 19th & 20th century French art, French heritage and other topics. A film study is included at this level. Students use Integrated Performance Assessment lessons (interpretive reading, interpersonal communication, presentational communication) to increase their proficiency by integrating reading, writing, listening comprehension and speaking. New grammar skills are introduced, but students are expected to apply skills already learned. Students will participate in speaking proficiency assessments in accordance with the ACTFL proficiency guidelines.</p>				
Prerequisites	<ul style="list-style-type: none"> • 75% in French 2 - 2nd semester • Teacher Recommendation 				

<u>CiHS French 4</u>		5014	1 Credit	5.5 Weight	Year
Course Description	In this full year, College in the High School course, students learn to speak with more fluency, practicing and expanding upon previously learned grammar concepts such as past time (including imperfect tense and plus que parfait), future time, and pronouns (relative, direct, indirect) as well as reinforce structures such as the subjunctive and the conditional. Students read independently at a more advanced level, keep a journal, and writings are longer and more sophisticated. There is a focus on advanced conversation, listening comprehension, and more extensive reading and writing. Film clips from the text and authentic French films with detailed follow-up are used as a resource to enhance proficiency. This course is articulated through Duquesne University and students have the opportunity to earn 3 credits in French 201. There is a fee involved for students opting to earn the university credits.				
Prerequisites	<ul style="list-style-type: none"> • 80% in French 3 - 2nd semester 				
<u>Spanish 1</u>		5108	1 Credit	Unweighted	Year
Course Description	This is a full year elective course designed for students to acquire basic proficiency skills in Spanish - listening, speaking, reading, and writing. A content based approach to language learning is introduced; knowledge of other subjects is reinforced through the use of Spanish. Please note: Students who are new to Chartiers Valley School District have the option to test into Spanish 2.				
Prerequisites	<ul style="list-style-type: none"> • Students who did not take Spanish in Grade 8 at Chartiers Valley • Students with less than 75% in Grade 8 at Chartiers Valley Spanish 				
<u>Spanish 2</u>		5110	1 Credit	Unweighted	Year
Course Description	This is a full-year elective course that incorporates a mix of everyday conversational topics and content-based lessons connected primarily to English and Social Studies themes. An increase in language proficiency is accomplished through reading, writing, listening, and speaking practice.				
Prerequisites	<ul style="list-style-type: none"> • 75% Grade 8 Spanish at Chartiers Valley or Spanish 1 at Chartiers Valley-2nd semester • Teacher Recommendation 				
<u>Spanish 3</u>		5112	1 Credit	Unweighted	Year
Course Description	This is a full-year elective course that incorporates a mix of everyday conversational topics and content-based lessons connected primarily to Humanities themes. Students will expand their vocabulary and grammar knowledge while building proficiency with more extensive reading, writing, listening, and speaking tasks.				
Prerequisites	<ul style="list-style-type: none"> • 75% in Spanish 2 - 2nd semester • Teacher Recommendation 				

<u>CiHS Spanish</u>		5114	1 Credit	5.5 Weight	Year
Course Description	This College in the High School elective course offers an advanced curriculum with emphasis on extensive reading, writing, and communication skills. There is focus on listening for comprehension and promoting fluency in speech. An ability to demonstrate mastery of essential grammatical concepts is expected. Historical and cultural aspects of Hispanic countries are an integral part of the course. Because this course is articulated through Duquesne University, there is a fee involved for students who want to earn college credits.				
Prerequisites	<ul style="list-style-type: none"> • 80% in Spanish 3 • Teacher Recommendation 				
<u>AP Spanish Language</u>		5116	1 Credit	5.5 Weight	Year
Course Description	The purpose of Advanced Placement (AP) Spanish Language is to guide students to greater proficiency and more accurate application of language skills by using authentic resources in meaningful situations. Listening, speaking, reading, and writing within thematic units will augment and enhance vocabulary and grammar acquisition. Students will communicate in interpersonal, interpretive, and presentational scenarios within the five goal areas outlined in the Standards for Foreign Language Learning in the 21st Century. The course is similar to most third-year college and university courses that focus on speaking and writing in the target language at an advanced level. Failure to complete the summer assignments will result in a grade penalty.				
Prerequisites	<ul style="list-style-type: none"> • 80% in CiHS Spanish 4 • Teacher Recommendation 				
<u>Spanish Communication through Contemporary Topics</u>		5117	1 Credit	Unweighed	Year
Course Description	Students will increase their Spanish proficiency in speaking, writing, reading, and listening while considering contemporary topics related to the Spanish-speaking world. Authentic resources such as films, novels, and current events will inspire higher-level analysis and discussion. Critical thinking and writing composition in this course will continue to prepare students for post-secondary education.				
Prerequisites	<ul style="list-style-type: none"> • 75% in CiHS Spanish 4 or or AP Spanish or Teacher Recommendation 				

Parkway West Career & Technical Center

Chartiers Valley School District is one of the twelve school districts participating in the career and technical education at Parkway West Career and Technology Center (PWCTC). The courses offered at Parkway West CTC are not able to be offered at Chartiers Valley High School due to the specialized trade and technical course. Students are able to attend Parkway West – grades 9 through 12 for half of their school day. Students who attend Parkway West receive a Chartiers Valley School District diploma and a certificate of attendance from Parkway West. Students attending Parkway West Career and Technology Center will not be scheduled for electives at CVHS.

Career & Technical Specialties:

Students who attend PWCTC may be eligible to earn articulated college credit through the Pennsylvania Department of Education’s Students Occupationally and Academically Ready Program (SOAR). The SOAR Program allows qualified high school students, enrolled in an approved career and technical Programs of Study, to receive college credit toward a diploma, certificate or degree in a similar program at a postsecondary institution. Additional information about Articulation Agreements can be found at www.parkwaywest.org.

ID	Course Name	ID	Course Name
9119: 4 Credits 9319: 3 Credits	Automotive Technology	9173: 4 Credits 9373: 3 Credits	Health Occupations Technology
9193: 4 Credits 9402: 3 Credits	Veterinary Assistant Technology	9155: 4 Credits 9355: 3 credits	Cyber Security & Network Technology
9137: 4 Credits 9337: 3 Credits	Construction Technology Cluster	9185: 4 Credits 9385: 3 Credits	Public Safety Technology
9143: 4 Credits 9343: 3 Credits	Cosmetology	9375: 4 Credits 9376: 3 credits	Sports Medicine and Rehabilitation Therapy Technology (SMARTT)
9161: 4 Credits 9361: 3 Credits	Culinary Arts	9234	Principles of Technology (Comparable to Practical Physics)
9190: 4 Credits 9389: 3 Credits	Graphic Arts & Production Technology	9220	U.S. History (Comparable to Development of the U.S).
9238	Chemical Properties in Practice (Comparable to Applied Chemistry)	9221	U.S. History II (Comparable to Contemporary U.S. History)
9223	World History (Comparable to World Cultures)		

<u>Automotive Cluster</u>		9119 9319	4 Credits 3 Credits	Unweighted	Year	
Course Description	<p>AUTO BODY REPAIR...is certified by the National Automotive Technology Education Foundation (NATEF) and provides instruction in the most current techniques for repair and replacement of damaged automobile parts. Students learn to repair collision damage and to replace quarter panels, door skins, and fenders. The curriculum also includes painting, MIG welding, collision repair, frame straightening, and damage analysis. Students gain experience in mixing and tinting paint, custom painting, computerized estimating, and auto detailing. Practical experience is also provided through a full-service auto body repair shop. Students could earn PPG Blue Level Paint and I-Car MIG Welding certifications. They are also eligible to earn I-CAR Points.</p> <p>AUTOMOTIVE TECHNOLOGY...certified by the National Automotive Technology Education Foundation (NATEF) and affiliated with all the major automotive manufacturers through Automotive Youth Educational Systems (AYES). Students prepare to take the Pennsylvania State Inspection License examination. Students learn basic vehicle maintenance, repair, and replacement of drive trains, brake systems, chassis components, and fuel electrical systems. Special emphasis is placed on troubleshooting an engine performance via the use of state-of-the-art electronic diagnostic equipment. Practical experience is also provided in the auto repair shop. Under the Automotive Youth Educational Systems (AYES) apprenticeship program, students may qualify to become apprentices working under mentor master technicians. Students can earn certifications from AYES, the National Institute for Automotive Service Excellence (ASE) and the Coordinating Committee for Automotive Repair (CCAR).</p> <p>DIESEL TECHNOLOGY...students will learn about the operation, maintenance, and overhaul of diesel-powered equipment. Diesel engines are found in military vehicles, trucks, trains, buses, construction and agricultural equipment. As the diesel equipment industry expands, the demand for mechanics and technicians to repair and maintain diesel equipment will continue to grow. Students will learn the fundamentals of hydraulics and can earn an Air Conditioning Recovery Certification. Students can earn certifications from the National Institute for Automotive Service Excellence (ASE), Refrigeration 609, Class I & III State Inspection, Forklift Operations.</p> <p>POWER MOTORSPORTS TECHNOLOGY...prepares students to diagnose, maintain and repair utility vehicles, all-terrain vehicles, including side-by-sides, motorcycles, watercrafts as well as outdoor power machines, including lawn and garden equipment. Students will learn the principles of engine operation, understand basic electricity, service and maintain fuel and carburetor systems, transmissions, and powertrain systems used on various types of recreational and lawn & garden equipment. Students will have the opportunity to earn PA Emissions Certifications, S/P2, OSHA 10, PA Safety Inspector Category 1, 2 and 3.</p>					
	Prerequisites	<ul style="list-style-type: none"> • None 				
	<u>Veterinary Assistant Technology</u>		9193 9402	4 Credits 3 Credits	Unweighted	Year
	Course Description	<p>In the Veterinary Assistant Technology program students will learn to keep medical records, schedule, offer client education, practice laboratory procedures, assist with nursing duties, prepare for surgeries, and assist during a routine exam. Students will also gain a solid educational base on which to build a post-secondary degree. This program may lead to additional career pathways such as Animal Trainer, Animal Breeders, Nonfarm Animal Caretakers, Laboratory Animal Caretakers, Groomers, Animal Control Worker, Veterinary Technician, Veterinary Technologist and Veterinarian. Upon accreditation, students may earn the Purina Certified Weight Coach, Pharmacy Technician, and Veterinary Assistant certifications.</p>				
Prerequisites	<ul style="list-style-type: none"> • None 					

<u>Construction Cluster</u>		9137 9337	4 Credits 3 Credits	Unweighted	Year
Course Description	<p>First-year students spend nine weeks in the following four courses offered in the Construction Technology Cluster. They are Building Construction Technology, Electrical Systems Technology, Welding Technology, and Masonry. Upon successful completion of the rotation, second-year students may choose to pursue certification in one of the following areas for the remainder of their time at PWCTC:</p>				
	<p>Carpentry A student in the carpentry program will apply technical knowledge and skills to layout, fabricate, erect, install and repair structures and fixtures using hand and power tools, scaffolding, and specialty tools used in the construction trade. This program includes instruction in common systems of framing, construction materials, estimating, blueprint reading and finish carpentry techniques. Students will be given the opportunity to earn a 10-hour Occupational Safety and Health Administration (OSHA) Construction Card. Students have the potential to earn 17 certifications through NCCER.</p>				
	<p>Electrical Systems Technology The Electrical Systems Technology program teaches students the integral components of the electrical industry for entry level employment in residential, commercial, and/or light industrial locations. The basis of instruction is in the layout, assembly, installation, wiring, maintenance, and trouble-shooting of electrical systems. Understanding programmable logistical controls (PLC's) and how transformers operate are also covered. Adherence to the National Electric Code is emphasized throughout this course as well as trade safety procedures. This program may lead to additional career pathways such as an Electrical Drafter, Electrical Technicians, Electrical Engineers, Electrical Power-Line Installers and Repairers, Meter Readers/Utilities, Control and Valve Installers/Repairs, and Locomotive Engineers, to just name a few. Additionally, students will be given the opportunity to earn a 10-hour Occupational Safety and Health Administration (OSHA) Construction Card and may have a greater opportunity to join the International Brotherhood of Electrical Workers' Union (BAC) after graduation.</p>				
	<p>HVAC/R Heating, Ventilation, Air-Conditioning, and Refrigeration, which has been newly renovated with state-of-the-industry equipment, provides instruction in basic and advanced electrical theory, troubleshooting and repair of residential and commercial heating, air-conditioning, and refrigeration systems. Students will be given the opportunity to earn a 10-hour Occupational Safety and Health Administration (OSHA) Construction Card.</p>				
	<p>Welding Technology Welding Technology covers several types of welding by which metal may be bent, cut, or welded together, including oxy-fuel, shielded metal arc, gas metal arc, gas tungsten arc, flux core welding, carbon arc, plasma cutting, and oxy-fuel brazing. Students will learn the importance of industry safety, measuring instruments, hand tools, grinders, metallurgy, blueprint reading, electrical principles, layout/design, and fabrication, as well as how to prepare materials lists for cost estimates. Students have the opportunity to earn several American Welding Society (AWS) certifications.</p>				
Prerequisites	<ul style="list-style-type: none"> • None 				

<u>Cosmetology</u>		9143 9343	4 Credits 3 Credits	Unweighted	Year
Course Description	<p>The Cosmetology program prepares students to perform technical services including all aspects of hair, skin/nail beautification, and personal maintenance. These skills are supported and reinforced with theoretical background including sanitation, chemistry, anatomy and physiology, as well as structure, function, and disorders of the hair, skin, nails, and scalp. This program helps students develop into well-rounded professionals, who practice real-world services in Parkway's salon, which is open to the public two days a week. Utilizing an integrated approach to teaching and learning, students learn about interpersonal relations, professional attitude, and career fundamentals along with technical knowledge and skills. Techniques and abilities are practiced and tested on mannequins, classmates, and the general public. Students who are able to attend this program for three years will have the opportunity to earn 1,250 hours of state-regulated course requirements to take the state licensing exam to be a licensed cosmetologist, which encompasses providing services to the public for hair, skin, and nails. Students who are able to take one or two years of instruction in this program may choose from the following specialized licensed fields:</p> <p>Nail Technician License: This license requires 200 hours of instruction and can be completed within one year. An individual holding a nail technician license is qualified to perform nail technology services only.</p> <p>Cosmetology Teacher License: Prerequisite for this course is having successfully passed at least one of the above licensures. This license requires 500 hours of required studies and can be completed within one year. An individual holding a teacher's license is qualified to perform the functions of a teacher in whichever specialized area the individual has obtained licensure.</p>				
Prerequisites	<ul style="list-style-type: none"> • None 				
<u>Culinary Arts</u>		9161 9361	4 Credits 3 Credits	Unweighted	Year
Course Description	<p>The Culinary Arts program provides practical instruction in the preparation of banquet, buffet, and a la carte styles of food preparation. Practical experience is provided through the operation and management of an in-house, full-service restaurant and beyond the restaurant environment to provide goods and services for Parkway's food store, where pastries and select meats are sold. Students learn to design cakes, sculpt ice, and prepare many different types of cuisine. First-year students spend one school year in Culinary Arts Level I. Second and third-year students will advance into Culinary Arts Levels II and III. Senior students who have completed at least two years of Culinary Arts will have the opportunity to earn both the National Restaurant Association's ServSafe certification and the American Culinary Federation certification.</p>				
Prerequisites	<ul style="list-style-type: none"> • None 				

<u>Graphic Arts & Production Technology</u>		9190 9389	4 Credits 3 Credits	Unweighted	Year
Course Description	<p>Graphic Arts & Production Technology is an instructional program that prepares individuals to apply technical knowledge and skills to plan, prepare, and execute commercial and industrial visual image and print products using mechanical and digital graphic and printing equipment. Students learn desktop publishing, layout, composition, digital printing and bindery as well as photography and other graphic arts techniques. Emphasis is on typographical layout and design using computer graphics, digital printing, bindery and finishing techniques, ink and color preparation. Students will also learn large format digital printing with application of a wide variety of output and vinyl applications including heat press and apparel design.</p>				
Prerequisites	<ul style="list-style-type: none"> • None 				
<u>Health Occupations Technology</u>		9173 9373	4 Credits 3 Credits	Unweighted	Year
Course Description	<p>Health Occupations Technology students have the opportunity to participate in a wide range of real-world clinical and job shadowing experiences at many different local healthcare providers. Clinical experiences may include: child care, long term care, emergency nursing, recovery room nursing, radiology, medical records, operating room observation, pharmacy, physical/occupational therapy, and/or lab technician. Students will have the opportunity to earn and complete the American Heart Association "CPR for Healthcare Providers" certification and the following certifications in relation to the HealthCare industry: Pennsylvania State Nurse Aide Registry (C.N.A.). For first and second year students, instruction begins with anatomy, physiology, and medical terminology. Special attention is given to medical office examinations, treatment, and patient care. Personal Care Home Direct Care Staff: For first and second year students, this component offers a competency test from the PA Department of Public Welfare and it prepares students to work in a personal care home as a direct care giver.</p> <p>Pharmacy Technician Certification (CPhT): After successful completion of this one-year, 12th grade course, students will assist the pharmacist in a variety of tasks. Module and lab work includes: controlled substances, laws and regulations, drug classifications, frequently prescribed medications, prescription information, preparing/dispensing prescriptions, calculations, sterile products, unit dose, and repackaging.</p> <p>Phlebotomy Technician Certification (CPT): This is a one semester certification course directed towards 12th grade students. Module and lab work includes: anatomy and physiology, infection control, safety and compliance, patient preparation, collection techniques, and processing of collected sample(s). Students must demonstrate a minimum of 30 successful venipunctures and 10 successful capillary punctures.</p>				
Prerequisites	<ul style="list-style-type: none"> • None 				

<u>Cyber Security & Network Technology</u>		9155 9355	4 Credits 3 Credits	Unweighted	Year
Course Description	This program prepares students who are interested in networking and computer diagnostics. It begins with Cisco IT Essentials, PC Hardware and software, and networking operating systems. Students initially prepare for CompTIA A+ and Comp TIA Server + certifications and then, through Cisco CCNA Discovery course, students learn networking concepts based on typical networks that one might encounter in home or small office, or in larger more complex enterprise models. Finally, students can prepare for the Cisco CCENT and Cisco CCNA certifications.				
Prerequisites	• None				
<u>Public Safety Technology</u>		9185 9385	4 Credits 3 Credits	Unweighted	Year
Course Description	The Public safety Technology program focuses on careers relating to emergency medical services, firefighting, law enforcement, and emergency management services. In order to successfully complete the program, students must meet minimum proficiency levels in all public safety areas. Instruction is provided in disaster situations/management, hazardous materials handling, pre-hospital medical care, map reading, firefighting, the judicial system, and emergency dispatching. Students have the opportunity to earn the following certifications: Emergency Medical Technician - Basic (EMT-B), Basic Vehicle Rescue (BVR), Emergency Vehicle Operators Course (EVOC), Hazardous Materials Recognition and Identification (Haz-Mat R&I), and multiple Federal Emergency Management Agency certifications.				
Prerequisites	• None				
<u>Sports Medicine and Rehabilitation Therapy Technology (SMARTT)</u>		9375 9376	4 Credits 3 Credits	Unweighted	Year
Course Description	<p>The Sports Medicine and Rehabilitation Therapy Technology (SMARTT) Program prepares students to work in the field of physical therapy, occupational therapy and sports medicine. Students will develop skills in prevention, diagnosis, differential diagnosis, assessment, prognosis and the rehabilitation of injuries and other health conditions. Students will learn the principles of developing a plan of care including: evaluation, interventions (exercise, manual therapy, modalities and neuro re-education), assessment, goal setting and discharge. Students will also learn how to develop a proper diet for healthy individuals and tailor it for special populations through a comprehensive understanding of nutrition. Upon successful completion, students should be able to assist in the development and implementation of a plan of care for healthy and special populations.</p> <p>Careers available directly out of the program could include: Personal Trainer, Coach, and Physical Therapy Aid. This program also provides a solid educational base on which to build a post-secondary degree or advanced certification. Careers available with additional post-secondary schooling include: Personal Trainer, Athletic Trainer, Physical Therapist, Physical Therapist Assistant, Occupational Therapist, Certified Occupational Therapist Assistant, Strength and Conditioning Coach, Medical and Exercise Physiology Researcher, Sports Psychologist, Dietitian and Exercise Physiologist.</p>				
Prerequisites	• None				

The Charters Valley School District Crest



As a component of renewal, focus groups of students, faculty, and administrators collaborated to develop ideas for a Charters Valley School District crest. Together, we identified the most significant concepts which represent the standards and aspirations of our schools: Integrity, Community, Innovation and Academia. CVHS art teacher Christopher McHugh utilized the collective ideas and feedback from the focus groups to create a beautiful visual representation of Charters Valley School District.

Each symbol in the crest highlights a different element of CV's ideals:

Red - Energy, Determination, Passion

Blue - Truth and Loyalty

1956 - The year our 4 communities became CVSD

Achievement Ribbon - Unity, School Pride

Olive Wreath - Community, Agreement and Harmony

Per Chevron - Constancy with peace and sincerity

Column - Achievement through education

Torch and Hands - Passing of knowledge from teacher to students

Winged foot and Victory Cup - Athletics, sportsmanship, fair play

Clef and Notes - Music and Performing Arts

Drama Masks - Theater and Performing Arts

Key of Knowledge - Unlock the doorway to knowledge

Graduation Cap & Diploma - Academia, Achievement, Transition