

CONESTOGA VALLEY HIGH SCHOOL

COURSE CATALOG

2024 - 2025



Conestoga Valley School District
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Lancaster, PA 17601

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Mrs. Jillian StaufferG– L

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PROFILE OF A CV LEARNER

The Profile of a CV Learner represents the important foundational elements of all learners' education, and provides learners with an education that sets them on a path to reach their fullest potential in life, regardless of their direction after graduation. The courses provided to students aim to encompass the criteria of the profile.



GRADUATION REQUIREMENTS

To be eligible for graduation from Conestoga Valley High School, a student must earn the required number of credits. Each student must meet Act 158 requirements as described on pages 5 and 6.

Course and Credit Requirements

<u>DEPARTMENT</u>	<u>CREDITS</u>
Communications (English)	4.0
Social Studies	4.0
Math	3.0
Science	3.0
Physical Education	2.0
Career Education (9th grade)	0.5
Digital Literacy 4 Today (10th grade)	0.5
Current Health Issues (11th grade)	0.5
Consumer Skills (12th grade)	0.5
Personal and Family Development (12th grade)	0.5
Art (Any Level 1 course)	0.5
Music (Any Level 1 course)	0.5
Technology Education (Any level 1 class)	0.5
Electives	8.0
<i>Total Credits Required for Graduation</i>	28.0

**Course requirements may be modified to accommodate students' IEPs and those enrolled in CTC programs.*

COURSE WEIGHTING/GPA MEASUREMENT SCALE

The table below is used to calculate weighted GPA. Weight is added to GPA point values by multiplying a consistent percentage to Level 2 and Level 3 courses. Those values will then be added and divided by the total number of credits completed.

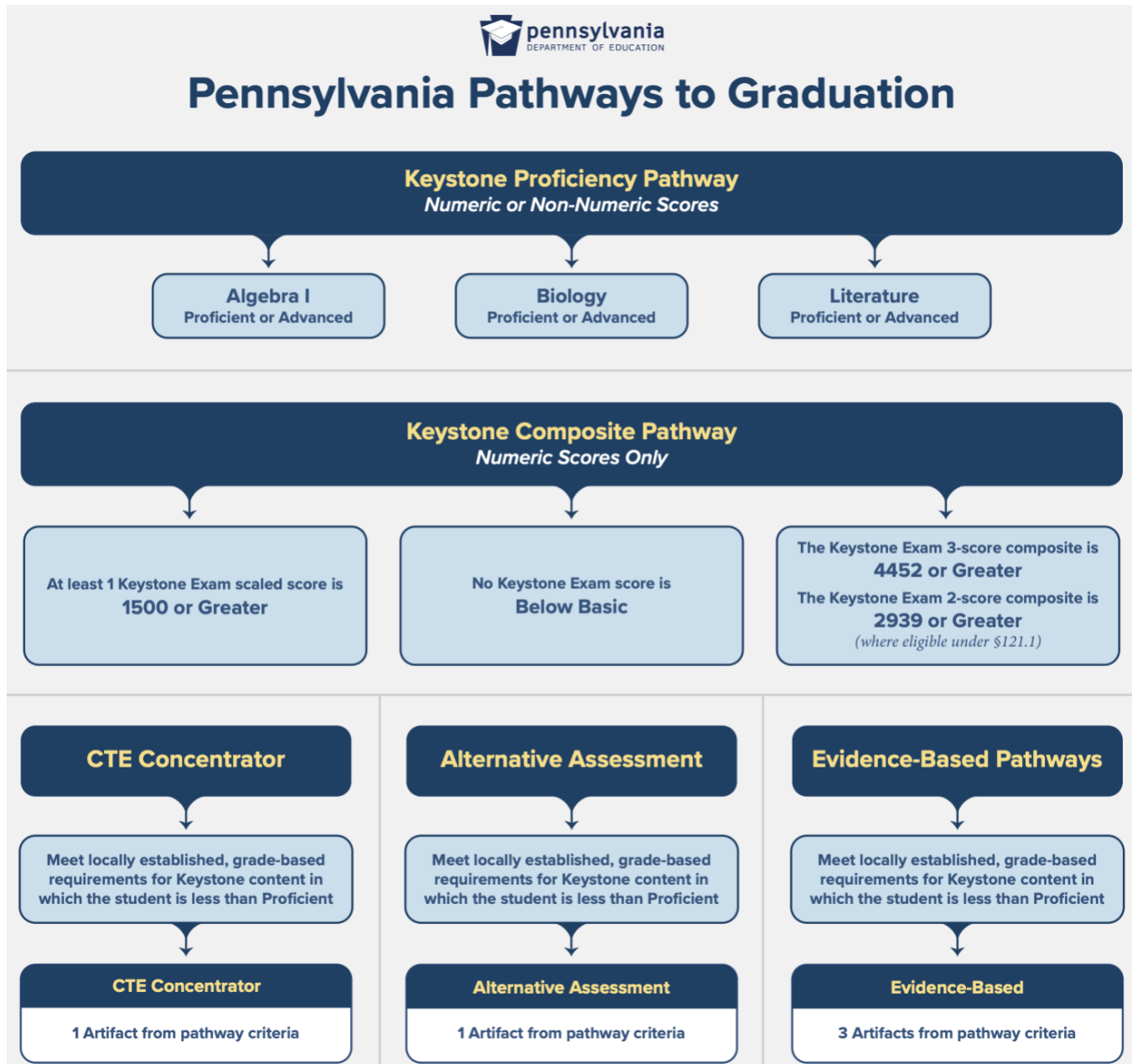
Grade	Achievement Range	Level 1 Weighting General and College Prep Courses	Level 2 Weighting Honors courses (Multiply by 12.5%)	Level 3 Weighting AP Courses, College in the High School (CHS) Courses & Dual Enrollment Courses (Multiply by 25%)
A+	98 – 100	4.0	4.5	5.0
A	92 – 97	4.0	4.5	5.0
A-	90 – 91	3.67	4.12875	4.5875
B+	88 – 89	3.33	3.74625	4.1625
B	82 – 87	3.0	3.375	3.75
B-	80 – 81	2.67	3.00375	3.3375
C+	78 – 79	2.33	2.62125	2.9125
C	72 – 77	2.0	2.25	2.5
C-	70 – 71	1.67	1.87875	2.0875
D+	68 – 69	1.33	1.49625	1.6625
D	62 – 67	1.0	1.125	1.25
D-	60 – 61	0.67	0.75375	0.8375
F	Below 60	0	0	0

Class rank formula is as follows: ***Total GPA Point Values / Number of Credits Taken = Weighted GPA Course Average***

Graduation Requirements (Act 158)

Act 158 of 2018 (Act 158) provides alternatives to Pennsylvania's statewide requirement of attaining proficiency on the three end-of-course Keystone Exams (Algebra 1, Literature, and Biology) for a student to achieve statewide graduation requirements. Students must continue to take the Keystone Exams for purposes of federal accountability.

Effective with the class of 2023 and beyond, in addition to CVSD graduation requirements, one of the five below pathways **MUST** be met for graduation. The diagram below gives an overview of the Act 158 requirements followed by descriptions of each pathway.



Act 158 Pathway Descriptions

Pathway 1: Keystone Exam Proficiency (all three criteria must be met)

- Proficient or Advanced in Algebra 1
- Proficient or Advanced in Biology
- Proficient or Advanced in Literature

Pathway 2: Keystone Exam Composite (all three criteria must be met)

- At least one Keystone score is Proficient or Advanced and No score is Below Basic
- Composite Keystone Score is 4452 or greater (sum of the 3 Keystone Exam scores)
- Composite Keystone Score is 2939 or greater (sum of 2 Keystone Exams where eligible)

Pathway 3: Career and Technical Education (CTE) Concentrator (1 Piece of Evidence)

- Industry-based competency certification
- Likelihood of industry-based competency assessment success
- Readiness for continued engagement in CTE Concentrator program of study

Pathway 4: Alternative Assessment (1 Piece of Evidence)

- Attainment of one alternative assessment score or better
 - ACT (Score of 21)
 - ASVAB [Armed Forces Qualifying Test (AFQT)**] (Score of 31)
 - PSAT/NMSQT (Score of 970)
 - SAT (Score of 1010)
- Attainment of Gold Level or better on ACT WorkKeys
- Attainment of 3 or better on AP Exam(s) related to each Keystone content area in which less than proficient
- Successful completion of concurrent (Dual enrollment) course(s) related to each Keystone content area in which less than Proficient
- Successful completion of a pre-apprenticeship program
- Acceptance into accredited, non-profit Institution of Higher Education (IHE) 4yr program for college-level coursework

Pathway 5: Evidence-Based (3 Pieces of Evidence consistent with student goals)

- Section 1: One or more of the following pieces of evidence:
- Attainment of 630 or better on any SAT Subject Test
 - Attainment of Silver Level or better on ACT WorkKeys
 - Attainment of 3 or better on any AP Exam
 - Successful completion of any concurrent (dual enrollment) or post-secondary course
 - Industry-recognized credentialization
 - Acceptance into accredited, non-profit Institution of Higher Education (IHE) for college-level coursework in an other-than-4yr program
- Section 2: No more than TWO from the following pieces of evidence:
 - Attainment of Proficient or Advanced on any Keystone Exam
 - Successful completion of a service-learning project
 - Letter guaranteeing full-time employment or military enlistment
 - Completion of an internship, externship, or cooperative education program
 - Compliance with NCAA Division II academic requirements

COLLEGE AND CAREER READINESS OPPORTUNITIES

WORK EXPERIENCE (Maximum of 4 Credits: 2 Per Semester)

Course No: 0132	Credits: 4	Gr. 11-12
Course No: 0132A	Credits: 2	Gr. 11-12
Course No: 0132B	Credit: 1	Gr. 11-12
Course No. 0132C	Credit: .5	Gr. 11-12

Students must apply for Work Experience through the counseling office. Students may earn high school credit through Work Experience opportunities and may accrue hours throughout the calendar week. Students are expected to make arrangements for their own employment. Students must remain in satisfactory academic standing, and must have official working papers on file. A student must work a minimum of 15 hours per week to earn work experience credit. See your School Counselor for additional guidelines.

INTERNSHIP (Off-Campus) (Students could earn 4 Credits Per Year, but more credits may be earned with approval from administrator and internship coordinator permission)

Course No: 0320	Credit: 1	Gr. 11-12
Course No: 0320A	Credit: .5	Gr. 11-12
Course No: 0320B	Credit: .25	Gr. 11-12

Why choose an off-campus internship?

- Learn more about your field of interest
- Apply knowledge learned in the classroom
- Gain valuable work experience
- Determine your career path
- Create connections with local companies
- Make valuable networking contacts
- Develop and build upon employability skills
- Obtain references for future job opportunities
- Enhance your school transcript for scholarship and college perspective

Internship opportunities are available to 11th and 12th grade students (and to 9th or 10th grade students with administrative permission) who wish to benefit from early experiences with industry experts in their chosen career. Students will collaborate with the Internship Team (counselor, Internship Coordinator and/or Work-based Learning Facilitator) to find a proper placement and during the experience. These experiences may be paid or unpaid. You will be responsible for transportation to your internship location. A grade will be awarded based on the evaluation of the site supervisor and successful completion of the internship requirements. Successful completion of an Internship qualifies as one (1) piece of evidence for Act 158 Pathway 5, Section 2 (Internship).

TEACHER ASSISTANT

Credits: .5

Course No: 6719005

Gr. 11-12

This opportunity is for aspiring educators and students interested in various subject areas who would like a career mentoring experience. Activities involve preparing sample lessons, reinforcing activities, and reviewing material with students one-on-one or in small groups. Teacher assistants may also assist with various classroom management duties such as making copies and organizing classroom materials. Students are required to secure their own placement with a teacher. Students are limited to 1 credit (2 marking period courses) per school year of teacher assistant. A grade will be awarded based on the evaluation completed by the supervision teacher and completion of the career mentoring requirements. Successful completion of a Teacher Assistant experience qualifies as one (1) piece of evidence for Act 158 Pathway 5, Section 2 (Externship: Career Mentoring).

COLLEGE IN THE HIGH SCHOOL (CHS) and Advanced Placement Courses (On-Campus)

These courses (see department specific sections) allow students to earn college credit through courses at CVHS based upon successful completion of requirements. Please see your school counselor or department teacher for more information.

DUAL ENROLLMENT (Off Campus) (Prior Approval by School Counselor)

Dual Enrollment, referred to as “concurrent enrollment” in the School Code, is a program designed to encourage a broader range of students to experience post-secondary coursework and increased academic rigor. A dual enrollment agreement must be established between Conestoga Valley High School and the cooperating college or university for credit to be considered concurrent. **Students are responsible for transportation and costs of tuition for dual enrollment courses.** Tuition costs are established by the collaborating college or university. A complete list of cooperating colleges and universities offering dual enrollment credit with Conestoga Valley High School is available on the high school website under the Counseling Tab — Academic Planning — Early/Dual Enrollment Opportunities. Students should talk to their school counselor for additional information.

Students receive one (1) CVHS credit for each three (3) credit (or more) dual enrollment college course completed.

If a student drops a dual enrollment course, CV will follow the grading procedures of the college or university.

Students are not limited to the number of approved dual enrollment/college credits taken during their high school years.

The criteria for eligibility for CHS/dual enrollment courses are as follows:

- Student is in 11th or 12th grade (Sophomores may take CHS U.S. History 2).
- Student is making satisfactory progress toward fulfilling graduation requirements as determined by the school district.
- Student demonstrates readiness for college-level coursework in the intended subject area of study as determined by the college.
- Colleges/universities may use academic grades (3.0 GPA or higher) and achievement tests such as PSAT/SAT/ACT scores to determine eligibility.
- Each college or university may have additional admission requirements and/or course prerequisites.

A dual enrollment application must be completed and returned to the student's counselor two weeks prior to the semester or the course will not be added to the transcript. Students may arrange to take more than the standard five (5) classes during a particular marking period or semester as necessary to meet career goals and/or special post-secondary program requirements. Exceeding standard credit amounts should be discussed and arranged with the student's school counselor.

DUAL E – RIGHT START TO POST SECONDARY EDUCATION

Course No: D4CV0312

Credit: 1

Gr. 11-12

Students who achieve a “C” or better for the course will earn one (1) credit from the University of Pittsburgh. This CHS course is designed to help students navigate and flourish in both the college application process and life after high school. It is focused on major/career exploration and planning and related aspects of financial literacy. The course is divided into three parts. Part one covers the Common App and all related parts of the college application process, how to navigate financial aid, and what to expect in college. During this portion of the course, students will write their college essays and as well as complete a detailed walkthrough of how to arrange the information on their college applications to present themselves for admission in the best way possible. They will also explore areas of time management, study skills, and test preparation. During part two, students will learn about and participate in topics such as include transferrable skills, career research, advanced resume, cover letter writing, and interviewing and networking skills. In the final part of the course, in-depth financial literacy and planning are explored. Subjects include detailed budgeting, understanding and navigating credit and credit scores-both FICO and VantageScore, investment classes, loans, different types of insurance-including renters, auto, health, homeowners, disability, and umbrella coverage as well as an understanding of what coverages may be needed, personal taxes, and estate planning.

(Level 3 Weighting)

INDEPENDENT STUDY

A student may select an area of study to pursue independently of the traditional classroom environment with approval from the respective principal and parent. Students may request independent study for any course extensions of a course which they are not able to schedule because of a conflict with the meeting time. Students may earn a letter grade or an O, S, or U. This grade is determined by the teacher and administrator. Note: There is a maximum of 2 credits per year earned in this category unless otherwise noted. **(Level 1 Weighting)**

EARLY GRADUATION PROGRAM

Eligible Conestoga Valley High School 11th and 12th grade students, upon meeting all graduation requirements and consulting with their school counselor, may request to graduate early. Students interested in this option must obtain an Early Graduate application. Once graduated, students are no longer eligible to participate in extra-curricular activities or sports. It is understood that early graduation students' final class rank may be negatively impacted by choosing this option. Early graduates will no longer be active CVHS students and will be treated as Conestoga Valley High School alumni.

CAREER AND TECHNOLOGY EDUCATION



The Lancaster County Career and Technology Center is a full service career and technical school that provides hands-on skills training combined with academic learning to prepare you for careers in the new economy. For more details about the CTC Programs, see lancasterctc.edu

Why choose LCCTC?

- Earn between 3 and 13 college credits during your senior year.
- Have the opportunity to participate in a clinical rotation/internship (some even get paid–co-op).
- Earn a diploma from CVHS **and** a certificate of completion from the Lancaster County Career & Technology Center.
- Gain certain State and National certifications in the areas of expertise.

Choose a concentration in the following career fields:

- Advanced Manufacturing
- Agriscience
- Construction Technologies
- Consumer Services
- Culinary Arts
- Informational Technology
- Medical/Dental
- Protective Services
- Transportation Technologies
- Visual Communications

HALF-DAY CLUSTER CAREER AND TECHNOLOGY PROGRAM

Course No: 0222

Credits: 5

Gr. 11

Students who to attend CTC during their 11th grade year will have Social Studies and Physical Education requirements waived for that year only. Juniors who attend will take a total of four credits at CV (English, Math, Physical Education, Health, and either Social Studies or Science), and five credits at CTC. Successful completion of a of an Industry-Based Competency Certification, the likelihood of Industry-Based Competency Assessment success, and/or readiness for Continued Engagement in CTE Concentrator Program of Study all qualify as pieces of evidence for Act 158 CTE Pathway 3.

FULL-DAY PROGRAM CAREER AND TECHNOLOGY CENTER (CTC)

Course No: 0242

Credits: 10

Gr. 12

Students who attend full-day CTC will be awarded 10 credits based on successful completion of their program. Students who are credit deficient may need additional courses to fulfill CV graduation requirements. **Students must apply by December of the school year before they plan to attend the CTC.** Once attending, the CTC is a full-year commitment. Successful completion of an Industry-based Competency Certification, the likelihood of Industry-based Competency Assessment success, and/or readiness for Continued Engagement in CTE Concentrator Program of Study all qualify as pieces of evidence for Act 158 Pathway 3 (CTE Concentrator).

CONESTOGA VALLEY VIRTUAL ACADEMY

FLEXIBLE, PERSONALIZED, CONNECTED



Conestoga Valley High School has several options for meeting graduation requirements through online learning, including full-time as a student in our Conestoga Valley Virtual Academy (CVVA) or through a more blended schedule of in-person and virtual courses. Additional information regarding CVVA online learning is available on the CVSD website. Contact your school counselor or the Administrator for Non-Traditional Learning and Career Readiness (Melanie Upton, melanie_upton@conestogavalley.org) for more details.

Why choose CVVA courses?

- Greater flexibility in your scheduling (for college or advanced courses, internships, worked-based learning, etc.) or you cannot fit an on-campus course on your schedule.
- Individualized learning experience to meet academic, extracurricular, and personal needs

Students choosing virtual learning have access to all required courses (English, Math, Science, Social Studies, Physical Education, Career Education, Digital Literacy 4 Today, Current Health Issues, Consumer Skills, Personal & Family Development) and can satisfy their Art, Music, and Tech. Ed. Requirements online. Electives can be found under CVVA Elective Courses in this course selection guide.

COMMUNICATIONS (ENGLISH)

All students are required to take at least one (1) credit of core English each year at CVHS. Students take English 1 in 9th grade and English 2 in 10th grade. In both the 11th and 12th grade years, students choose at least one (1) credit of a core English course that meets the department requirements. All required core courses have required research papers or projects. Students wishing to pursue additional credits should work with their school counselor to ensure appropriate sequencing. Students may also take additional English core classes beyond the required four (4) as electives. In addition to required grade-level English courses, electives are also available. These electives do not count toward the graduation requirements but may be counted as Elective credits for graduation.

HONORS ENGLISH 1

Course No: 1011H

(Prerequisite: 8th Grade Teacher Recommendation)

Credit: 1

Gr. 9

This rigorous course expands upon the content presented in 8th grade. The literature study develops academic reading skills and includes drama, novel, non-fiction, fiction, and poetry. Utilizing the writing process, students compose expository and persuasive essays. Students who elect this course should be prepared to read longer passages of text nightly, comprehend text independently, and analyze the text accurately in preparation for numerous writing styles, including research-based ones. A biography project will culminate with an oral presentation. Vocabulary is SAT-prep in nature and focuses on roots, prefixes, suffixes, and context clues. Students who select this course should be prepared to complete a significant amount of independent work both in and outside the classroom. Students are required to read select texts before the start of the course. This is a very demanding course with high academic expectations. This course is designed for students interested in pursuing a college degree or other post-secondary studies. **(Level 2 Weighting)**

COLLEGE PREP ENGLISH 1

Course No: 1011

Credit: 1

Gr. 9

This course expands upon the content presented in 8th grade. The study of literature develops academic reading skills and includes drama, novel, non-fiction, fiction, and poetry. Utilizing the writing process, students compose expository and persuasive essays and use research techniques in analyzing various articles. A biography project culminates with an oral presentation. Vocabulary is SAT-prep in nature and focuses on roots, prefixes, suffixes, and context clues. This course is designed for students interested in pursuing a college degree or other post-secondary studies. **(Level 1 Weighting)**

ENGLISH 1

Course No: 1012

Credit: 1

Gr. 9

This course expands upon the content presented in 8th grade. The study of literature develops academic reading skills and includes drama, novel, non-fiction, fiction, and poetry. Utilizing the writing process, students compose expository and persuasive essays and analyze various other writing pieces, such as articles. A biography project culminates with an oral presentation. Vocabulary study focuses on roots, prefixes, suffixes, and context clues to make meaning. This course is designed for students pursuing a career immediately after high school or a 2-year college degree. **(Level 1 Weighting)**

HONORS ENGLISH 2

Course No: 1021H

(Prerequisite: An A in College Prep English 1 or at least a C in Honors English 1)

Credit: 1

Gr. 10

This rigorous course expands upon the content presented in the 9th grade honors or college prep academic course. The study of literature develops academic reading skills and includes drama, novel, non-fiction, memoir, and possibly short story and poetry. Utilizing the writing process, students compose expository essays, persuasive/argumentative essays, and research papers. Students who select this course should be prepared to read longer passages of text nightly, comprehend text independently, and analyze the text accurately to write numerous analytical essays. Students will also be required to follow themes in literature across multiple texts. Vocabulary teaches students linguistic reasoning skills as well as affixes and roots. Students who select this course should be prepared to complete a significant amount of independent work both in and outside the classroom. Students are required to read select texts before the start of the course. This is a very demanding course with high academic expectations. This course is designed for students interested in pursuing a college degree or other post-secondary studies. **(Level 2 Weighting)**

COLLEGE PREP ENGLISH 2**Course No: 1021****Credit: 1****Gr. 10**

This course expands upon the content presented in College Prep English 1. The study of literature develops academic reading skills and includes drama, novel, non-fiction, memoir, and possibly short story and poetry. Utilizing the writing process, students compose expository essays, persuasive/argumentative essays, and research papers in preparation for post-secondary studies. In addition, students have numerous formal writing experiences. Vocabulary teaches students linguistic reasoning skills as well as affixes and roots. This course is designed for students interested in pursuing a college degree or other post-secondary studies. **(Level 1 Weighting)**

ENGLISH 2**Course No: 1022****Credit: 1****Gr. 10**

This course expands upon the content presented in English 1. The study of literature develops academic reading skills and includes drama, novel, non-fiction, autobiography, and possibly short story and poetry. Utilizing the writing process, students compose expository and persuasive multi-paragraph essays. Students will demonstrate independence in gathering vocabulary knowledge when considering a word or phrase important to comprehension or expression and receive specific vocabulary instruction in commonly used words. In addition, students will have numerous formal writing experiences. Vocabulary instruction focuses on roots, prefixes, and suffixes. **(Level 1 Weighting)**

CORE ENGLISH COURSES FOR 11TH AND 12TH GRADE

Students will choose from the following courses for their 11th and 12th grade English requirements.

HONORS AMERICAN LITERATURE**Course No: 102901H**

(Prerequisite: Successful completion of Advanced Composition, an A in College Prep English 2, or a C in Honors English 2)

Credit: 1**Gr. 11-12**

This rigorous study of American literature expands upon the content presented in the 10th-grade honors or a college prep 10th grade academic course. Students will analyze an author's techniques to create fiction and nonfiction texts through literary analysis of American literature and related works. Utilizing the writing process, students compose expository essays, persuasive/argumentative essays, and research papers. Students who select this course should be prepared to read longer passages of text nightly, comprehend text independently, and analyze the text accurately to write numerous analytical essays and tests. Students will also be required to follow themes in literature across multiple texts. Vocabulary is SAT-prep in nature and teaches students linguistic reasoning skills and affixes and roots. Students who select this course should be prepared to complete a significant amount of independent work both in and outside the classroom. Students are required to read select texts before the start of the course. This is a very demanding course with high academic expectations. This course is designed for students interested in pursuing a four-year college degree and meets the department requirement for a core English class for 11th or 12th grade students. **(Level 2 Weighting)**

COLLEGE PREP AMERICAN LITERATURE**Course No: 102901****Credit: 1****Gr. 11-12**

This course expands upon the content presented in the 9th and 10th grade college prep English courses. The course provides a survey of American literature, and the students will utilize the writing and research processes for composing expository and persuasive writings. Students will analyze the techniques an author uses to create fiction and nonfiction texts through literary analysis. Vocabulary instruction centers on roots, prefixes, suffixes, and context clues. This course is designed for students interested in pursuing a college degree or other post-secondary studies and meets the department requirement for a core English class for 11th or 12th grade students. **(Level 1 Weighting)**

AMERICAN LITERATURE FOR LIFE AND WORK**Course No: 103001****Credit: 1****Gr. 11-12**

This course emphasizes the study of American literature through themes for life and work, reading and analyzing literature, and vocabulary study. The emphasis in writing relates to the process and applications of composition. Students must also participate in daily discussions to emphasize the communication process. Vocabulary instruction centers on roots, prefixes, suffixes, and context clues. This course is designed for students pursuing a career immediately after high school or a 2-year college degree and meets the department requirement for a core English class for 11th or 12th grade students. **(Level 1 Weighting)**

COLLEGE PREP BRITISH ENGLISH AND WORLD LITERATURE**Course No: 103901****Credit: 1****Gr. 11-12**

This course analyzes an author's literary analysis of British, World, and contemporary literature to create fiction and nonfiction texts. Vocabulary instruction centers on roots, prefixes, suffixes, and context clues. Students will utilize the writing and research processes for composing expository and persuasive writings. This course is designed for students interested in pursuing a college degree or other post-secondary studies. and meets the department requirement for a core English class for 11th or 12th grade students. **(Level 1 Weighting)**

COLLEGE PREP DRAMA STUDIES AND PRODUCTION - ENGLISH**Course No: 104601****Credit: 1****Gr. 11-12**

This course will focus on the study of drama as a literary genre. Students will read both classic and contemporary plays and write character and scene analyses. They will also write critiques of live performances. The second half of the course will focus on the writing and production of an original, devised play to be performed before an audience. Previous theater experience is required. **(Level 1 Weighting)**

COLLEGE PREP HUMANITIES - ENGLISH**Course No: 1440****Credit: 1****Gr. 11-12**

This course presents a thematic approach to studying works of art, literature, and music. Students will explore historic and contemporary pieces created by people of diverse backgrounds and interests. Students are expected to respond to course works critically and creatively as well. This course is designed for students interested in pursuing a college degree or other post-secondary studies and meets the department requirement for a core English class for 11th or 12th grade students. **(Level 1 Weighting)**

COLLEGE PREP JOURNALISM**Course No: 1220****Credit: 1****Gr. 11-12**

This course will focus on the study of print journalism. Journalistic techniques will be analyzed and employed, including daily newspapers, magazines, and online publications/platforms. Content emphases are the following: to improve students' ability to recognize and analyze ethical issues that confront journalists, to utilize a writing workshop that honors and encourages writing as a process, and to allow students time and practice to find their voice in the highly technical writing style of the journalist. Responsibilities might include writing articles for local newspapers, district communications, and *The Valley Voice*. This course is designed for students interested in pursuing a college degree or other post-secondary studies and meets the department requirement for a core English class for 11th or 12th grade students. **(Level 1 Weighting)**

COLLEGE PREP MEDIA IN THE 21ST CENTURY - ENGLISH**Course No. 104701****Credit: 1****Gr. 11-12**

This course will introduce students to semiotics and structuralism, which serve as the theoretical basis for analyzing media. With this foundation, students will analyze visual media, including commercials and advertisements. Students will focus on detecting bias and distinguishing fact from opinion. Students will study television and film by learning about the "grammar" of visual language and how this language conveys meaning. Another unit will examine media most accessible to students, including social media, memes, and fashion. Students will learn about the concept of the schema as it relates to cultural literacy, especially about meme culture. The final unit will focus on analyzing popular music lyrics and music videos for their intended messages and unintended consequences, in some cases. **(Level 1 Weighting)**

MEDIA IN THE 21ST CENTURY - ENGLISH**Course No. 104801****Credit: 1****Gr. 11-12**

This course will prepare students to analyze visual media, including commercials and advertisements. Students will focus on detecting bias and distinguishing fact from opinion. Students will study television and film by learning about the "grammar" of visual language and how this language conveys meaning. Students will also examine social media and memes for their cultural significance. **(Level 1 Weighting)**

COLLEGE PREP SCIENCE FICTION STUDIES**Course No: 113101****Credit: 1****Gr. 11-12**

This course analyzes influential Science Fiction works, including novels, short stories, non-fiction, television, and film. Students are expected to understand the genre, be able to engage critically and creatively with Science Fiction texts, and identify their broad cultural impact. This course is designed for students interested in pursuing a college degree or other post-secondary studies and meets the department requirement for a core English class for 11th or 12th grade students. **(Level 1 Weighting)**

DUAL E- ARGUMENT**Course No: D4CV0111****(Prerequisite: Successful completion of Advanced Composition and one of the following: C or better in any Honors or Dual-E English course, or an A in any College Prep English course plus teacher recommendation.)****Credit: 1****Gr. 11-12**

This course is offered through the University of Pittsburgh. Students who achieve a "C" or better for the course will earn three (3) college credits from the University of Pittsburgh that are transferable to other colleges and universities. This course teaches students to recognize, explain, research, construct, present and critique arguments. Assignments invite students to create their own research-based arguments, express them capably to peers and instructors, eloquently refute competing arguments, and judge the soundness of arguments made by others. A survey of key concepts, including the Toulmin model, in argumentation theory will provide background for students to develop their argument skills in a variety of both oral and written activities that feature lively intellectual interchange. Students will participate in live debates to hone argument skills. **(Level 3 Weighting)**

DUAL E-ENGLISH Composition and Literature**Course No: D1CV1010207****(Prerequisite: Successful completion of Advanced Composition and one of the following: C or better in any Honors or Dual-E English course, or an A in any College Prep English course plus teacher recommendation.)****Credit: 1****Gr. 11-12**

Students are enrolled as HACC students and take the CHS course at a reduced tuition rate. Upon successful completion of course requirements, students will earn up to six (6) college credits through HACC that may be transferred to most Pennsylvania colleges and universities and some out-of-state schools, as well as one CV English credit. Students will respond appropriately to the needs of different audiences and rhetorical contexts in terms of voice, tone, level of formality, format, and structure while exploring literature in a variety of genres such as short fiction, poetry, and drama. The focus of this course is on the elements of the literature studied, including character, style, structure, form, tone, and theme. The historical and cultural context of the works studied, including history, geography, culture, race, gender, class, ethnicity, and religion are also considered. Literature studied in this course is drawn from various literary periods as well as from a range of writers, including American, British, western European, and world literary figures. **(Level 3 Weighting)**

DUAL E- INTRODUCTION TO FILM**Course No: D4CV101****(Prerequisite: Successful completion of Advanced Composition and one of the following: C or better in any Honors or Dual-E English course, or an A in any College Prep English course plus teacher recommendation.)****Credit: 1****Gr. 11-12**

This class is offered through the University of Pittsburgh. Students who achieve a "C" or better for the course will earn three (3) credits from the University of Pittsburgh. Upon completing this course, students will earn 3 college credits through the University of Pittsburgh. Introduction to Film is a basic course on the visual arts that offers students a broad introduction to the medium of film while inviting conversations about new media, television, and film's connection to other arts, including photography, painting, theater, and web video. The course teaches students with no background in media studies to analyze media in terms of art, industry, and culture. The class will consider such issues as the process of contemporary film production and distribution, the nature of basic film forms, selected approaches to film criticism, comparisons between film and the other media; genre; auteurism; marketing; diversity of representation. **(Level 3 Weighting)**

AP ENGLISH LITERATURE AND COMPOSITION**Course No.: 1040AP****(Prerequisite: Successful completion of Advanced Composition and one of the following: C or better in any Honors or Dual-E English course, or an A in any College Prep English course plus teacher recommendation.)****Credits: 1****Gr. 11-12**

This challenging, two-semester course, designed for those students interested in taking the AP English exam to receive college credit(s), is recommended for those who have taken Honors American Literature, CHS101 CHS English Composition, or CHS Intro to Film. This course has three primary areas of focus: literature, writing, and AP exam preparation. The course will include a wide variety of literary works. Students who elect this course should be prepared to read longer passages daily, comprehend text independently, and analyze the text accurately in preparation for numerous timed literary analysis writings as well as published formal compositions. Students who select this course should be prepared to complete AP-level work both in and outside the classroom successfully. Students are required to read select texts before the start of the course. This is a very demanding course with high academic expectations. This course is designed for students interested in pursuing a four-year college degree and meets the department requirement for a core English class for 11th or 12th grade students.

(Level 3 Weighting)

COMMUNICATIONS ELECTIVES

The following courses are electives. They do not fulfill the graduation requirement for English credits. They may be counted as Elective credits required for graduation.

CURRENT ISSUES IN JOURNALISM

Course No. 1222

Credit: .5

Gr. 9-12

This course will consist of a project- or problem-based units implemented according to current issues in journalism. Students will work for an extended period of time to examine and respond to an authentic, engaging, and complex question, problem, or challenge related to the field of journalism. Speakers and local practitioners in the field may be utilized for skill-building and mentorship. The journalism content will be flexible to accommodate developments in media, technology, emerging fields, student engagement, and personalized learning. **(Level 1 Weighting)**

ADVANCED COMPOSITION

Course No: 1341H

(Serves as a prerequisite for 11th and 12th grade honors classes, DUAL E and AP courses)

Credit: .5

Gr. 9-12

This intensive writing course is designed for the student who desires to develop strong written communication skills and/or is planning to take 11th and/or 12th grade College in the High School English or Honors level courses. The course will concentrate on developing advanced abilities in expository and argument writing and an in-depth study of the American English Language. Compositions may include autobiography, definition, classification, description, and opinion/argument. This course is designed for students interested in pursuing a college degree or other post-secondary studies. **(Level 2 Weighting)**

PUBLIC SPEAKING

Course No: 1412

Credit: .5

Gr. 9-12

The purpose of public speaking is to enable students to speak effectively in both formal and informal settings. The first few weeks of the course will focus on communication fundamentals, overcoming stage fright; sharing of self; interpersonal, group, and public communications; listening skills; analyzing audience; verbal and nonverbal communication; and speech delivery. The course will then emphasize the principles of oral interpretation, and students will have opportunities to practice the techniques to present various literary selections, individually and chorally. Following the instruction on how to write a speech, students will deliver various presentations: a formal speech about self, a speech for a special occasion, an informative speech, and an impromptu speech. At the conclusion of the course, students should feel confident to plan, prepare, rehearse, and present speeches for various purposes and in a variety of speaking situations. **(Level 1 Weighting)**

SMALL GROUP COMMUNICATION

Course No. 1262

Credit: .5

Gr. 9-10

This course will explore interpersonal communication and the factors that affect it, including group dynamics, conflict resolution, the impact of context on communication, how power impacts relationships, and the evolution of interpersonal communication through technology and social networking. Students will explore content related to these topics and practice through a variety of discussions, simulations, role-playing, group projects, presentations, and other assessments. **(Level 1 Weighting)**

CREATIVE WRITING

Course No: 1322

Credit: .5

Gr. 9-12

This course is designed for students who wish to experience writing as a form of artistic self-expression. The course will enable students to develop originality in thought and writing and bring students to a greater awareness of self. Students will first read and analyze examples of the following genres: short story, drama, and poetry. Students will then be accountable for creating their own short stories, one-act plays, and poetry projects. Students will also be required to write in a journal daily. Conferences with peers and the teacher and self-reflection/assessment will enable students to have a greater understanding of the creative process, ways to improve writing, and audience appeal. **(Level 1 Weighting)**

ADVANCED CREATIVE WRITING (Offered alternate years)**Course No: 1323005H****(Prerequisite: Grade of C or higher in Creative Writing, and/or a teacher recommendation)****Credit: .5****Gr. 10-12**

This intensive writing course is designed for students who wish to experience writing as a form of artistic self-expression and build upon what they learned in Creative Writing class. The course will emphasize a project-based learning approach to creative writing, and the students will use their skills to create, design, and publish a literary magazine showcasing their best student work. The course will concentrate on developing advanced abilities in creative writing and encouraging students to develop originality in thought to bring them to a greater awareness of self. Creative writing techniques and design techniques associated with publishing literary works will be discussed and used in this class. Students will read, analyze, and write samples of writing in a variety of genres including short stories and poetry, write in a journal daily, conference with peers and the teacher, and reflect on their own learning with the goal of creating and publishing their own writing. **(Level 2 Weighting)**

YEARBOOK PUBLICATIONS**Course No: 1241****Credit: .5****Gr. 9-12**

This course is designed for a student who has an interest in print and visual media. Emphasis is on preparing the school yearbook for publication. Journalistic techniques will be discussed and practiced, including those associated with yearbook publications. Responsibilities might include photography, graphic design, writing and editing text, and business marketing. **(Level 1 Weighting)**

INTRODUCTION TO THEATRE**Course No: 1431****Credit: .5****Gr. 9-12**

This course introduces various aspects of the theatre, with an emphasis on on-stage performance. Students will practice analyzing scripts and developing monologues in addition to improvisational acting skills. This course is appropriate for all levels of experience in the theatre. **(Level 1 Weighting)**

HISTORY OF FILM 1**Course No. 1410****Credit: .5****Gr. 9-12**

This course prepares students to critically interpret, discuss, and write about films as a text. Students will study a wide variety of films from across the world and be able to recognize various trends and the characteristics of different genres within a film. In addition to the films themselves, curriculum components include a textbook and multiple critical analyses. Assessments include tests, formal and informal discussions/journal responses, and multiple writing assignments. **(Level 1 Weighting)**

HISTORY OF FILM 2**Course No. 1411****(Prerequisite: History of Film 1)****Gr. 10-12****Credit: .5**

This course will expand upon the concepts taught in History of Film by instructing students about various modes of film writing depending on audience (general or academic audiences). Students will gain analytical skills and learn how to communicate their analysis both verbally and in writing. The course emphasizes the acquisition of skills rather than content by teaching students how to interpret visual language. Students will critically interpret, discuss, and write about films as a text. They will study a wide variety of films from across the world and be able to recognize various trends and the characteristics of different genres and archetypes within film. In addition to the films themselves, curriculum components include multiple critical analyses. Assessments include formal and informal discussions/journal responses, and multiple writing assignments. **(Level 1 Weighting)**

WRITING / READING SUPPORT

The following courses are required courses for students who have demonstrated a need for additional skill development in reading.

ACADEMIC LITERACY A**Course No: 1551****Credit: 1****Gr. 9-12**

This course is designed to enhance students' reading skills for lifelong learning. The course will emphasize decoding, fluency, reading comprehension, and constructive responses to reading selections. Enrollment in this course is based on student data such as previous PSSA scores, GRADE, benchmark performance, district-constructed assessments, and teacher recommendations. **(Level 1 Weighting)**

ACADEMIC LITERACY B**Course No: 1552****Credit: 1****Gr. 10-12**

This course is designed to enhance students' reading skills for lifelong learning and to prepare students for success. The course will emphasize reading comprehension and constructive responses to of fiction and non-fiction reading selections. Enrollment in this course is based on student data such as previous PSSA scores, GRADE, benchmark performance, district-constructed assessments, Keystone testing, and teacher recommendations. The course stresses essential reading strategies necessary to achieve proficiency on the Literature Keystone. **(Level 1 Weighting)**

SOCIAL STUDIES

All students are required to successfully complete U. S. History 1, U. S. History 2, and World History.

HONORS U.S. HISTORY 1**Course No: 2011H****Credit: 1****Gr. 9**

This Honors level course is recommended for students reading above grade level, performing at well above average level, and identified by their 8th grade teacher as well qualified. Social, political, geographical, economic, and cultural history is interwoven in this comprehensive survey of the United States from the Presidency of George Washington through Reconstruction. Students taking this course are required to do additional readings, writings, and projects beyond the college prep course curriculum. Students who elect to take this class are encouraged to enroll in the Dual-Enrollment U.S. History 2 course for 10th grade. This course is designed for students interested in pursuing a college degree or other post-secondary studies.

(Level 2 Weighting)**COLLEGE PREP U.S. HISTORY 1****Course No: 2011****Credit: 1****Gr. 9**

Social, political, geographical, economic, and cultural history is interwoven in this comprehensive survey of the United States from the Presidency of George Washington through Reconstruction. Extensive reading, writing, and research are required. This course is designed for students interested in pursuing a college degree or other post-secondary studies. **(Level 1 Weighting)**

U.S. HISTORY 1**Course No: 2012****Credit: 1****Gr. 9**

In scope, this course covers the 19th century with an emphasis on the history of technology. There is some chronology involved (Age of Jackson, Manifest Destiny, Civil War), but the focus of the approach features "hands-on" topical studies: transportation, multiculturalism, technology. Basic reading, writing, and research are required. This course is designed for students pursuing a career immediately after high school or a 2-year college degree. **(Level 1 Weighting)**

HONORS U.S. HISTORY 2**Course No: 2012H****Credit: 1****Gr. 10-12**

This course traces and analyzes the central developments in U.S. History from Reconstruction to the present. This period in U.S. History is characterized by dramatic and sweeping political, economic, social, and cultural change, as well as expanding global engagement. Students will probe themes such as the definition of citizenship and the expanding role of government in citizens' lives, development of an industrial economy, global interventions such as the U.S. role as a Cold War superpower, response to economic collapse and war, migration, and immigration, ethnic identity, race relations, gender roles, and labor rights. Also, examine how various groups of Americans have challenged the status quo in a determined expectation that the United States should live up to the promise of its founding ideals of equality and freedom. The course will familiarize students with the academic discipline of history, including methodologies and practices. Students will interpret primary and secondary sources, learn to read and construct historiographical arguments, and hone analytical and evidenced based writing skills. Depending on instructor availability, students may be able to take this course as a CHS (College in the High School) course through the University of Pittsburgh. With this option, students pay tuition to the University of Pittsburgh and may earn three (3) college credits. **(Honors: Level 2 Weighting, CHS: Level 3 Weighting)**

COLLEGE PREP U.S. HISTORY 2**Course No: 2021****Credit: 1****Gr. 10**

Social, political, geographical, economic, and cultural history is interwoven in this comprehensive survey of the United States from the Progressive Era to the present. The approach is chronological, and the perspective is global. Extensive reading, writing, and research are required. This course is designed for students interested in pursuing a college degree or other post-secondary studies. **(Level 1 Weighting)**

U.S. HISTORY 2**Course No: 2022****Credit: 1****Gr. 10**

Social, political, geographical, economic, and cultural history is interwoven in this comprehensive survey of the United States from the Progressive Era to the present. Basic reading, writing, and research are required. This course is designed for students pursuing a career immediately after high school or a 2-year college degree. **(Level 1 Weighting)**

DUAL E-WESTERN CIVILIZATION 2**Course No: D4CV0101****Credit: 1****Gr. 11-12**

This course is a survey of the growth of civilization in Western and Eastern Europe after the Reformation to the present. This course satisfies the World History requirement. Extensive reading, writing, and research are required. This course is designed for students interested in pursuing a four-year college degree and can be taken. Students who achieve a C or better for the course will earn three (3) credits from the University of Pittsburgh. **(Level 3 Weighting)**

HONORS WORLD HISTORY**Course No: 2031H****Credit: 1****Gr. 11**

This course is a comparative survey of World History as related to the development of the modern world. This course centers on the following themes: the origins and expansion of the global economy and the varied types of barriers to that expansion, the rise of secular/scientific thinking and politics, the transformation of religion in the modern world, and the influence of technology. Students taking this course are required to do additional readings, writings, and projects beyond the college prep course curriculum. This course is designed for students interested in pursuing a college degree or other post-secondary studies. **(Level 2 Weighting)**

COLLEGE PREP WORLD HISTORY**Course No: 2031****Credit: 1****Gr. 11**

This course is a comparative survey of World History as related to the development of the modern world. This course centers on the following themes: the origins and expansion of the global economy and the varied types of barriers to that expansion, the rise of secular/scientific thinking and politics, the transformation of religion in the modern world, and the influence of technology. Essential reading, writing, and research are required. This course is designed for students interested in pursuing a college degree or other post-secondary studies. **(Level 1 Weighting)**

COLLEGE PREP WORLD CULTURES**Course No: 2035****Credit: 1****Gr. 11**

In this course, students take an in-depth look at the world's major cultures by region. The study of each of these cultures focuses upon historical and present-day culture and geography. Students will develop the use of geographical concepts and skills to acquire information and systematically apply decision-making processes to real-life situations. This course is 100% project-based and satisfies the World History requirement. **(Level 1 Weighting)**

WORLD HISTORY**Course No: 2032****Credit: 1****Gr. 11**

This course is a comparative survey of World History as related to the development of the modern world. This course centers on the following themes: the origins and expansion of the global economy and the varied types of barriers to that expansion, the rise of secular/scientific thinking and politics, the transformation of religion in the modern world, and the influence of technology. Essential reading, writing, and research are required. This course is designed for students pursuing a career immediately after high school or a 2-year college degree. **(Level 1 Weighting)**

AP GOVERNMENT & POLITICS: U.S.**Course No: 2040APV****Credit: 1****Gr. 12**

The context of the course will include our Constitutional underpinnings, political beliefs and behaviors, political parties, interest groups, and the mass media; institutions of the national government, public policy; and civil rights and civil liberties. Students who elect this honors course should have the ability to study at an accelerated pace, a strong work ethic, and an ability to study independently. Extensive reading, writing, and research are required. This course is designed for students interested in pursuing a college degree or other post-secondary studies. **(Level 3 Weighting)**

COLLEGE PREP U.S. GOVERNMENT & ECONOMICS**Course No: 2041****Credit: 1****Gr. 12**

This is a political science course designed for students to learn the political ideals of democracy and the realities of U.S. political processes. This includes theories of government, a detailed discussion of the United States Constitution, political parties, the role of the Supreme Court, and civic engagement. Students are also introduced to the fundamentals of economics and the workings of the U.S. economic system. Topics covered include a brief comparison of economics systems, the workings of supply and demand in the marketplace, money, banking, types of business, the factors of production, competition, and the role of government in the economy. Current events are an important part of the content. Extensive reading, writing, and research are required. This course is designed for students interested in pursuing a college degree or other post-secondary studies.

(Level 1 Weighting)**U.S. GOVERNMENT & ECONOMICS****Course No: 2042****Credit: 1****Gr. 12**

The course takes a behavioral approach to the study of government. It emphasizes case studies as a means of helping students understand how individuals can get involved in politics. Current events and local government are important parts of the approach. Basic reading, writing, and research are required. This course is designed for students pursuing a career immediately after high school or a 2-year college degree. **(Level 1 Weighting)**

SOCIAL STUDIES ELECTIVES

The following courses are social studies electives. These courses do not fulfill the four (4) credits of social studies classes required for graduation: U.S. History 1 & 2, World History, and U.S. Government & Economics. These courses are counted as elective credits required for graduation. The symbol "\$" adjacent to a course title indicates a class with a lab fee. Students in the Free and Reduced Lunch program at CVHS are eligible for Free and Reduced general lab fees.

INTERNATIONAL STUDIES**Course No: 2225****Credit: .5****Gr. 9-12**

To promote student awareness of current international problems, tensions, and conflicts. Opportunities are provided to examine US foreign policy interests and issues and current world hot spots. **(Level 1 Weighting)**

VIETNAM WAR**Course No: 2232****Credit: .5****Gr. 11-12**

The Vietnam War was the most divisive war in American History. This course will offer students an opportunity to study the American military involvement in Southeast Asia. The chronology of the course will begin in the immediate post World War 2 period and conclude with our current relationship with Vietnam. The course will examine many different aspects to the war including military action, the impact on domestic politics, and coverage of the war by the media and the continued influence that the war has had on American culture. **(Level 1 Weighting)**

SOCIOLOGY**Course No: 2332****Credit: .5****Gr. 11-12**

Introductory sociology examines the way people interact with one another. It involves relationships within groups, relationships in social institutions and the organization of societies. The course provides students with an opportunity to relate classroom activities to the social world around them. **(Level 1 Weighting)**

PSYCHOLOGY**Course No: 2442****Credit: .5****Gr. 11-12**

Introductory psychology examines the behavior of the individual. Emphasis is placed on preparing students for an introductory psychology course in college, through the writing and analytical skills expected, and the topics discussed. Topics include psychological theory and history, (including Freud) intelligence, memory, learning, personality, and mental disorders. Students are expected to participate in class activities and discussions and to complete an analytical paper. This course is designed for students interested in pursuing a college degree or other post-secondary studies. **(Level 1 Weighting)**

AP PSYCHOLOGY**Course No: 244202AP****(Prerequisite: Psychology with a final grade of B- or higher or teacher recommendation)****Credits: 2****Gr. 12**

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. **(Level 3 Weighting)**

WORLD WAR 2**Course No: 2732****Credit: .5****Gr. 11-12**

The principal event of the Twentieth Century is examined in detail. The course will look not only at the basics (causes of the war, pre-war diplomacy, and military campaigns) but the important social developments of the Second World War both in Europe and here at home. Special emphasis will be placed on the beginnings of both the modern Civil Rights Movements and the birth of women's liberation as a result of the domestic demands of a wartime economy. The course will also examine the Holocaust in detail. The course will utilize a variety of instructional materials including military texts, movies, and other first-person accounts of the war. **(Level 1 Weighting)**

AFRICAN AMERICAN STUDIES**Course No: 2230005****Credit: .5****Gr. 11-12**

This course begins with exploring African heritage and the slave trade. The African Slave experience and resistance in America. Events leading up to the Civil War and emancipation. The bulk of this course will focus on events after the Civil War, starting with Reconstruction and the development of the African American identity as freedmen. The attempts to legally re-enslave the freedmen through legal means (Jim Crow laws). The development of the Civil Rights Movement. The course would end with the life of the contemporary. **(Level 1 Weighting)**

WORLD MYTHOLOGY AND FOLKLORE**Course No. 2231005****Credit: .5****Gr. 9-12**

This course provides an overview of mythology and its relationship to ancient cultures and cultures today. The course covers the purposes and types of myths; the development of myths and mythological characters; the common elements of mythological structures; the predominant characteristics of heroes in myth; the conflicts heroes encounter, and how ancient heroes relate to heroes today. Additionally, folk tales that convey elements of culture will be discussed and compared to American folk tales. This course has no prerequisites and is open to all grades at the high school. **(Level 1 Weighting)**

SCIENCE

Principles of Science and Biology are required classes taken in 9th and 10th grade. CV graduation standards require three (3) credits of science, although four (4) credits of science are recommended for students planning to attend a four-year college/university. The courses offered in the science department involve inquiry-based laboratory experiments designed to bring relevance and meaning to course content. The science department also strives to incorporate STEM (Science, Technology, Engineering and Mathematics) into the courses offered. Please take note of course prerequisites and when a specific science course is being offered in order to map out a science course of study.

Students planning to attend a college, university, or vocational-technical school to pursue a STEM-related field should take chemistry and physics to achieve four (4) credits of science. In addition, these students should consider scheduling other rigorous science electives such as AP courses and other department electives in order to craft an education based on a particular area(s) of interest.

Students pursuing non-STEM fields at a four-year college/university, should graduate CVHS with chemistry and/or physics. To prepare for the academic experience at a four-year college/university, the fourth CVHS science credit should come from one or more of the many rigorous science electives.

For students not attending a post-high school institution, the department has a variety of electives to meet a wide range of student needs and interests at CVHS.

The symbol “\$” adjacent to a course title indicates a class with a lab fee. Students in the Free and Reduced Lunch program at CVHS are eligible for Free and Reduced general lab fees.

Distinguished Honors Science Student: After course selection in 11th grade, a “Distinguished Honors Science Student” comment will be added to the transcript of students that have attained or requested courses in their Course Selection that would allow them to achieve the following criteria:

- Students must earn an A or B in all four core science classes (Principles of Science, Biology, Chemistry, and Physics). At least three of these science classes must be at the honors level.
- Students must earn an A or B in at least one Honors Scientific Research and Design course (3615H) which requires a successful presentation of a science fair project at the North Museum Science and Engineering Fair (NMSEF).

HONORS PRINCIPLES OF SCIENCE

Course No: 301501H

(Prerequisite: A in 8th Grade Science and Teacher Recommendation)

Credit: 1

Gr. 9

Honors Principles of Science is the first course offered in science for 9th grade students. This course concentrates on matter's behavior, energy and the states of matter, Newtonian Motion, and forces. Students who select this course should be prepared to complete a significant amount of independent work both in and outside of the classroom. Honors science is a demanding course with high academic expectations. This course is designed for students interested in pursuing a four-year college degree in STEM related fields. **(Level 2 Weighting)**

COLLEGE PREP PRINCIPLES OF SCIENCE

Course No: 301501

Credit: 1

Gr. 9

College prep Principles of Science is the first course offered in science for 9th grade students. This course concentrates on matter's behavior, energy and the states of matter, Newtonian Motion, and forces. Students who select this course should be prepared to complete independent work both in and outside of the classroom. This course is designed for students interested in pursuing a college degree or other post-secondary studies. **(Level 1 Weighting)**

PRINCIPLES OF SCIENCE

Course No. 301601

Credit: 1

Gr. 9

Principles of Science is the first course offered in science for 9th grade students. This course concentrates on matter's behavior, energy and the states of matter, Newtonian Motion, and forces. This course is designed for students pursuing a career immediately after high school or a 2-year college degree in fields other than science. **(Level 1 Weighting)**

HONORS BIOLOGY**Course No: 3021H****(Prerequisite: B or higher in Honors Principles of Science, or an A in College Prep Principles of Science and Teacher Recommendation; Rising 9th grade students need their 8th grade science teacher recommendation)****Credit: 1****Gr. 9-10**

This advanced Biology course is a more challenging and comprehensive alternative to the College Prep Biology curriculum with the goal of preparing students for both proficiency on the Keystone Biology Exam and a smooth transition into Advanced Placement Biology. Topics covered include Basic Biological Principles, Chemistry for Life, Bioenergetics, Homeostasis and Transport, Cell Growth and Reproduction, Genetics, Evolution, and Ecology. This required course has been developed in accordance with the Biology Keystone Assessment Anchors and Eligible Content. To graduate, students will be required to be proficient on the Biology Keystone Exam given as the final for the course. Students who select this course should be prepared to complete a significant amount of independent work both in and outside of the classroom. Honors science is a demanding course with high academic expectations. This course is designed for students interested in pursuing a four-year college degree in STEM-related fields. **(Level 2 Weighting)**

COLLEGE PREP BIOLOGY**Course No: 3021****(Prerequisite: Principles of Science Teacher Recommendation)****Gr. 9-10****Credit: 1**

College Prep Biology is offered as the second required course of scientific study and prepares students for successful completion of the Keystone Biology Exam. Basic Biological Principles, Chemistry for Life, Bioenergetics, Homeostasis and Transport, Cell Growth and Reproduction, Genetics, Evolution, and Ecology are the units incorporated into this lab-oriented course. This required course has been developed in accordance with the Biology Keystone Assessment Anchors and Eligible Content. To graduate, students will be required to be proficient on the Biology Keystone Exam given as the final for the course. This course is designed for students interested in pursuing a college degree or other post-secondary studies. **(Level 1 Weighting)**

BIOLOGY**Course No: 3022****(Prerequisite: Principles of Science Teacher Recommendation)****Gr. 9-10****Credit: 1**

Biology is a course developed in accordance with the Biology Keystone Assessment Anchors and Eligible Content. Basic Biological Principles, Chemistry for Life, Bioenergetics, Homeostasis and Transport, Cell Growth and Reproduction, Genetics, Evolution, and Ecology are incorporated into this lab-oriented course. Biology is offered as the second required science course for the general student and prepares these students for successful completion of the Keystone Biology Exam which will be administered as the final exam at the end of the course. To graduate from CVHS, students are required by the state to score proficient or distinguished on the Biology Keystone Exam. This course is designed for students pursuing a career immediately after high school or a 2-year college degree in fields other than science. **(Level 1 Weighting)**

SCIENCE ELECTIVES (ONE SEMESTER)**HONORS CHEMISTRY****Course No: 3031H****(Prerequisite: B or higher in Honors Biology, or an A in College Prep Biology and Teacher Recommendation)****Credit: 1****Gr. 10-12**

The Honors Chemistry course is a more comprehensive alternative to the college prep chemistry curriculum. Topics covered include chemical change, atomic and molecular structure, chemical bonding, the behavior of gases, chemical energy, and stoichiometry. Laboratory work is correlated with the classroom material to acquaint the student with basic laboratory procedures. Real-world applications are stressed, and inquiry-based activities are performed to develop observational skills and analytical thought processes. Students who select this course should be prepared to complete a significant amount of independent work both in and outside of the classroom. Honors science is a demanding course with high academic expectations. This course is designed for students interested in pursuing a four-year college degree in STEM fields. **(Level 2 Weighting)**

COLLEGE PREP CHEMISTRY**Course No: 3031****(Prerequisite: College Prep Algebra 1)****Credit: 1****Gr. 10-12**

This course includes studies of chemical change, atomic and molecular structure, chemical bonding, the behavior of gasses, chemical energy, and stoichiometry. Laboratory work is correlated with the classroom material to acquaint the student with basic laboratory procedures. Real-world applications are stressed, and inquiry-based activities are performed to develop observational skills and analytical thought processes. This course is designed for students interested in pursuing a college degree or other post-secondary studies. **(Level 1 Weighting)**

CHEMISTRY**Course No: 3032****Credit: 1****Gr. 11-12**

Students taking this course will study chemistry in the context of work, home, society, and the environment. Topics include the chemistry of food, water, metals, crystals, and petroleum products. Practical applications, mathematical proportions, and authentic chemistry will be stressed. This course is designed for students pursuing a career immediately after high school or a 2-year college degree in fields other than science. **(Level 1 Weighting)**

HONORS PHYSICS (FIRST SEMESTER ONLY)**Course No: 3431H**

(Prerequisite: Algebra 2, B or higher in Honors Chemistry or Honors Biology, or an A in College Prep Chemistry or College Prep Biology and Teacher Recommendation)

Credit: 1**Gr. 11-12**

Honors Physics is a more comprehensive alternative to the traditional Physics curriculum. This course provides a logical presentation of classical mechanics concepts: kinematics, forces and motion, work, energy, power, rotational motion, momentum, gravitation, and simple harmonic motion. Trigonometry, algebra, and graphical analysis are applied to these concepts to interpret and analyze real-world situations. Laboratory work is a key aspect of this course as all topics are introduced through the use of a paradigm lab experience, student discourse, and critical thinking (not lecture). Students who select this course should be prepared to complete a significant amount of independent work both in and outside of the classroom. Honors science is a demanding course with high academic expectations. This course is designed for students interested in pursuing a four-year college degree in STEM-related fields as well as students who must take college physics as part of their major.

(Level 2 Weighting)**COLLEGE PREP PHYSICS****Course No: 3431**

(Prerequisite: Algebra 2)

Credit: 1**Gr. 11-12**

College Prep Physics is offered for those students wishing to gain the necessary scientific background preparation for education beyond high school. This course provides a logical presentation of concepts in classical mechanics: kinematics, forces and motion, energy and momentum. Algebra and graphical analysis are applied to these concepts to interpret and analyze the real world. Laboratory work is a key aspect of this course as all topics are introduced using a paradigm lab experience, student discourse, and critical thinking (not lecture). The course will cover the following topics: Kinematics, Forces, Newton's Laws, Work, Energy, Power, Circular Motion, and Momentum. This course is designed for students interested in pursuing a four-year college degree in a non-STEM-related field and earning vocational training. **(Level 1 Weighting)**

PHYSICS**Course No: 345001****Credit: 1****Gr. 11-12**

Physics is offered for those students wishing to gain a conceptual understanding of how forces, fluids, heat, and electricity affect our everyday lives. This course provides a logical presentation of motion, forces, energy, momentum, fluid mechanics, and electricity. Laboratory work is a key aspect of this course to introduce these concepts using a lab experience, student discourse, and critical thinking (not lecture). This course focuses on the practical application of physics to real-world applications. It is not a preparatory course for college physics. **(Level 1 Weighting)**

HONORS SCIENTIFIC RESEARCH (FIRST SEMESTER ONLY)**Course No. 3610H**

(Prerequisite: Science Teacher Recommendation)

Credit: 1**Gr. 9 -12**

Using the scientific method, participants in this course will identify a researchable topic and pursue a scientific examination of this issue. The class meets one block per day in the fall semester for instruction and to assist students with their scientific research, analysis, and presentation preparation for the completion of a Science Fair project. Students are required to compete in the local CVSD Science Fair before the end of the first semester. **(Level 2 Weighting)**

Course No. 3615H: After participation in the CVSD STEM Expo at the end of the first semester, qualifying students will be invited to independently continue with their research in preparation for the North Museum Science and Engineering Fair (NMSEF) in the spring. This is an independent study course completed in addition to the student's five-block schedule. Course 3615H is a .5 credit honors independent research class providing potential academic credit for students completing independent research science fair projects with the goal of presenting at the NMSEF. **(Level 2 Weighting)**

COLLEGE PREP ECOLOGY (SECOND SEMESTER ONLY) (\$)**Course No: 3221****(Prerequisite: Successful completion of Biology)****Gr.10-12****Credit: 1**

The goal of the ecology course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships in the natural world through directed fieldwork and research. Students will investigate how the non-living things in the environment influence the plants and animals that can be found in those areas. Through fieldwork and studying geographic information system (GIS) data, students will also identify and analyze environmental problems that are both natural and human made. Students will learn to evaluate the relative risks associated with these problems and to offer a spectrum of solutions for resolving and/or preventing these problems. To cover the cost of consumable lab materials and field transportation a lab fee of \$20 is required for this course. **(Level 1 Weighting)**

COLLEGE PREP FRESHWATER/ENVIRONMENTAL BIOLOGY (\$)**Course No: 3132****(Prerequisite: Successful completion of Biology)****Gr. 10-12****Credit: 1**

Students will monitor the flow of the Stauffer Run (a local stream by the high school), and collect data on both the chemical and biological factors that travel to the final destination of the Chesapeake Bay. Using the technology of the spectrophotometer, students will be able to determine the health of the stream and what chemical components are being sent to the bay. Data will be sent to a variety of collection banks and the students will also create a presentation on the benthic critters that they observe in their weekly fieldwork. The student will have an understanding of their agricultural area and how it affects the bay. Studying freshwater ecosystems will afford the students the needed knowledge for them to be part of protecting the bay and making them environmentally proactive. To balance the land and water connection, the students will complete a waste management/recycling unit and create a stormwater management plan. To cover the cost of consumable lab materials and field transportation a lab fee of \$20 is required for this course. **(Level 1 Weighting)**

SCIENCE ELECTIVES (ONE MARKING PERIOD)**ASTRONOMY****Course No: 3410005****Credit: .5****Gr. 10-12**

This marking period course will focus on student interest in astronomical events. Base concepts in areas of near-Earth objects (i.e. asteroids, comets, etc.), exogeology (i.e. planetary geology, moons, exoplanet detector model, etc.), and deep space phenomenon (i.e. black holes, quasars, laser interferometer, neutron stars, etc.) will be explored. Students have the opportunity to select a variety of topics and develop a series of presentations showcasing their learning (and interest) in astronomical topics. **(Level 1 Weighting)**

ANATOMY & PHYSIOLOGY A (\$)**Course No: 3053****(Prerequisite: C or higher in Biology)****Credit: .5****Gr. 11-12**

This lab-based science course prepares students for post-graduation studies in a wide variety of health-science careers that require advanced study of the structure and function of the human body. Units of study include the blood and cardiovascular system, respiratory system, excretory system, and digestive system. This science course is designed for those students who may be pursuing careers in: all science fields, nursing, physical therapy, occupational therapy, sports medicine, health & physical education teacher certification, or medicine may have a particular interest in this course of study. To cover the cost of consumable lab materials a fee of \$15 is required for this course. **(Level 1 Weighting)**

ANATOMY & PHYSIOLOGY B (\$)**Course No: 3054****(Prerequisite: C or higher in Biology)****Credit: .5****Gr. 11-12**

This lab-based science course prepares students for post-graduation studies in a wide variety of health-science careers that require advanced study of the structure and function of the human body. Units of study include the skeletal system, muscular system, and nervous system. This science course is designed for those students who may be pursuing careers in: all science fields, nursing, physical therapy, occupational therapy, sports medicine, health & physical education teacher certification, or medicine may have a particular interest in this course of study. To cover the cost of consumable lab materials a fee of \$15 is required for this course. **(Level 1 Weighting)**

BIOTECHNOLOGY (\$)
(Prerequisite: B or higher in Biology)

Course No: 3800005

Credit: .5

Gr. 10-12

This course will focus on the skills and concepts commonly used in biotechnology. In this lab and project-based course, students will learn about DNA and protein analysis, genetic engineering, and plant genomics. The course provides a foundation for the lab techniques and skills needed in biotechnology majors and careers. Students who are interested in biology, genetics, medicine, GMOs, agriculture, and/or research will benefit from this course. There is a \$15 lab fee to cover the cost of lab consumables. **(Level 1 Weighting)**

CHEMISTRY IN THE KITCHEN (\$)

Course No: 3100005

Credit: .5

Gr. 10-12

Become a better cook by understanding the principles behind cooking. This course allows students to learn the chemistry behind cooking ingredients and processes. Students will also explore how new food products are launched and marketed, and design a new product, conduct marketing research, design packaging, and present their work to others. The course is designed to experiment with cooking ingredients and techniques, not to follow recipes. Students will be expected to do some cooking projects at home. There is a \$10 lab fee to cover the cost of lab consumables. **(Level 1 Weighting)**

FORENSICS SCIENCE (\$)

Course No: 3400005

Credit: .5

Gr. 10-12

This course explores techniques used by crime scene investigators and forensic scientists that have been made popular by current TV crime shows. Topics covered include fingerprinting, ballistics, DNA, blood, fiber, hair, and handwriting analysis. You will be asked to apply the scientific process to a number of types of evidence and criminal cases examined in this class. Some of the cases take place virtually and others use hard evidence that is worked on in the lab. The course also explores documentaries of famous criminals to further understand the criminal mind and how forensic techniques were used to solve the crimes. This class will give students a better understanding of how the field of forensic science operates on a daily basis. There is a \$15 lab fee to cover the cost of lab consumables. **(Level 1 Weighting)**

STEM WORKSHOP (\$)

Course No: 3620005

Credit: .5

Gr. 10-12

STEM (Science, Technology, Engineering, and Math) Workshop provides outstanding opportunities for students to experience project-based learning in an engaging, rigorous environment with content that exposes students to emerging professions that offer excellent career opportunities. This course provides learning modules so that students can collaboratively work on topics such as Engineering, 3-D Design and Printing, Digital Image Processing, and Robotics, but these topics will be flexible to accommodate developments in technology and emerging fields. As a prerequisite, students need to pass Algebra 1 prior to taking this class. There is a \$15 lab fee to cover the cost of lab consumables. **(Level 1 Weighting)**

ADVANCED PLACEMENT SCIENCE ELECTIVES

AP BIOLOGY (FULL YEAR COURSE) (\$)

Course No. 3029AP

(Prerequisite: A in Biology and Teacher Recommendation)

Gr. 10-12

Credits: 2

AP biology is designed for students who are interested in expanding their knowledge of biology. Topics include biochemistry, cells, bioenergetics, molecular genetics, classical genetics, evolution, and ecology. There is a strong emphasis on laboratory work. Students are strongly encouraged to take the AP test in May. Students who earn a 3 or higher out of 5 on the AP Biology exam may be exempt from up to two introductory college biology courses. To cover the cost of consumable lab materials a fee of \$40 is required for this course. **(Level 3 Weighting)**

AP CHEMISTRY (FULL YEAR COURSE) (\$)

Course No: 3340AP

(Prerequisite: A in Chemistry and Teacher Recommendation)

Gr. 11-12

Credits: 2

Advanced Placement Chemistry is designed for the interested and capable student who has completed chemistry and is interested in expanding his or her knowledge base of chemistry. More mathematical applications and abstract chemical concepts will be studied in this course. An emphasis is based on laboratory connections to content material. Students are strongly encouraged to take the AP test in May. To cover the cost of consumable lab materials a lab fee of \$40 is required for this course. **(Level 3 Weighting)**

AP ENVIRONMENTAL SCIENCE (ONE SEMESTER ONLY) (\$)
(Prerequisite: A in Biology and Teacher Recommendation)

Course No: 3230AP
Gr. 11-12

Credit: 1

AP Environmental Science (APES) is a course that focuses on understanding the interrelationships of the natural world and to identify and analyze environmental systems that are both natural and human made. Students will also prepare for the APES Exam through a focused study of exam eligible content. The course is structured to foster strength in reading and writing to address free response and case study questions on the APES Exam. Students will complete lab and field work through a number of trips to local field settings to focus their attention on developing the knowledge and skills necessary to be successful in data collection, processing, and analysis, as well as to facilitate the application of course concepts to the world around them. Students will also complete a number of small- and large-scale projects aimed at expanding student knowledge and giving students extensive opportunities to be creative problem solvers. To cover the cost of consumable lab materials and field transportation, a \$20 lab fee is required for this course. **(Level 3 Weighting)**

AP PHYSICS 1 - MECHANICS (CHS option through Harrisburg University) (SPRING SEMESTER) **Course No: 3430AP**
(Prerequisite: Honors Pre-Calculus and Honors Physics, or Teacher Recommendation) **Gr. 11-12**

Credit: 1

AP Physics 1 is intended for students who are entering STEM-related fields. This course provides a logical presentation of concepts and a broad range of applications to the real world. Calculus, trigonometry, geometry, and algebra will be applied to Physics concepts to analyze real-world situations. The course will cover the following topics: Kinematics, Forces and Motion, Rotational Motion, Work, Energy, Power, Momentum, Simple Harmonic Motion, Gravitation, Waves/Optics (time permitting). Students may choose to take the **AP Physics 1: Algebra-Based** exam **or** can obtain college credit through Harrisburg University. If choosing the Harrisburg University option, students are required to take a final exam provided by the university, which is not included in their overall course grade for CV, and pay course fees to Harrisburg University. Students who are enrolled in or who have finished AP Calculus BC have the option of completing additional coursework to prepare them for the **AP Physics C: Mechanics** exam. **(Level 3 Weighting)**

MATHEMATICS

Three (3) mathematics credits are required for graduation (Algebra 1, Algebra 2, and Geometry). College-bound students are encouraged to take advanced math courses through their senior year.

Students will use a calculator to save time when lengthy calculations are unavoidable, to check solutions to problems, or as a tool to learn or enhance mathematical concepts. Students should have access to a graphing calculator. The recommended calculator is the TI-84 Plus Graphing Calculator.

COLLEGE PREP ALGEBRA 1
(Prerequisite: Teacher recommendation)

Course No: 4011

Credit: 1

Gr. 9-10

College Prep Algebra 1 is the first course offered in the College Prep pathway. Content includes but is not limited to the real number system, equations and inequalities, linear equations and inequalities, systems of linear equations and inequalities, exponents and polynomials, factoring and applications, and data analysis. This course has been developed in accordance with the Algebra 1 Keystone Assessment Anchors and Eligible Content. To graduate, students are required to be proficient on the Algebra 1 Keystone Exam given as the final for the course. This course is designed for students interested in pursuing a college degree or other post-secondary studies. **(Level 1 Weighting)**

ALGEBRA 1A
(Prerequisite: Teacher recommendation)

Course No: 4012A

Credit: 1

Gr. 9

Algebra 1A is the first course in a two-course sequence to fulfill the Algebra 1 requirement, taken in the first term. Students in this course also enrolled in Algebra 1B in the second term of the same school year. Content includes the real number system, equations and inequalities, linear equations and inequalities, and systems of linear equations and inequalities. This course has been developed in accordance with the Algebra 1 Keystone Assessment Anchors and Eligible Content. **(Level 1 Weighting)**

ALGEBRA 1B

(Prerequisite: Algebra 1A or equivalent)

Course No: 4012B

Credit: 1

Gr. 9

Algebra 1B is the second course in a 2-course sequence to fulfill the Algebra 1 requirement, to be taken in the spring after completion of Algebra 1A. Content includes exponents and polynomials, factoring and applications, and data analysis. This course has been developed in accordance with the Algebra 1 Keystone Assessment Anchors and Eligible Content. To graduate, students are required to be proficient on the Algebra 1 Keystone Exam given as the final for the course. **(Level 1 Weighting)**

MATH PLUS

(Prerequisite: Algebra 1, Algebra 1B or College Prep Algebra 1)

Course No: 4515

Credit: 1

Gr. 10-11

This course is designed to Improve students' skills In Algebra. Content includes the real number system, equations and inequalities, linear equations and inequalities, systems of linear equations and inequalities, exponents and polynomials, factoring and applications, and data analysis. This course has been developed in accordance with the Algebra 1 Keystone Assessment Anchors and Eligible Content. Students will take the Algebra 1 Keystone Exam at the end of the semester they are enrolled in the course. **(Level 1 Weighting)**

HONORS GEOMETRY

(Prerequisite: A or B in Algebra 1 and teacher recommendation)

Course No: 4010H

Credit: 1

Gr. 9-10

Honors Geometry is the first course in the Honors pathway. Content includes but is not limited to traditional geometric topics, triangle trigonometry, and proofs taught through a formal, algebra-intensive approach at a fast pace. This course is designed for students interested in pursuing a college degree or other post-secondary studies. **(Level 2 Weighting)**

COLLEGE PREP GEOMETRY

(Prerequisite: College Prep Algebra 1 and teacher recommendation)

Course No: 4021

Credit: 1

Gr. 9-11

College Prep Geometry is the second course in the College Prep pathway. Content includes geometric topics, triangle trigonometry, probability, and proofs taught using a formal and algebra-intensive approach. This course is designed for students interested in pursuing a college degree or other post-secondary studies. **(Level 1 Weighting)**

GEOMETRY

(Prerequisite: Algebra 1)

Course No: 4022

Credit: 1

Gr. 10-11

Geometry is the second course in the General pathway. Content includes traditional geometric topics and triangle trigonometry with an emphasis on practical applications. The course will also help students strengthen their algebra skills. This course is designed for students pursuing a career immediately after high school or a 2-year college degree. **(Level 1 Weighting)**

HONORS ALGEBRA 2

(Prerequisite: A or B in Algebra 1 and teacher recommendation)

Course No: 4020H

Credit: 1

Gr. 9-10

Honors Algebra 2 is the second course in the Honors pathway. Content includes but is not limited to quadratic equations and functions, advanced factoring, transformations of parent functions, polynomial functions, radical functions, rational functions, and an introduction to logarithms. The course is taught through a formal and intense approach at a fast pace. This course is designed for students interested in pursuing a college degree or other post-secondary studies. **(Level 2 Weighting)**

COLLEGE PREP ALGEBRA 2

(Prerequisite: College Prep Algebra 1 and teacher recommendation)

Course No: 4031

Credit: 1

Gr. 9-11

College Prep Algebra 2 is the third course in the College Prep pathway. Content includes but is not limited to quadratic equations and functions, polynomial functions and advanced factoring, radical functions, and an introduction to logarithms. This course is designed for students interested in pursuing a college degree or other post-secondary studies. **(Level 1 Weighting)**

ALGEBRA 2**Course No: 4032****(Prerequisite: Algebra 1, Algebra 1B or College Prep Algebra 1)****Credit: 1****Gr. 10-11**

Algebra 2 is the third course in the General pathway. Topics will be presented at a pace that allows time for students to strengthen their algebra skills. Content includes but is not limited to extensions of the algebra 1 strands, quadratic functions, and polynomials. This course is designed for students pursuing a career immediately after high school or a 2-year college degree.

(Level 1 Weighting)**ALGEBRA 3****Course No: 4042****(Prerequisite: Algebra 2 and teacher recommendation)****Credit: 1****Gr. 11-12**

Algebra 3 is intended for students who are not yet ready for College Prep Pre-Calculus. Content includes but is not limited to, extensions of the Algebra 2 strands, graphing and transforming functions, exponentials, logarithms, and trigonometry. This course is designed for students interested in pursuing a college degree or other post-secondary studies. **(Level 1 Weighting)**

HONORS PRE-CALCULUS**Course No: 4030H****(Prerequisite: A or B in Honors Algebra 2 and teacher recommendation)****Gr. 11-12****Credit: 1**

Honors Pre-Calculus is the third course in the Honors pathway. Introductory calculus theory is introduced in this course. Topics include conic sections, exponential and logarithmic functions, sequence and series, trigonometry, and limits. This course is designed for students interested in pursuing a college degree or other post-secondary studies. **(Level 2 Weighting)**

COLLEGE PREP PRE-CALCULUS**Course No: 4041****(Prerequisite: A or B in College Prep Algebra 2 and teacher recommendation)****Gr. 11-12****Credit: 1**

This course prepares students for calculus. Topics include functions and transformations, conic sections, exponential and logarithmic functions, sequence and series, trigonometry, and limits. This course is designed for students interested in pursuing a college degree or other post-secondary studies. **(Level 1 Weighting)**

HONORS CALCULUS 1**Course No: 4060H****(Prerequisite: A or B in College Prep or Honors Pre-Calculus and teacher recommendation)****Gr. 11-12****Credit: 1**

Honors Calculus 1 covers many of the topics taught in a first-year college Calculus course including limits, differentiation, and integration. This course is designed for students interested in pursuing a college degree or other post-secondary studies. This course also serves as a prerequisite for AP Calculus AB for students interested in taking the AP Calculus AB exam. **Students interested in taking AP Calculus AB must enroll in Honors Calculus 1 and AP Calculus AB in the same school year.**

(Level 2 Weighting)**AP CALCULUS AB****Course No: 4040AP****(Prerequisite: Honors Calculus and teacher recommendation) (SECOND SEMESTER ONLY)****Gr. 11-12****Credit: 1**

This course prepares students to take the AP Calculus AB exam and expands on topics introduced in Honors Calculus 1. Successful completion of the AP Calculus AB exam gives students 4 credits in Calculus at most colleges and universities. **Students enrolling in this course must also enroll in Honors Calculus 1 in the same school year. (Level 3 Weighting)**

AP CALCULUS BC**Course No: 4050AP****(Prerequisite: A or B in College Prep or Honors Pre-Calculus and teacher recommendation)****Gr. 11-12****Credits: 2**

This year-long, 2-credit course prepares students to take the AP Calculus BC exam. Successful completion of the AP Calculus BC exam gives students 8 credits in Calculus at most colleges and universities. Topics covered in the course include limits, differentiation, integration, series, and application problems. **(Level 3 Weighting)**

COLLEGE PREP STATISTICS

(Prerequisite: Algebra 2)

Course No: 4840

Credit: 1

Gr. 11-12

This course helps prepare students for careers in math, science, health careers, business, social sciences, and education. Content includes measures of central tendency and dispersion, hypothesis testing, probability distributions, and correlation & regression. This course is designed for students interested in pursuing a college degree or other post-secondary studies.

(Level 1 Weighting)

HONORS STATISTICS

(Prerequisite: Honors or College Prep Algebra 2 and teacher recommendation)

Course No: 4840H

Credit: 1

Gr. 11-12

This course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling, and experimentation, anticipating patterns, and statistical inference. This course is designed for students interested in pursuing a college degree or other post-secondary studies. This course also serves as a prerequisite for AP Statistics for students who want to take the AP Statistics exam.

Students interested in taking AP Statistics must enroll in Honors Statistics and AP Statistics in the same school year.

(Level 2 Weighting)

AP STATISTICS

(Prerequisite: Honors Statistics and teacher recommendation) (SECOND SEMESTER ONLY)

Course No: 4840AP

Credit: 1

Gr. 11-12

This course prepares students to take the AP Statistics exam and expands on topics introduced in Honors Statistics. Successful completion of the AP Statistics exam gives students 3 credits at many colleges and universities. **Students enrolling in this course must also enroll in Honors Statistics in the same school year. (Level 3 Weighting)**

COMPUTER SCIENCE ELECTIVES

EXPLORATIONS IN COMPUTER SCIENCE

Course No: 420001

Credit: .5

Gr. 9-12

This one marking period course will introduce the student to the process of writing algorithms and pseudocode along with developing flow charts in preparation to write code for a project of their choice in the language of their choice. After an introduction to problem deconstruction and pre-writing skills, students will explore the language of their choice using a variety of sources and code a program using the basic functions of sequence, selection, and iteration(repetition). Students will also develop procedures that can be reused in their programs. **(Level 1 Weighting)**

COMPUTER SCIENCE PRINCIPLES 1

Course No: 421001

Credit: 1

Gr. 9-12

This course provides a broad and rigorous introduction to computer science, including problem-solving, working with data, understanding the Internet, cybersecurity, and programming. Students will learn how to program in Scratch and Process while learning about the principles of computing. This course is based on the College Board's Computer Science Principles curriculum framework for introductory computer science. **This course is a prerequisite for AP Computer Science Principles.**

(Level 1 Weighting)

AP COMPUTER SCIENCE PRINCIPLES

(Prerequisite: Computer Science Principles 1)

Course No: 4210AP

Credit: 1

Gr. 9-12

Advanced Placement Computer Science Principles (AP CSP) is a course that explores the fundamentals of computing, including problem-solving, working with data, understanding the Internet, cybersecurity, and programming. It is a course that is designed to broaden the understanding of computer science for all students, no matter their previous background, current interests, or intended college and career tracks. Students signing up for this course must also sign up for **Computer Science Principles 1.**

(Level 3 Weighting)

COMPUTER SCIENCE 1**(Prerequisite: Computer Science Principles 1 or Fundamentals of Python)****Course No: 4222****Credit: 1****Gr. 10-12**

This course is designed for students who are successful in mathematics and have a strong interest in programming. The history of computing along with structured programming will be stressed throughout the course. This is a prerequisite for AP COMPUTER SCIENCE (4330AP) and covers the first portion of the JAVA language. **(Level 2 Weighting)**

AP COMPUTER SCIENCE A**(Prerequisite: Computer Science 1)****Course No: 4330AP****Credit: 1****Gr. 10-12**

This course is designed to prepare students for the AP exam in Computer Science. The JAVA computer language will be used to teach the fundamental concepts of computer science including data structures and computer graphics. Students signing up for this course must also sign up for **Computer Science 1**. **(Level 3 Weighting)**

COMPUTER SCIENCE 3**Course No: 4400H****(Prerequisite: AP Computer Science or Fundamentals of Python, or Teacher Recommendation)****Credit: 2****Gr. 11-12**

This is a full year honors-level course in programming and computer science. CS3 prepares students for college studies in computer science and related disciplines. This course re-examines earlier topics (functions, conditionals, loops, strings, lists, and more) in greater detail and increased rigor. The course also covers intermediate data structures (sets, dictionaries), recursion, object-oriented programming, exceptions, cloud computing, top-down design, and other college level topics. The course concludes with the submission of a significant creative project. **(Level 2 Weighting)**

FUNDAMENTALS OF PYTHON**Course No: 435001****Credit: 1****Gr. 10-12**

This course is designed to introduce the students to the Python language. Students will continue developing their knowledge of programming basics using data types, control structures, algorithm development, and program design with functions. They will continue to develop their understanding of Object-Oriented Programming (OOP) that is used to develop large software systems. Students will continue work with Data and Information Processing including strings, arrays, files, lists, and dictionaries. Students will apply the Software Development Life Cycle and Contemporary Applications of Computing in the Python language.

(Level 1 Weighting)**NETWORKING FUNDAMENTALS 1****Course No: 4422****(Prerequisite: Computer Maintenance 1)****Credit: .5****Gr. 9-12**

This is an intense course with classroom and laboratory experience in current and emerging networking technology that will provide the opportunity to enter employment and/or further education and training in the computer networking field. Instruction includes: safety, networking & terminology, subnetting, cable testing, tools, standards and protocols, and OSI models.

(Level 1 Weighting)**COMPUTER MAINTENANCE 1****Course No: 4632****Credit: .5****Gr. 9-12**

This course provides students with manipulative skills as they perform a series of real life maintenance and upgrading exercises on a PC. Topics include: Computer hazards and safety, operation of computer components, Windows operating system, and peripheral devices. **(Level 1 Weighting)**

COMPUTER MAINTENANCE 2**Course No: 4732****(Prerequisite: Computer Maintenance 1)****Credit: .5****Gr. 9-12**

By taking this class, you will be a member of the highly-respected CV Tech Team. Training and hands-on involvement will be the foundation of the required daily work. This course provides students with an in depth exploration on troubleshooting software and hardware issues. It is designed to explore troubleshooting capabilities and provide extensive skills troubleshooting the technology issues experienced by the student body. Your participation on this team will gain you valuable on-the-job training and your involvement could lead to a career in technology. **(Level 1 Weighting)**

WORLD LANGUAGES

Some colleges and universities require multiple years of coursework in a world language. Other colleges and universities may not have this requirement. Students may study more than one World Language. Proficiency on state-mandated tests in reading is recommended.

LEVEL 1 WORLD LANGUAGE COURSES

GERMAN 1

Course No: 5211

Credit: 1

Gr. 9-12

This course teaches students the basic skills of listening, speaking, reading, and writing for the purpose of communication. Level 1 is the first step toward the acquisition of a basic vocabulary, an understanding of basic grammatical structures, the development of an accurate pronunciation, and an acquaintance with the people and their culture. Emphasis is on those materials, strategies, and activities that will enhance the student's ability to function in the language. Teachers will assess oral and written skills on a regular basis. The textbook Geni@I klick uses standards which train students for the Deutsch Zertifikat. Topics include German-speaking countries, school, animals, free time, shopping, and family. Students will also prepare a German meal in the classroom. **(Level 1 Weighting)**

SPANISH 1

Course No: 5011

Credit: 1

Gr. 9-12

This course will teach students the basic skills of listening, speaking, reading, and writing for the purpose of communication. Level 1 is the first step toward the acquisition of a basic vocabulary, an understanding of basic grammatical structures, the development of an accurate pronunciation, and an acquaintance with the people and their culture. Emphasis is on those materials, strategies, and activities that will enhance the student's ability to function in the language. Teachers will assess oral and written skills on a regular basis. **(Level 1 Weighting)**

LEVEL 2 WORLD LANGUAGE COURSES

FRENCH 2

(Prerequisite: Grade of 75% or higher in French 1)

Course No: 5121

Credit: 1

Gr. 9-12

Students in the second level of a language will continue practicing the communication functions introduced in Level 1. Students will have many opportunities to practice the language in the four important skill areas of listening, speaking, reading, and writing. The target language will be the primary language used in the classroom. Teachers will assess oral and written skills on a regular basis. **(Level 1 Weighting)**

GERMAN 2

Course No: 5221

(Prerequisite: Grade of 75% or higher in German 1)

Credit: 1

Gr. 9-12

Students in the second level of a language will continue practicing the communication functions introduced in Level 1. Students will have many opportunities to practice the language in the four important skill areas of listening, speaking, reading, and writing. The target language will be the primary language used in the classroom. Teachers will assess oral and written skills on a regular basis. The textbook Geni@I klick uses standards that train students for the Deutsch Zertifikat. Topics include celebrations, describing a city, travel, professions, Berlin, friendships, media, and shopping. Students will also learn about the cuisine of the German-speaking world and prepare a German/Swiss/Austrian meal in the classroom.

(Level 1 Weighting)

SPANISH 2

(Prerequisite: Grade of 75% or higher in HS Spanish 1, or 75% in 8th Grade Spanish)

Course No: 5021

Credit: 1

Gr. 9-12

Students in the second level of a language will continue practicing the communication functions introduced in Level 1. Students will have many opportunities to practice the language in the four important skill areas of listening, speaking, reading, and writing. Spanish will be the primary language used in the classroom. Teachers will assess oral and written skills on a regular basis. Students will be expected to communicate in Spanish. **(Level 1 Weighting)**

LEVEL 3 WORLD LANGUAGE COURSES

FRENCH 3

(Prerequisite: Grade of 75% or higher in French 2)

Course No: 5131

Credit: 1

Gr. 10-12

The third level of a language is designed so that students continue to develop proficiency in all four skill areas of the language. Students will continue to increase their vocabulary and practice grammatical structures. Additionally, students will explore the literature, history, geography, and culture of the target language. French students will be introduced to the French Revolution, and the Provence region of France will be highlighted. Emphasis is on those materials, strategies, and activities that will enhance the student's ability to function in all contexts within the language. Teachers will assess oral and written skills on a regular basis. **(Level 1 Weighting)**

GERMAN 3

(Prerequisite: Grade of 75% or higher in German 2)

Course No: 5231

Credit: 1

Gr. 10-12

The third level of a language is designed so that students continue to develop proficiency in all four skill areas of the language. Students will continue to increase their vocabulary and practice grammatical structures. Additionally, students will explore the literature, history, geography, and culture of the target language. The textbook *Geni@I klick* uses standards that train students for the Deutsch Zertifikat. Topics include living/housing, emotions, food preparation, reading a text, finances, film and cultural comparisons. German 3 students will research a German speaking city in preparation for the GAPP exchange to Karlsruhe, Germany. German 3 students will also read their first fairy tale and the book *Till Eulenspiegel*. Students will view a movie from the Shrek Trilogy as part of a unit on fairy tales. Students will also prepare a German/Austrian/Swiss meal in the classroom.

Students who are enrolled in German 3 or a higher level may apply for the GAPP exchange trip to Germany, which takes place every two years. (Level 1 Weighting)

SPANISH 3

(Prerequisite: Grade of 75% or higher in Spanish 2)

Course No: 5031

Credit: 1

Gr. 10-12

The third level of a language is designed so that students continue to develop proficiency in all four skill areas of the language. Students will continue to increase their vocabulary and practice grammatical structures. Additionally, students will explore the literature, history, geography, and culture of the target language. In Spanish, students may study fairytales and then create their own. Emphasis is on those materials, strategies, and activities that will enhance the student's ability to function in all contexts within the language. Spanish is the primary language used in the classroom. Teachers will assess oral and written skills on a regular basis. Students will be expected to communicate in Spanish. **(Level 1 Weighting)**

LEVEL 4 WORLD LANGUAGE COURSES

HONORS FRENCH 4

(Prerequisite: Teacher Recommendation)

Course No: 5141H

Credit: 1

Gr. 10-12

This course continues its emphasis on proficiency in the four skill areas of the language. Students will study additional literature, culture, history, and geography. In addition, French students will read *Le Fantôme de L'Opéra* and study famous people from the French Revolution. Appropriate materials, strategies, activities, and special projects will enhance the learning process. Teachers will assess oral and written skills on a regular basis. This may be offered online. **(Level 2 Weighting)**

HONORS GERMAN 4

(Prerequisite: Teacher Recommendation)

Course No: 5241H

Credit: 1

Gr. 10-12

German IV-V-VI – Students in German levels 4 through 6 will experience a rotating curriculum in which they will read selected works by Erich Kästner, Inge Scholl, Christa Wolf, and the Brothers Grimm. Students will learn about the history surrounding the works and improve their analysis and interpretation skills in German. The textbook *Aspekte* uses standards that train students for the Deutsch Zertifikat. Students will also prepare a Swiss/German meal in the classroom. Appropriate materials, strategies, activities, and special projects will enhance the learning process. Teachers will assess oral and written skills on a regular basis. Tutoring will be available for those wishing to take the German AP exam. **Students who are enrolled in German 3 or a higher level may apply for the GAPP exchange trip to Germany, which takes place every two years. (Level 2 Weighting)**

HONORS SPANISH 4

(Prerequisite: Teacher Recommendation)

Course No: 5041H

Credit: 1

Gr. 10-12

This course continues its emphasis on proficiency in the four skill areas of the language. Students will continue to increase their vocabulary and practice grammatical structures, as well as explore literature and culture. Students will read various genres, including poetry and short stories. Students will write essays in the target language. A study of the movie *Casi Casi* is also a focus. Appropriate materials, strategies, activities, and special projects will enhance the learning process. Spanish is the language used in the classroom. Teachers will assess oral and written skills on a regular basis. Students will be expected to communicate in Spanish. **(Level 2 Weighting)**

LEVEL 5 WORLD LANGUAGE COURSES

HONORS FRENCH 5

(Prerequisite: Teacher Recommendation)

Course No: 5151H

Credit: 1

Gr. 11-12

This course continues its emphasis on proficiency in the four skill areas of the language. Students will study additional literature, culture, history, and geography. French students will read *Les Misérables* and will participate in an in-depth study of the French Revolution as the historical context to *Les Misérables*. Student presentations are an essential part of this level. Appropriate materials, strategies, activities, and special projects will enhance the learning process. Teachers will assess oral and written skills on a regular basis. This may be offered online. **(Level 2 Weighting)**

HONORS GERMAN 5

(Prerequisite: Teacher Recommendation)

Course No: 5251H

Credit: 1

Gr. 11-12

This course continues its emphasis on proficiency in the four skill areas of the language. Students will study additional literature, culture, history, and geography. See German listing above. Student presentations are an essential part of this level. Appropriate materials, strategies, activities, and special projects will enhance the learning process. Teachers will assess oral and written skills on a regular basis. Tutoring will be available for those wishing to take the German AP exam. **Students who are enrolled in German 3 or a higher level may apply for the GAPP exchange trip to Germany, which takes place every two years. (Level 2 Weighting)**

HONORS SPANISH 5

(Prerequisite: Teacher Recommendation)

Course No: 5051H

Credit: 1

Gr. 11-12

This course continues its emphasis on proficiency in the four skill areas of the language. Students will study additional literature, culture, history, and geography. Spanish students will read various genres, including poetry, short stories, and novels, and students will write essays in the target language. Student presentations are an essential part of this level. Appropriate materials, strategies, activities, and special projects will enhance the learning process. Spanish is the primary language used in this class. Teachers will assess oral and written skills on a regular basis. Students will be expected to communicate only in Spanish. **(Level 2 Weighting)**

LEVEL 6 WORLD LANGUAGE COURSES

HONORS GERMAN 6

(Prerequisite: Teacher Recommendation)

Course No: 5261H

Credit: 1

Gr. 11-12

This course offers students the chance to improve their language proficiency as well as continue their language study as they prepare for further education and work. Tutoring will be available for those wishing to take the German AP exam. **(Level 2 Weighting)**

AP SPANISH LANGUAGE and CULTURE (Online)**(Prerequisite: Spanish 4 and a teacher recommendation)****Course No: 5061APV****Credit: 1 or 2****Grade 11 - 12**

The AP Spanish Language and Culture course is an advanced language course in which students are directly prepared for the AP Spanish Language and Culture test. It uses as its foundation the three modes of communication: interpersonal, interpretive, and presentational. The course is conducted almost exclusively in Spanish. The course is based on the six themes required by the College Board: (1) global challenges, (2) science and technology, (3) contemporary life, (4) personal and public identities, (5) families and communities, and (6) beauty and aesthetics. The course teaches language structures in context and focuses on the development of fluency to convey meaning. Students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices, and perspectives. Students should expect to listen to, read, and understand a wide variety of authentic Spanish-language materials and sources, demonstrate proficiency in interpersonal, interpretive, and presentational communication using Spanish, gain knowledge and understanding of the cultures of Spanish speaking areas of the world, use Spanish to connect with other disciplines and expand knowledge in a wide variety of contexts, develop insight into the nature of the Spanish language and its culture, and use Spanish to participate in communities at home and around the world. The AP® Spanish Language and Culture course is college-level and can be compared to that of a third-year college course. All students are expected to take the AP test in May. **(Level 3 Weighting)**

BUSINESS EDUCATION**ACCOUNTING 1****Course No: 6641****(Note: 9th grade students may take this course with successful completion of Algebra 1)****Credit: 1****Gr. 10-12**

Learn the LANGUAGE OF BUSINESS! Accounting is a “must” for any student planning to major in Business at college and/or enter the business world after high school. It is also beneficial for students striving to gain knowledge about personal financial money management. Accounting 1 is designed for the focused student who enjoys mathematics, money, and numbers. Emphasis is placed on how businesses organize their financial activities. The use of transactions and financial statements in service and merchandising business will be completed for a sole proprietorship and partnership. Students are expected to complete daily assignments using the computer and traditional accounting methods. Each assignment and concept builds upon prior knowledge. A simulation where students act as a company's accountant will conclude the course. **(Level 1 Weighting)**

ACCOUNTING 2**(Prerequisite: Accounting 1)****Course No: 6642****Credit: 1****Gr. 10-12**

Students apply concepts learned in Accounting 1 and begin the introduction to corporate accounting concepts.

(Level 1 Weighting)**ACCOUNTING 3****(Prerequisite: Accounting 2)****Course No: 6643****Credit: 1****Gr. 11-12**

Accounting 3 is designed for students wishing to make accounting a career. Students will study advanced accounting including corporate accounting, adjustment methods, management accounting tools, and an introduction to cost accounting.

(Level 1 Weighting)**DUAL E - PRINCIPLES OF FINANCIAL ACCOUNTING****Course No: D4CV6644****(Prerequisite: Algebra 1, Accounting 1 and 2, or teacher recommendation)****Credit: 1****Gr. 11-12**

Students are enrolled as HACC students and take the CHS course at a reduced tuition rate. Upon successful completion of course requirements, students will earn up to six (6) college credits through HACC that may be transferred to most Pennsylvania colleges/universities and some out-of-state schools, as well as one CV business credit. This course reviews commonly accepted accounting principles as they pertain to external financial reporting, financial statements and their components, the use of financial statement ratios to make decisions, accounting ethics and internal controls. Students will also be introduced to the accounting cycle and the process of converting transactions into accounting journal entries, and accounting principles governing inventory, long-term assets, liabilities and equity transactions. This course is especially valuable for students interested in the following career clusters: Business, Management & Administration; Finance; Government & Public Administration; Marketing; Science, Technology, Engineering & Math. **(Level 3 Weighting)**

BEGINNING COMPUTER KEYBOARDING**Course No: 6022****Credit: .5****Gr. 9-12**

The purpose of this course is to improve basic keyboarding skills used in computer operation. In addition to learning proper use of the keyboard, emphasis is placed on developing speed and accuracy. Students are also introduced to the formatting skills needed for memos, short reports, letters, and simple tables. Beginning keyboarding is for students who need an introductory-level keyboarding course. **(Level 1 Weighting)**

CAREER EDUCATION**Course No: 6112****Credit: .5****Gr. 9**

This course is required for all 9th grade students. Students' career journeys and career plans will be developed during this required class with the use of Xello and other research tools. Students will explore their planned success goals and connect with careers that match their interests, personalities, learning styles, work/life balance, and entrepreneurial skills. Financial relevance will be investigated as they create budgets around their selected careers and lifestyles. Students will have the opportunity to research post-secondary options including trade school, college, military, and workforce entry. Financial aid research involving FAFSA, scholarships, grants, and loans will prepare students for future opportunities. Students will create a resume, learn job application protocols, and practice job interviewing skills. The career plan will enable students to strategize their high school experience as it relates to selected future career goals. **(Level 1 Weighting)**

CAREER READY CV!**Course No: 6113****Credit: .5****Gr.11-12**

Students navigate their post-CVSD journey with this course that continues to build on the career awareness and exploration they learned in Career Ed with a focus on postsecondary planning targeted to the individual. This course will help students develop college and career readiness skills through the lens of the Profile of a CV Learner (Innovative Problem Solver, Communicator, Collaborator, Lifelong Learner, and Global Citizen). They will have the opportunity to build and revise college and workforce documentation (resumés, college, scholarship, and job applications, professional profiles, etc.), as well as engage in job shadowing and/or career mentoring experiences that are relevant to their individual career and workforce goals. Project-based learning will hone leadership and teamwork skills, while interactions with industry professionals will provide authentic feedback on career readiness and Profile of a CV Learner aptitude. **(Level 1 Weighting)**

CONSUMER LAW**Course No: 6842****Credit: 1****Gr. 10-12**

If you enjoy conversations revolving around current legal events, then sign up for Consumer Law! This discussion-based course is an introduction to consumer aspects of our legal system including crimes, torts, law enforcement, and the court system. The Internet and current Court TV cases will be used to explore legal topics. A study of everyday contracts that affect lifetime situations is included, as well as an examination of insurance. This course includes a trip to Lancaster County Court House to see an actual criminal trial. **(Level 1 Weighting)**

CONSUMER SKILLS**Course No: 6207****Credit: .5****Gr. 12**

This required class will provide comprehensive classroom experiences that allow students to develop the knowledge and skills needed to make informed choices regarding their consumer responsibilities. Consumer topics will include personal budgeting, credit use, investing, comparison shopping, insurance purchasing, and issues related to taxes and taxation. **(Level 1 Weighting)**

DIGITAL LITERACY 4 TODAY**Course No: 6012****Credit: .5****Gr. 10**

This required course incorporates the International Society for Technology In Education (ISTE) Standards for today's digital learners. Students will utilize the technology concepts and skills necessary to be a successful digital citizen through the use of communication and collaboration while utilizing research, problem-solving, and critical thinking skills with a creative and innovative approach. **(Level 1 Weighting)**

ENTREPRENEURSHIP**Course No: 6422****Credit: .5****Gr. 10-12**

Should you become an entrepreneur? Are you already an entrepreneur? What are the types of business ownerships? How do you develop a business plan? This course is designed to answer those questions and has the current and future business owner in mind. Learn what it takes to be an entrepreneur and pursue the dream of business ownership. Discover the stories of successful entrepreneurs and learn how some of your favorite companies started. A computer simulation will be used to study the following topics: market research, product placement, business location, price strategy, promotional methods, staffing, inventory control, merchandising, security and risk management, financing and business planning. If you are a student interested in learning what it takes to start, maintain and operate a business then this is the course for you! **(Level 1 Weighting)**

EVENT, SPORT & RECREATION MARKETING**Course No: 6232****Credit: .5****Gr. 9-12**

This course prepares students to apply marketing principles and strategies to simulated stadium events. Course content includes: logo creation, ticket sales, merchandise planning, event parking, event staffing, event concessions and has an overall focus on planning, promotion, and sponsorship. **(Level 1 Weighting)**

EXCEL FOR BUSINESS AND LIFE**Course No: 6024****Credit: .5****Gr. 9-12**

Prepare for the future by fine-tuning technology skills in Microsoft Excel. This course will prepare students for the Microsoft Excel certification exam, which could earn an industry-recognized credential. Adding a skill or a certification to a resume, like the Microsoft Excel certification, will increase marketability in the business world. This course is especially valuable for students interested in the following career clusters: Business, Management & Administration; Information Technology; Science, Technology, Engineering & Math. **(Level 1 Weighting)**

INDEPENDENT STUDY- BUSINESS**(Prerequisite: Teacher Recommendation)****Course No: 6999****Credit: .5****Gr. 11-12**

This course may be elected by those students who have taken all offered business computer tech courses and are still interested in pursuing the study of additional office skills or students who have completed Advanced Accounting as an 11th grader and wish to do advanced study in the field of accounting. This course offering may be taken for .5 or 1.0 credit. **(Level 1 Weighting)**

INTRODUCTION TO BUSINESS**Course No: 6222****Credit: .5****Gr. 9-12**

What image comes to mind when you hear the word business? Some people think of their jobs, others think of the merchants they patronize as consumers, and still others think of profit. Business drives the economic pulse of a nation. Whether you decide to start your own business, work for a small, family-run business, or sign on with a large international corporation, your achievements will depend on your ability to maintain the constant pace of change in today's world. This course builds the foundation and discusses the strategies that allow companies to compete in today's interactive marketplace. You will also learn skills that you will need to turn ideas into action for your own career success. **(Level 1 Weighting)**

INTRODUCTION TO INVESTING**Course No: 6613005****(Prerequisite: Completion of Algebra 1)****Credit: .5****Gr. 9-12**

Interested in learning how to make money in the stock market? This course will help you learn how to prepare both short and long-term investment strategies. You will learn about the different types of investment options and how to minimize risk related to your investment goals. We will discuss and learn about some of the online investment programs, how to create a diversified portfolio and what to consider when looking to invest. You also compete against your peers in a real-life stock market competition simulation. **(Level 1 Weighting)**

MARKETING AND MANAGEMENT

Course No: 6522

Credit: .5

Gr. 10-12

Enter the world of meeting customer satisfaction, managing business operations and testing your decision-making skills. With this course you will build your business knowledge as you delve into how marketing is used in the retail world and how to manage a business. The functions of marketing will be highlighted with emphasis on the multiple managerial aspects faced by businesses. A computerized simulation will allow you to expand your skills as you recruit, hire, fire, and manage employees and work with unions. You will also oversee product development, operational management, and insurance. Watching the company's finances and creating a profitable business while also meeting the needs of your customers is all part of the course. **(Level 1 Weighting)**

NOTETAKING

Course No: 6321

Credit: .5

Gr. 9-12

This course is designed to help you boost your grades, improve your study skills, and use technology to bring your organizational habits into the 21st century. Effective individualized reading techniques and personal note taking methods will be taught. Students will have hands-on experiences using a Smart Pen, speed reading, and speed writing to fine-tune their individual style of note-taking. Who said studying had to be boring? **(Level 1 Weighting)**

WEBSITE DESIGN & DEVELOPMENT

Course No: 6140

Credit: .5

Gr. 9-12

This course is an introduction to the design, creation, and maintenance of web pages and websites. Students learn how to critically evaluate website quality, learn how to create and maintain web pages, learn about web design standards and their importance--all while creating web pages that focus on ease of usability for the visitor. **(Level 1 Weighting)**

TECHNOLOGY EDUCATION

Conestoga Valley High School requires at least one technology education course to be taken as a condition for graduation. Any of the following courses satisfy the Technology Education graduation requirement. In technology education courses, students must follow accepted safety practices and are expected to exhibit skill and craftsmanship in their work. The symbol "\$" adjacent to a course title indicates a class with a lab fee. Students in the Free and Reduced Lunch program at CVHS are eligible for Free and Reduced lab fees.

Some level 2 and advanced technology education classes may be selected as either a 1 credit (semester) or 0.5 credit (marking period) class. Students may take level 2 or advanced technology education classes more than once in their career here at CVHS.

NOTICE: Many of the technology courses offered at CVHS employ advanced tools of the trade such as, but not limited to, band and table saws, jointers, belt sanders, lathes, nail guns, welding torches, plasma cutters, and many others. Prior to allowing students to operate equipment such as those mentioned above, technology education teachers train and assess all students in safety procedures. These include but are not limited to emergency procedures and first aid, use of safety equipment, power shut off, and proper operating instructions and protocols. Students must demonstrate appropriate and proper use of equipment under the direct supervision of the teacher and pass a safety test prior to being authorized to use technology equipment. Parents and students who have questions or concerns about the use of technology equipment within these classes should contact their students' school counselor. It is advised that students speak with their teachers or counselors to ensure they are selecting classes appropriate for their interests and age level.

CONTROL POWER TECHNOLOGY 1

Course No: 7022005

Credit: .5

Gr. 9-12

This course is designed to give students a basic knowledge of man's prime movers, the power and force behind all that is done including how they work, and the problems frequently involved. Students interested in mechanics or engineering will be introduced to power, its generation, control, and transfer. Students will understand how power is applied in today's ever-changing world. Units covered include fluid power, mechanical advantage, electrical power, controls and sensors, and small gas engines. **(Level 1 Weighting)**

ENGINEERING/APPLIED TECHNOLOGY 1 (\$)**Course No: 7032005****Credit: .5****Gr. 9-12**

Engineering Technology 1 is appropriate for students who are interested in design and engineering. The major focus of this course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. This course is activity, project, and problem-based learning at its best. Students will utilize 3D solid modeling design software to help design solutions and solve proposed problems. Students will develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges that increase in difficulty throughout the course. This course will satisfy the Technology Education graduation requirement. There is a lab fee of \$5 to cover the cost of materials used in the class. **(Level 1 Weighting)**

ENGINEERING/APPLIED TECHNOLOGY 2 (\$)**(Prerequisite: Grade of C or higher in Engineering/Applied Technology 1)****Course No: 7033005****Credit: .5****Gr. 10-12**

Engineering Technology 2 is an advanced class for students who are interested in continuing their study of engineering and design. The course will help develop design skills utilizing 3D solid modeling design software as well as working through problem-based engineering challenges. Students will also create prototypes of specified design challenges utilizing advanced 3D printing technology. Students will be required to maintain an engineering notebook throughout the duration of the course. There is a lab fee of \$10 to cover the cost of materials used in the class. **(Level 1 Weighting)**

ROBOTICS AND AUTOMATION**(Prerequisite: Grade of B or higher in Engineering or Electronics 1)****Course No: 7042005 or 704201****Credit: .5 or 1****Gr. 10-12**

The course exposes students to some of the major concepts they will encounter in the field of automated robotic systems. Students have an opportunity to investigate engineering and high-tech career fields. This course gives students the opportunity to develop skills and understanding of course concepts through activity-, project-, and problem-based learning. To be successful in this class, students should be concurrently enrolled in college preparatory mathematics and science. Students will employ engineering and scientific concepts in the solution of engineering design problems involving power systems and robotics. Students will develop problem-solving skills and apply their knowledge of research and design to create solutions to various real-world challenges. **(Level 2 Weighting)**

WOOD TECHNOLOGY 1 (\$)**Course No: 7101005****Credit: .5****Gr. 9-12**

This course is an introduction to machine woodworking with emphasis on the safe basic use of woodworking machines. Also included in the course is some basic wood technology, the process of squaring a board by machine, and basic woodworking techniques ranging from planning a project through the finishing process. The computer-controlled router (CNC) and Laser Engraver will be introduced. Students will make two required projects that incorporate the processes taught in the course. All students are required to use high power saws and industrial size equipment throughout this course. Students must follow accepted safety practices and are expected to exhibit skill and craftsmanship in their work. There are various safety test and quizzes throughout the course. Based on the nature of the projects chosen, students will be asked to pay appropriate lab fees. **(Level 1 Weighting)**

WOOD TECHNOLOGY 2 (\$)**(Prerequisite: Grade of C or higher in Wood 1 and/or Teacher Recommendation)****Course No: 7102005 or 710201****Credit: .5 or 1****Gr. 10-12**

This course is an extension of the Wood 1 course with a concentration on special methods of woodworking which includes door and drawer construction, compound sawing on the band saw, shaper use, dovetailing, and panel construction. Additional wood technology is also covered. Students are required to make a project that incorporates a door and a drawer and additional computer-controlled (CNC) router work. Students also have the option of creating an inlay feature with the CNC router. Students must follow accepted safety practices and are expected to exhibit skill and craftsmanship in their work. Based on the nature of the projects chosen, students will be asked to pay appropriate lab fees. **(Level 1 Weighting)**

ADVANCED WOOD TECHNOLOGY (\$)**(Prerequisite: Grade of C or higher in Wood 2 and Teacher Recommendation)****Course No: 7103005 or 710301****Credit: .5 or 1****Gr. 10-12**

This course provides the opportunity for students to work on a project of their own preference. Projects include, but are not limited to, beds, cabinets, tables, entertainment stands, etc. Some special techniques in woodworking will be presented through ideas and demonstrations including advanced procedures and lathe work. Also, students will be required to do additional CNC router programming and laser engraving. Students must follow accepted safety practices and are expected to exhibit skill and craftsmanship in their work. Based on the nature of the projects chosen, students will be asked to pay appropriate lab fees. Students must work on at least one project that makes full use of the term. **(Level 2 Weighting)**

FURNITURE MAKING TECHNOLOGY (\$)**(Prerequisite: Grade of B or higher in Wood 1 and Teacher Recommendation)****Course No. 7104005****Credit: .5****Gr. 10-12**

This course explores the techniques used by industry in producing furniture pieces. The class will plan for and make jigs and fixtures for, the production of a piece of furniture such as a desk, bed, chest, etc. The class will then mass-produce enough pieces for at least one for every class member. Students must remain involved in their assigned duties producing the piece previously described. Students must follow accepted safety practices and are expected to exhibit skill and craftsmanship in their work. Based on the nature of the projects chosen, students will be asked to pay appropriate lab fees.

(Level 2 Weighting)**BUILDING CONSTRUCTION****(Prerequisite: Grade of C or higher in Wood Technology 1)****Course No: 7105005****Credit: .5****Gr. 10-12**

This course is an introduction to the basic materials, tools, and methods used in the building and construction industry. Activities include working with household plumbing and wiring projects as well as constructing a small building such as a utility shed, playhouse, etc., and other experimental construction activities. Cost to the student will be limited to anything that is constructed for the student's personal use/ownership. Students must follow accepted safety practices, and are expected to exhibit skills and craftsmanship in their work. **(Level 1 Weighting)**

MATERIALS PROCESSING 1 (\$)**Course No: 7301005****Credit: 0.5****Gr. 9-12**

This course is designed to give the learner an overview of various materials and the processes by which to manipulate and transform them. Students will produce several projects from the processes discussed in the course. Materials used in the course will include but are not limited to; polymers, woods, and composites. Students will also perform a variety of operations using advanced technologies such as Laser Engraving and Cutting, 3D Printer and CNC fabricating. Students must follow accepted lab safety rules and exhibit skill and craftsmanship in their work. This course will satisfy the Technology Education graduation requirement. There is a lab fee of \$15 to cover the cost of materials used in the class. **(Level 1 Weighting)**

MATERIALS PROCESSING 2 (\$)**Course No: 7302005****(Prerequisite: Grade of C or higher in Materials Processing 1)****Credit: 0.5****Gr. 9-12**

This course is primarily a hands-on lab course that involves advanced processes and project work not achieved in Materials Processing 1 (Plastic Technology 1). Assignments will include project design, mold making, vector cut signs, LED displays, and multi-process projects. Materials used in the course include but are not limited to: polymers, woods, and composites. Students will use advanced procedures on the Laser Engraver, 3D Printer and CNC Fabricator. Students must follow accepted lab safety rules and exhibit skill and craftsmanship in their work. There is a lab fee of \$20 to cover the cost of materials used in the class. **(Level 1 Weighting)**

METAL/MANUFACTURING TECHNOLOGY 1 (\$)**Course No: 7401005****Credit: .5****Gr. 9-12**

This course includes modules pertaining to metal manufacturing. The modules cover the areas of design processes, quality assurance, robotics, and CNC (Computer Numeric Controlled) equipment. In addition, the students will be required to demonstrate an understanding of all traditional power equipment and tools used in metalworking. After completing the required projects, the students will have the opportunity to work on personal projects. Students must follow accepted safety practices and are expected to exhibit skill and craftsmanship in their work. There is a lab fee of between \$20 and \$25, to cover the cost of materials used in the class.

(Level 1 Weighting)**METAL/MANUFACTURING TECHNOLOGY 2 (\$)****(Prerequisite: Grade of C or higher in Metal/Manufacturing Technology 1)****Course No: 7402005****Credit: .5****Gr. 10-12**

This course is a review of areas covered in Metal/Manufacturing Tech 1 with the addition of advanced demonstrations and modules in the machine shop, precision measuring instruments, types of fasteners, and CNC machining. Upon completion of required work, the students will select projects to fit their individual interests. Students must follow accepted safety practices and are expected to exhibit skill and craftsmanship in their work. Based on the nature of the projects chosen, students will be asked to pay appropriate lab fees. **(Level 1 Weighting)**

ADVANCED METAL/MANUFACTURING TECHNOLOGY (\$)**(Prerequisite: Teacher Recommendation)****Course No: 7403005****Credit: .5****Gr. 10-12**

Students will select an area in which to specialize in the metal/manufacturing lab. The method of instruction will be through directed independent study. It will be required that the individual develop a more complex project or pursue metals technology through research, development, and experimentation. All areas may be explored. A unit on the CNC machining will be required. Students must follow accepted safety practices and are expected to exhibit skill and craftsmanship in their work. Based on the nature of the projects chosen, students will be asked to pay appropriate lab fees. **(Level 2 Weighting)**

GRAPHIC TECHNOLOGY 1 (\$)**Course No: 7501005****Credit: .5****Gr. 9-12**

This course is designed to introduce students to the diversity of the Graphics Industry. Students will gain exposure to the Adobe Creative Cloud with a concentration in Photoshop, Illustrator, and Photoshop and Illustrator. They will explore the principles behind effective designs and look to apply these strategies as they develop designs to personalize various substrates. Students will work with advanced technologies such as a UV Flatbed printer, an automated embroidery machine, a large format printer with integrated contour cutting and screen-printing equipment. Students must follow accepted safety practices and are expected to exhibit skill and craftsmanship as they produce products ranging from t-shirts to decals. There is a lab fee of \$20, to cover the cost of materials used in the class. **(Level 1 Weighting)**

GRAPHIC TECHNOLOGY 2 (\$)**(Prerequisite: Grade of C or higher in Graphic Technology 1)****Course No: 7502005 or 750201****Credit: .5 or 1****Gr. 10-12**

This course is an extension of Graphics Technology I. Students will work extensively with graphic manipulations utilizing the Adobe Creative Cloud. Students will be introduced to advanced techniques and practices in Adobe Photoshop to edit and create unique and original designs. Students will gain exposure to large format printing in which they will produce and print large format displays. They will utilize advanced printing techniques and the UV Flatbed printer to emboss or apply textures to various three-dimensional objects such as cell phone cases. They will also create and digitize graphic files to be embroidered on substrates such as hats and produce a multicolor screen-print on a substrate of their choice. Students must follow accepted safety practices and are expected to exhibit skill and craftsmanship in their work. There is a lab fee of \$20, to cover the cost of materials used in the class. **(Level 1 Weighting)**

ADVANCED GRAPHIC TECHNOLOGY (\$)**(Prerequisite: Grade of C or higher in Graphic Technology 2)****Course No: 7504005 or 750401****Credit: .5 or 1****Gr. 10-12**

A course designed for students who desire to pursue advanced technologies and techniques in Graphics. Students will continue to develop their digital literacy and ability to design utilizing the Adobe Creative Cloud. Advanced Graphics students will extensively explore Illustrator and vector-based formats. They will develop advanced techniques in large format printing to create a vinyl wall decal, use integrated contour cutting to create full-color thermal transfers as well as spot color transfers that will be applied to textiles. They will explore printing on contoured substrates with UV flatbed printing and the automation of screen printing with an automated textile press. Students must follow accepted safety practices and are expected to exhibit skill and craftsmanship in their work. The lab fee associated with the course will be related to the cost of materials that are used in the class to fulfill their project requirements. **(Level 2 Weighting)**

PHOTOGRAPHY TECHNOLOGY 1 (\$)**Course No: 7505005****Credit: .5****Gr. 9-12**

Photography Technology is a survey course in photography, that includes experiences using a DSLR camera. Students will study manual and automatic exposure, composition techniques, printing, cropping, and the digital enhancement of photographs. Students will complete projects in action photography, depth of field, lighting, aperture, shutter, and explore the use of digital cameras in photography. Access to a Digital camera with manual aperture and shutter speed adjustments is beneficial but not required. Students must follow accepted safety practices and are expected to exhibit skill and craftsmanship in their work. There is a lab fee of \$10, to cover the cost of materials used in the class. **(Level 1 Weighting)**

PHOTOGRAPHY TECHNOLOGY 2 (\$)**(Prerequisite: Grade of C or higher in Photography 1)****Course No: 7506005 or 750601****Credit: .5 or 1****Gr. 10-12**

This course is an extension of Photography 1. Students will learn how to effectively manipulate manual and automatic camera controls of a DSLR camera. An emphasis will be placed on photo composition in which students will study their subject matter as they look to combine technique with creative aspects of photography. Students will explore additional units in Night Photography, HDR (High Dynamic Range), and Panoramic Photography. Throughout their course of study students will learn how to effectively manipulate/enhance photos in Adobe Photoshop. Students will develop a working digital portfolio to demonstrate their growth and understanding of photography. Students must follow accepted safety practices and are expected to exhibit skill and craftsmanship in their work. There is a lab fee of \$10, to cover the cost of materials used in the class.

(Level 1 Weighting)**PROJECT DESIGN****(Prerequisite: Grade of C or higher in Graphics 1)****Course No: 7515005 or 751501****Credit: .5 or 1****Gr. 10-12**

Using a "corporation" model, students participating in this course will be divided into companies that will design and bid projects to prospective customers. If awarded the contract for the project, the students will utilize a range of technology skills to complete the product. The customers for the projects will be stock projects provided by the department or, when available, any project that is brought to the technology education department such as T-Shirts, banners, vinyl signs, and embroidered apparel. The content of the course will be the application of a wide range of technology education skills. From design and layout to actual production, students will use the skills from previous classes and those of their company members to compete for contracts to complete various projects proposed by the department or community. Students must follow accepted safety practices and are expected to exhibit skill and craftsmanship in their work. **(Level 1 Weighting)**

ELECTRONICS TECHNOLOGY 1 (\$)**Course No: 7701005****Credit: .5****Gr. 9-12**

This course is designed to allow students to explore the field of electricity and electronics through various exercises and lab experiments. Students will learn how to use electronic test equipment, explore basic electrical components to understand how they function, problem solve electrical circuits, and apply electrical laws. Students will also construct their own electronics projects. Students must follow accepted safety practices and are expected to exhibit skill and craftsmanship in their work. The lab fee for this class varies based on the project each student chooses to build. **(Level 1 Weighting)**

CAD 1 (Computer-Aided Design)**Course No: 7801005****Credit: .5****Gr. 9-12**

This course will develop knowledge and skills in technical drafting techniques in our industrial and residential environment. This includes detailed one-view drawings, three-view drawings, and pictorial drawings in isometric and oblique. Computer-Aided Drafting technology will be the focus for the majority of the course. Requirements included successful completion of a reasonable number of drafting plates in each category, each one having an increasing degree of difficulty. **(Level 1 Weighting)**

3D CAD**Course No: 7802005****Credit: .5****Gr. 10-12**

(Prerequisite: Grade of B or higher in any of the following: CAD 1, Applied Engineering or Architectural CAD, or instructor permission)

This course provides students an opportunity to expand their CAD experience in the area of 3D CAD, 3D Printing, and model building. The emphasis of this course will be the production of 3D printed representations of designs created by students. This course extends the development of knowledge and skills in technical drawing, as well as sectional drawings, auxiliary views, and sheet metal development which include some review of skills learned in CAD 1, Applied Engineering or Architectural CAD. 3D Computer-Aided Design and printing technologies will be used to fulfill the course requirements which include the successful completion of a variety of drafting plates in each category with each one having an increasing degree of difficulty.

(Level 1 Weighting)

ARCHITECTURAL CAD**(Prerequisites: CAD 1)****Course No: 7803005****Credit: .5****Gr. 9-12**

This course provides the development of knowledge and skills in architectural drawing as related to residential home construction. Computer-Aided Design technology will be used in the production of all of the plates. Requirements include the design of a single-family house, producing a set of drawings and blueprints to include a basement plan, first-floor plan, wall section, plot plan elevations, and pictorial as a minimum requirement. **(Level 1 Weighting)**

ADVANCED CAD**(Prerequisite: Teacher Recommendation)****Course No: 7804005****Credit: .5****Gr. 11-12**

This course provides the opportunity for students to continue independent study in drafting in either Engineering or Architectural work. Extensive experience using Computer-Aided Design (CAD) technology will be emphasized. Requirements include completion of a reasonable number of plates in either Engineering Drafting or Architectural Drafting based on student interest.

(Level 2 Weighting)

AVIATION TECHNOLOGY (\$)**Course No: 7901005****Credit: .5****Gr. 9-12**

This course explores man's desire to fly and the technology used to accomplish it. The course will look at the aspects of flight from aviation history, basic flight principles, flight environment, airplane instruments, airport environment, flight planning and drone technology. Lab projects include constructing a scaled hot air balloon, model airplanes/gliders, and model wing development. In addition, flight training will be conducted utilizing flight simulator software. Students will also have an opportunity to participate in a field trip to Lancaster Airport to enhance the theory discussed in the course. This course will satisfy the Technology Education graduation requirement. There is a \$10 lab fee to cover the cost of materials used in the class.

(Level 1 Weighting)

AVIATION TECHNOLOGY 2**(Prerequisite: Grade of C or higher in Aviation Technology)****Course No: 7903005****Credit: .5****Gr. 10-12**

This course will focus on the study and operation of Unmanned Aerial Vehicles "UAVs" and how this technology is becoming more prevalent in our society. In this course, students will continue to build upon flight principles discussed in Aviation Technology and transfer those skills for safe manual operation on school-issued UAVs. The objective of this course is to provide the students of Conestoga Valley High School with the intellectual tools, manual flight skills, onboard camera skills, and study of FAA rules and regulations to safely and legally operate a UAV. Individuals 16 years or older have the option to sit for the FAA certification exam for unmanned UAV operation at an additional cost coordinated by the student and their family.

(Level 1 Weighting)

AEROSPACE TECHNOLOGY (\$)

(Prerequisite: Grade of C or higher in Aviation Technology)

Course No: 7902005

Credit: .5

Gr. 10-12

This course is a continuation of Aviation Technology. Students will explore primarily today's flight technology and projections for future air and space travel. Studies will also include weight, and balance of aircraft and rockets and instrument guidance systems. There will be trips to museums and related aerospace/aviation facilities. Projects will include rotary wings, solid rockets, hydro rockets, as well as a variety of other projects of the students choosing. The course will include reading and writing assignments, computer use, presentations, and problem-solving. Students will be expected to adhere to required safety rules and pay a \$10 lab fee to cover materials used throughout the course of the marking period. **(Level 1 Weighting)**

VIDEO PRODUCTION TECHNOLOGY 1

Course No: 7910005

Credit: .5

Gr. 9-12

This course will introduce students to the electronic media of video production. Students will be required to learn how to use the camera properly and use non-linear computer digital editing. Students will work in teams using a digital video camera to complete a variety of video assignments. Additionally, the student will be expected to produce two final edited projects complete with storyboards and final log sheets. Due to the nature of the course, students may have to put in extra time during non-class hours to complete their project assignments. Students must follow accepted safety practices and are expected to exhibit skill and craftsmanship in their work. This course will satisfy the Technology Education graduation requirement.

(Level 1 Weighting)

VIDEO PRODUCTION TECHNOLOGY 2

(Prerequisite: Grade of C or higher in Video Production Technology 1)

Course No: 7911005 or 791101

Credit: .5 or 1

Gr. 10-12

This course continues studies in video production with emphasis on non-linear editing and digital work using "Final Cut Pro," a high end editing software. Additional studies in sound and special effects will also be explored. Students will be required to work in teams to prepare a variety of segments that can be used for "The Morning Show". Due to the nature of the course, students may have to put in extra time during non-class hours to complete their projects. Students must follow accepted safety practices and are expected to exhibit skill and craftsmanship in their work. **(Level 1 Weighting)**

ADVANCED VIDEO PRODUCTION

(Prerequisite: Grade of C or higher in Video Production 2)

Course No: 7912005 or 791201

Credit: .5 or 1

Gr. 11-12

This course allows students with a special interest in this dynamic field to pursue in-depth study, including additional work with "Final Cut Pro". Additional studies in lighting and chromo screen work will be explored. Students will also learn how to use the studio equipment to broadcast a show. Students will be required to produce a number of video segments and projects. Due to the nature of the course, students may have to put in extra time during non-class hours to complete their projects. Students must follow accepted safety practices and are expected to exhibit skill and craftsmanship in their work. **(Level 2 Weighting)**

TELEVISION PRODUCTION

(Prerequisite: Teacher Recommendation)

Course No: 791401

Credit: 1 or 2

Gr. 10-12

Students in this course will fully engage in the production of a television news broadcast each day from the school's TV studio. Course content will involve all activities necessary for the production of an informational news show including planning, directing, technical and informational procedures, writing and editing material, creating special features, operating video and audio equipment, and control room duties and functions. Students will study and be assigned to various production roles depending on experience, expertise, and programming needs and will be evaluated using industry standards of employability. Students will also complete a series of career essays about the jobs performed during production and are expected to exhibit skill and craftsmanship in their work. Accepted safety practices must be followed at all times. To enroll in the course students must be invited (each year) by the course instructor, complete an interview, and commit in writing to the standards and expectations of the course. Invitations to participate in the course are based on a five-component rubric based on technical knowledge and skills, work ethic, dependability, character, and commitment. Successful participation in the middle school video production program and/or Video Production I are prerequisites for an invitation to the course. **(Level 1 Weighting)**

ANIMATION PRODUCTION**Course No: 7916005 or 791601****Credit: .5 or 1****Gr. 9-12**

This course will introduce students to the electronic media of digital animation. Students will learn about professional animation and how it is used in the film and entertainment industry. This course has a hands-on approach to learning where students will create their own Animation projects. Students will use the Adobe Creative cloud to produce these projects. **(Level 1 Weighting)**

FAMILY AND CONSUMER SCIENCES

The symbol "\$" adjacent to a course title indicates a class with a fee. Students in the Free and Reduced Lunch program at CVHS are eligible for Free and Reduced general lab fees.

BASIC CULINARY ARTS (\$)**Course No: 7201****Credit: .5****Gr. 9-12**

This course includes lessons in nutrition, equipment, and preparation techniques. Basic Culinary Arts introduces quick and easy foods, planning meals, and making healthy food choices. Students will be required to pay a \$30 food lab fee.

(Level 1 Weighting)**PASTRY ARTS (\$)****Course No: 7202****Credit: .5****Gr. 10-12**

This course gives the student practical experience in preparing a variety of foods, which require baking. Emphasis is placed on correct procedures, proper use of equipment, consumer information, safety, and sanitation. Students will be required to pay a \$30 food lab fee. **(Level 1 Weighting)**

AMERICAN CUISINE (\$)**(Prerequisite: Grade of C or higher in Basic Culinary Arts or Pastry Arts)****Course No: 7208****Credit: .5****Gr. 11-12**

Choose this course and explore, region by region, the best of our country's culinary history. Beginning with the pilgrims' landing, through waves of immigrants and western expansion, this course captures the melting pot of flavors and aromas that represent American cookery at its best. Students will be required to pay a \$30 food lab fee. **(Level 1 Weighting)**

WORLD CUISINE (\$)**(Prerequisite: Grade of C or higher in Basic Culinary Arts or Pastry Arts)****Course No: 7203****Credit: .5****Gr. 11-12**

This course is an adventure in eating through the study of foreign foods. Students learn how a country's geography, culture, religion, heritage, and climate influence food selection and preparation. Due to modern transportation and increasing global trade, there is a good chance that students will at some time in their lives visit, do business in, or relocate to a foreign country. Because sharing food is a natural bridge-builder, the meal table may be the best place to begin to appreciate cultural diversity. Students will be required to pay a \$30 food lab fee. **(Level 1 Weighting)**

NUTRITION AND WELLNESS (\$)**Course No: 7204****Credit: .5****Gr. 10-12**

Nutrition offers students instruction and experience in applying basic nutrition concepts. This course includes an in-depth analysis of the six essential nutrients and their application for individuals and families. Some activities include critiquing food labels and sample diets, considering economic and cultural considerations on food and wellness choices, and experimenting with foods in the lab environment. Students will be required to purchase a \$15 foods card. **(Level 1 Weighting)**

CHILD DEVELOPMENT 1**Course No: 7601****Credit: .5****Gr. 10-12**

This course is an integrated study of physical, intellectual, social, emotional and moral development, and behavior from birth through early childhood. Emphasis will be placed on guiding children at each level of development. Upon completion of this course students can elect Child Development 2, which includes an internship working with children. **(Level 1 Weighting)**

CHILD DEVELOPMENT 2 (\$)**(Prerequisite: Grade of C or higher in Child Development 1)****Course No: 7602****Credit: 1****Gr. 10-12**

This course is designed to enable the student to apply the skills learned in Child Development 1 in a laboratory setting working directly with children. Students will plan and carry out lessons in storytelling, arts and crafts, literature, science, and social studies. This course is highly recommended for students considering careers in elementary and/or early childhood education, special education, or any career revolving around children. Students are required to pay a \$20 course fee and arrange for transportation to and from a local elementary school. Student carpools will be organized, but transportation is not the responsibility of the school. The student must be 16 years of age before October 1, 2023. **(Level 1 Weighting)**

PERSONAL AND FAMILY DEVELOPMENT**Course No: 7210****Credit: .5****Gr. 12**

This required course for seniors will provide the opportunity for students to develop the knowledge and skills needed in making choices related to personal and family life. Topics of study include positive communication skills and conflict resolution, development of healthy relationships, current issues relating to the diverse needs of families, parenting and guidance strategies, promoting positive growth and development in children, and protecting children's safety and welfare. **(Level 1 Weighting)**

FASHION & INTERIOR DESIGN (\$)**Course No: 7211****Credit: .5****Gr. 10-12**

This course provides students with an introduction to design concepts applied to the field of interior design and the fashion industry. After exploring the principles and elements of design, students will take part in project-based learning as they consider floor plans and color schemes to create an exciting living space of their very own. Students will consider how these same principles and elements can be applied to clothing construction and fashion design. Students will evaluate various fashion styles and be given an opportunity to develop and critique original designs with other students. Additional topics that may be explored include sustainable design, digital tools and resources, and related career options. Students will be required to purchase a \$20 materials fee in addition to providing materials for their personal projects. **(Level 1 Weighting)**

MUSIC

CVHS requires at least one (1) music course (.5 credit) to be taken as a condition for graduation. Students may fulfill their music requirements by selecting any music course or an ensemble.

MUSIC PERFORMANCE (Concert Band, Concert Choir, Orchestra)**Course 801102 or 801101****(Prerequisite: Recommendation of middle or high school directors or audition)****Credit: 2 (full year) or 1 (one semester)****Gr. 9-12**

The course is comprehensive and includes a variety of ensemble literature. Musicians develop technique through rehearsals and performances and perform in at least four mandatory concerts per school year. Students in concert band, concert choir, and orchestra meet during the same block and can choose to be in one or more of the ensembles. **(Level 1 Weighting)**

HONORS MUSIC PERFORMANCE**Course No: 801102H or 801101H****Credit: 2.0 (full year) 1.0 (one semester)****Gr. 10-12**

Honors Music Ensemble is designed to provide musicians in concert band, concert choir, and orchestra with rigorous and challenging learning opportunities. Students will maintain digital portfolios to document their learning. Each marking period, they will choose two learning options to complete and add to their digital portfolios. The learning options are varied to allow students to enhance their musicianship through performance, composition, research, advocacy, and multidisciplinary projects.

(Level 2 Weighting)**CHORUS****Course No: 8106****Credit: 1 (Semester Long) 2 (Year Long)****Gr. 9-12**

This course is open to all students who want to sing. No prior experience or audition is required. Students will learn vocal techniques, musicianship, and creative expression through the performance of a varied repertoire. Students perform in two (semester) or four (year) mandatory concerts. **(Level 1 Weighting)**

MUSIC THEORY**Course No: 8202**

(Although there is no prerequisite, it is suggested that students have some musical knowledge and/or participate in an ensemble)

Credit: .5**Gr. 9-12**

Music Theory is designed to enhance music skills and basic music fundamentals. The essential aspects of melody, harmony, rhythm, and form are studied. Throughout the course students will study basic notation, scales, key signatures, intervals, triads, cadences, non-chord tones, form, part-writing and analysis of a score. Aural dictation, ear training, and vocal solfege are an integral part of the course. Individual creativity is nurtured through both rhythmic and melodic composition. This course is highly recommended for students in a musical ensemble, and is a prerequisite for AP Music Theory. **(Level 1 Weighting)**

AP MUSIC THEORY**Course No: 8203AP**

(Prerequisite: Grade of B or higher in Music Theory)

Credit: 1**Gr. 10-12**

AP Music Theory is a college-level course for highly motivated students with a serious interest in music. Students will complete coursework equivalent to that of a first year college course in music theory. Classes will consist of lecture and written work as well as sight-singing, ear-training, and melodic and harmonic dictation practice. Students are expected to utilize the music technology resources to practice skills and concepts both in and outside of class. This course is designed to prepare students for the AP Music Theory Exam. **(Level 3 Weighting)**

AUDIO PRODUCTION 1**Course No: 8207****Credit: .5****Gr. 9-12**

Audio Production is a project-based class in which students will learn to compose music, sequence tracks, create loops, and design drum patterns using music industry-standard hardware and software. Students will use LogicPro and LaunchPad Mini to create music sourced from electronic and recorded material. Students will edit and mix recordings of various genres of music. Students will also learn the evolution of music technology, music technology vocabulary, along the possibilities of career options in the music technology field. **(Level 1 Weighting)**

AUDIO PRODUCTION 2**Course No: 8208**

(Prerequisite: Grade of C or higher in Audio Production 1)

Credit: .5**Gr. 9-12**

This is a project-based class in which students will learn to compose music, sequence tracks, create loops, and design drum patterns using music industry-standard hardware and software. Audio production 2 enables students to further develop their mixing, looping, arranging, and composing skills using Logic Pro and LaunchPad mini tools. Additionally, students will explore careers related to audio production as well as the evolution of music technology. **(Level 1 Weighting)**

BEGINNING GUITAR**Course No: 8211****Credit: .5****Gr. 9-12**

This course provides students with an introduction to playing the guitar. Topics of the course include care of the instrument; chord progressions, strumming patterns, and individual notes in first position. Classical, folk, blues, and pop repertoire will be performed in class and will aid in sharpening musicianship skills. **(Level 1 Weighting)**

INTERMEDIATE GUITAR

(Prerequisite: Passing grade in Beginning Guitar or successful placement test with the instructor) **Course No: 8212**

Credit: .5**Gr. 10-12**

Intermediate Guitar is a continuation of the Beginner Guitar course. Students will reinforce basic skills and explore advanced guitar concepts that include barre chords, arpeggios, scales, as well as solo and ensemble performance. **(Level 1 Weighting)**

EXPLORATORY INSTRUMENTS: MODERN BAND**Course No: 8210****Credit: 1****Gr. 9-12**

Exploratory Instruments: Modern Band is an immersive approach to music instruction. Students choose from a vast repertoire of culturally responsive music from pop, rock, folk, and Latin styles. Students will learn to arrange, compose, improvise and perform using keyboards, drum sets, and guitars. **(Level 1 Weighting)**

ART

Students must take at least one (1) course in art (0.5 credit) to meet graduation requirements.

CERAMICS 1 (\$)

Credit: .5

Course No: 8503

Gr. 9–12

This course is designed for students who wish to experience the basics of design through the use of clay. Students will explore the concepts of form and function. Hand-building techniques using slabs, coils, and pinched forms are emphasized. Students will learn the basics of glazing. History, aesthetics, and criticism are integrated with studio processes. A \$10 materials fee is required. **(Level 1 Weighting)**

CERAMICS 2 (\$)

(Prerequisite: Successful completion of Ceramics 1)

Credit: .5

Course No: 8513

Gr. 9-12

In this course, students continue to develop concepts and skills begun in Ceramics I. In addition to hand-building forms, students will learn the process of wheel throwing. Students will experiment with a variety of surface finishes. History, aesthetics, and criticism are integrated with studio processes. A \$10 materials fee is required. **(Level 1 Weighting)**

CERAMICS 3 (\$)

(Prerequisite: Successful completion of Ceramics 2)

Credit: .5

Course No: 8523

Gr. 10-12

This is an advanced course where students will build on the skills they learned in Ceramics 2. Students will continue to develop wheel-throwing techniques and will concentrate on an area of interest. History, aesthetics, and criticism are integrated with studio processes. Students will create ceramic works of art to add to a college admission portfolio. A \$10 materials fee is required. **(Level 1 Weighting)**

CRAFTS (\$)

Credit: .5

Course No: 8506

Gr. 9-12

This course emphasizes mixed media crafts construction. Wire, wood, fibers, yarns, paper, cardboard, plaster, Paper Mache, reeds, and found materials may be used. History, aesthetics and criticism are integrated with studio processes. There is a \$10 materials cost. **(Level 1 Weighting)**

TEXTILES (\$)

Credit: .5

Course No: 8516

Gr. 11-12

This course will introduce students to various forms of surface design using assorted materials and textiles. Batik, weaving and tie-dye will be explored. There will be opportunities to develop individual concepts, with emphasis on personal expression. History, aesthetics and criticism are integrated with studio processes. There is a \$10 materials fee. **(Level 1 Weighting)**

DRAWING 1

Credit: .5

Course No: 8501

Gr. 9-12

Students learn the skills and techniques involved in the use of line and shadow. Students use a variety of media to explore many approaches to drawing, including observational drawing and drawing from imagination. History, aesthetics and criticism are integrated with studio processes. **(Level 1 Weighting)**

DRAWING 2

(Prerequisite: Successful completion of Drawing 1)

Credit: .5

Course No: 8511

Gr. 9-12

In this course students continue to develop concepts learned in Drawing I, working primarily from observation. Figure drawing and still life are areas of focus. Greater development of the use of drawing media is achieved. History, aesthetics, and criticism are integrated with studio processes. **(Level 1 Weighting)**

DRAWING 3

(Prerequisite: Successful completion of Drawing 2)

Course No: 8521

Credit: .5

Gr. 10–12

In this course, students continue to advance their understanding of observational drawing. Figure drawing is emphasized. Traditional and non-traditional approaches to subject and media are explored. History, aesthetics, and criticism are integrated with studio processes. Weekly homework assignments are a part of this course. **(Level 1 Weighting)**

PAINTING 1 (\$)

Course No: 8502

Credit: .5

Gr. 9-12

Students will learn to use basic painting materials. The course provides an introduction to techniques, composition, and color theory. Students work primarily in tempera and acrylics. History, aesthetics, and criticism are integrated with studio processes. Students will be required to purchase a \$10 materials card. **(Level 1 Weighting)**

PAINTING 2 (\$)

(Prerequisite: Successful completion of Painting 1)

Course No: 8505

Credit: .5

Gr. 10–12

Students will continue to develop concepts and skills begun in Painting I, using acrylic and oil paints. Students will advance their understanding of painting styles, movements in history, as well as the process of painting. Students will learn techniques that include underpainting, glazing, and impasto. History, aesthetics, and criticism are integrated with studio processes. A \$10 materials card is required. **(Level 1 Weighting)**

PAINTING 3 (\$)

Course No: 8508

(Prerequisite: Successful completion of Painting 2)

Gr. 10–12

Credit: .5

This is an advanced painting course. Students will choose the subject/content they would like to explore. They will develop preliminary work that leads to culminating painting or set of paintings. Preliminary work will include sketches and research of historic and contemporary work that connects to the choice of content made by students. An emphasis will be on the understanding of media and the communication of ideas through painted images. **(Level 1 Weighting)**

PRINTMAKING

Course No: 8600

Credit: .5

Gr. 9–12

This is a survey course that teaches the history and process of printmaking. Students will explore the processes of monoprints, etchings, collographs, linoleum prints, and prints from stencils. **(Level 1 Weighting)**

SCULPTURE (\$)

Course No: 8610

Credit: .5

Gr. 9-12

This is a survey course that teaches the history and methods of working with three-dimensional forms. Students will explore the processes of making relief sculpture, additive sculpture, subtractive sculpture, mobiles, and stabiles. Various materials and tools will be used. History, aesthetics, and criticism are integrated with studio processes. A \$10 material card is required.

(Level 1 Weighting)

SCULPTURE 2 (\$)

Course No: 8611

(Prerequisite: Successful completion of Sculpture 1)

Gr. 9-12

In this course students will continue to develop concepts learned in Sculpture 1, using a variety of materials to explore content, process, and methods of construction in the development of 3D form. There will be a focus on clay as a sculpture medium. Other materials and methods will also be used to explore creating sculpture that is conceptual and from observation. History, aesthetics, and criticism are integrated with the studio process. A \$10 materials card is required. **(Level 1 Weighting)**

WATERCOLOR (\$)

Course No: 8620

Credit: .5

Gr. 9-12

This course will offer students various experiences using watercolors. Students will learn color theory, techniques, and the use of materials. Working from direct observation will be an element of this course. History, aesthetics, and criticism are integrated with studio processes. A \$10 materials card is required. **(Level 1 Weighting)**

AP STUDIO ART PROGRAM

This advanced course is designed for students who are serious about the development of their art skills. Students develop a portfolio of work that may be used for application to art schools, colleges, and universities. Work includes in-depth assignments in the areas of drawing, painting, and design. Daily homework assignments are given that involve studio work, research, and writing. This is a two-course program. At the completion of the second semester, students pay an additional fee for the Advanced Placement test for assessment by the College Board and for potential college credit. Descriptions of the AP Studio Art Program follow below.

AP 2D STUDIO ART 1 (Breadth) (\$)

(Prerequisites: Passing grades in Drawing I, Painting I, and a portfolio review.)

Course No: 8403AP

Credit: 1

Gr. 11-12

In this first semester of the AP course, students solve problems in the areas of design, drawing, painting, and mixed media. Verbal and written critiques are part of this course. Students experience a breadth of approaches to making art, as required by the AP College Board. Weekly homework assignments are required. Students will work toward the development of a portfolio for college admission. Requirements for the portfolio may be obtained from Art Department. A \$20 materials fee is required for students taking this course. **(Level 3 Weighting)**

AP 2D STUDIO ART 2 (Concentration) (\$)

(Prerequisite: Passing grade in AP 2D Studio Art 1)

Course No: 8404AP

Credit: 1

Gr.11-12

In this second semester of the AP course, students select and concentrate in one area of interest (concentration). Under the direction of the AP teacher, students will explore a theme, a subject or an idea of focus, which will become the inspiration for artwork produced during this semester. Using the AP College Board guidelines, students will be directed in their artistic development through individual and group critiques. Weekly homework assignments are required. Students will work toward the development of a portfolio for college admission. A \$20 materials fee is required for students taking this course.

(Level 3 Weighting)

PHYSICAL EDUCATION, HEALTH & FIRST AID/CPR

HEALTH

CURRENT HEALTH ISSUES

Course No: 9122

Credit: .5

Gr. 11

This course is required for all 11th grade students. The course is designed to take students through a study of a variety of health topics that impact their lives on a daily basis in order to help them better comprehend concepts related to health promotion and disease prevention. Students will develop health skills that will include accessing information, self-management, analyzing influences, interpersonal communication, decision-making, goal setting, and advocacy. Through this course, students will improve health literacy and create a lifestyle that is based on good choices and healthy behaviors. **(Level 1 Weighting)**

PHYSICAL EDUCATION

Students must take a .5 credit PE class each year for four years.

PHYSICAL EDUCATION FOR CTC STUDENTS

Full-day CTC students are required to complete 1.5 credits of physical education 9th Grade PE (9th Grade), Foundations of Fitness (10th grade), and one elective option (11th grade).

9TH GRADE PHYSICAL EDUCATION

Course No: 9011

Credit: .5

Gr. 9

The 9th grade physical education curriculum is structured so that students will meet the PA State Standards for Physical Education through a variety of team and individual activities that place an emphasis on fitness development, skill acquisition, application of strategic concepts, and teamwork. An emphasis on fitness development is an ongoing initiative in all PE courses. This course meets every cycle day for 9 weeks. **(Level 1 Weighting)**

FOUNDATIONS OF FITNESS**Course No: 9035****(Prerequisite: 9th grade PE)****Credit: .5****Gr. 10**

Foundations of Fitness is a combination of classroom and fitness activities that will enhance cardiovascular fitness, muscular strength and endurance, flexibility, and body composition. The benefits of exercise and its effect on the systems of the body will be introduced. The primary objectives of this course are to improve the health-related components of fitness and to enable the student to make intelligent decisions regarding fitness program design and application. This course meets every cycle day for 9 weeks. **(Level 1 Weighting)**

PHYSICAL EDUCATION COURSES FOR 11th AND 12th GRADE

Students will choose from the following courses for their 11th and 12th grade Physical Education requirements.

FOUNDATIONS OF FITNESS 2**Course No: 9040****(Prerequisite: 9th Grade PE and Foundations of Fitness)****Credit: .5****Gr. 11-12**

Foundations of Fitness 2 is for students interested in the study and practice of various fitness styles, trends, and techniques that can be used for lifetime fitness and expand upon the knowledge gained in Foundations of Fitness 1. This course includes both classroom and fitness-oriented lessons. Students will have the opportunity to learn current styles of lifetime fitness including cardiovascular training, interval training, traditional weight training, bodyweight training, heart-rate-based training, and functional fitness. Additionally, students will choose a weight training goal and workout based on personalized fitness goals and engage in a program designed to meet those goals. The main objective of this course is for students to achieve knowledge in exercise programming and improve their current fitness level. **(Level 1 Weighting)**

FITNESS PROGRAMMING**Course No: 9507****(Prerequisite: 9th Grade PE and Foundations of Fitness)****Credit: .5****Gr. 11-12**

This course offers students an opportunity to learn, plan, and build their own personal fitness programs for both weight training and cardiovascular endurance training. The goal of this course is to provide students with the necessary information to effectively and safely create their own personal exercise program regimens. Students will participate in the program they designed during the course. **(Level 1 Weighting)**

LIFETIME ACTIVITIES**Course No: 9503****(Prerequisite: 9th Grade PE and Foundations of Fitness)****Credit: .5****Gr. 11-12**

Lifetime Activities is a course for students interested in the study and practice of lifetime activities. Examples include, but are not limited to, bowling, golf, disc golf, GPS/ orienteering, net games, yard games, and social games. The course includes both classroom and activity sessions. To meet fitness standards, the course requires one-third of all activity sessions to involve fitness training with two-thirds of the class dedicated to the course content. Students will learn and demonstrate an understanding of game procedures, rules, ethics of gameplay. **(Level 1 Weighting)**

ADVENTURES IN PHYSICAL EDUCATION**Course No: 9506****(Prerequisite: 9th Grade PE and Foundations of Fitness)****Credit: .5****Gr. 11-12**

Adventures in PE includes team building, cooperative, problem-solving and adventure-based activities. Students will spend time participating in individual, partner, and group activities that promote these concepts. To meet fitness standards, the course requires one-third of all activity sessions to involve fitness training with two-thirds of the class dedicated to the course content. **(Level 1 Weighting)**

COMPETITIVE GAMES**Course No: 9504****(Prerequisite: 9th Grade PE and Foundations of Fitness)****Credit: .5****Gr. 11-12**

This course focuses on activities in a competitive setting. Activities may include, but are not limited to, lifetime activities, team, and individual sports. Emphasis is placed on competition, sportsmanship, advanced skill performance, and the application of strategic concepts. To meet fitness standards, the course requires one-third of all activity sessions to involve fitness training with two-thirds of the class dedicated to the course content. **(Level 1 Weighting)**

MOVEMENT EXPLORATION

Course No: 9505

(Prerequisite: 9th Grade PE and Foundations of Fitness)

Credit: .5

Gr. 11-12

Movement exploration is for students interested in the study and practice of mindfulness, yoga, and dance. The course includes both classroom and activity sessions. Students will learn the proper form, safety, and execution of the movements involved in each type of activity. Additionally, students will spend time studying the etiquette involved in the practice of each.

(Level 1 Weighting)

ADVANCED STRENGTH AND CONDITIONING

Course No: 955101 or 955102

(Prerequisite: B in previous P. E. course and teacher recommendation)

Credit: .5

Gr. 11-12

The course is structured so that students will be able to meet personal and sport-related fitness training goals. The course is designed using challenging and rigorous workout routines. The student must meet a high standard of prerequisites to enter the class with a required recommendation from a physical education teacher. This course is offered as a semester-long or year-long course. **(Level 1 Weighting)**

FIRST AID / CPR

AMERICAN HEART ASSOCIATION HEARTSAVER CPR & FIRST AID COURSE (\$)

Course No: 7604

Credit: .5

Gr. 10-12

The American Heart Association Heartsaver provides students with the knowledge and skills necessary to help sustain life and minimize the consequences of injury or sudden illness until advanced medical care arrives. The program content and activities will help participants identify and eliminate potentially hazardous conditions, recognize emergencies, and make appropriate decisions for first aid care. Units within the program teach the first aid skills the layperson responder will need to perform. This program also emphasizes the prevention of injuries and illness, with a focus on personal safety and health. Using a healthy lifestyles-awareness inventory, participants will assess their environment and personal habits to reduce their risk of injury and illness. This course is being taught under the guidelines established by the American Heart Association. There is a \$35 course fee which includes a Laerdal pocket mask and course certification. **(Level 1 Weighting)**

PUPIL SERVICES

SPECIAL EDUCATION

A student's enrollment in the Special Education Program is contingent upon the multi-disciplinary evaluation team's recommendation and development of an appropriate individualized education plan and notice of recommended education placement (NOREP) signed by a parent.

Special education services are provided to identified students in accordance with their individual education plan (IEP). Special education services are delivered using the standard of "least restrictive environment" (LRE) in accordance with the federal Individuals with Disabilities Education Act (IDEA), Pennsylvania education law known as Chapter 14, and the Gaskin Settlement Agreement of 2005. Conestoga Valley utilizes inclusive practices in accordance with students' IEPs in meeting this standard. In particular, special and regular education teachers support students in regular education classrooms using co-teaching strategies and methods. Students requiring special education services outside the regular education classroom receive instruction and/or services in a supportive classroom environment and/or in other settings or conditions as indicated on students' IEPs.

LEARNING SUPPORT

Services and supports are provided to identify students based on their IEP. Services are centered on academic needs in the areas of reading, mathematics, and writing. Students receive all supports and services in an Academic Support period.

EMOTIONAL SUPPORT

Services and supports are provided to identify students based on their IEP. Services are centered on a social skills curriculum. Positive Behavior Support Plans (PBSP) are developed in accordance with individual student needs.

LIFE SKILLS SUPPORT

Services and supports are provided to identify students based on their IEP. Services are centered on a life skills curriculum, the transition from school to work, and reading and math academic needs. Students receiving life skills services and supports are instructed and assessed on the Alternative Standards and will take the Alternative Assessment (PASA).

ACADEMIC SUPPORT - Students with IEPs may be scheduled for this course to provide services and support based on IEP goals and specially designed instructional needs.

GIFTED EDUCATION COURSES

HONORS SAGE

Course No: 0311H.5

Credit: .5

Gr. 9-12

This course is designed for students who enjoy learning in grades 9-12. Students develop research, writing, problem-solving, and critical thinking skills by studying an in-depth independently chosen research project. One project is due per quarter. Students also work with SAT and GRE vocabulary words each week. The class focuses on a variety of inter-disciplinary topics and readings, enrichment activities, group projects, and discussions. Topic subjects change each year and rotate on a four-year basis. **(Level 2 Weighting)**

HONORS SAGE MOCK TRIAL

Course No: 0310H-MT

Credit: 1 (FIRST SEMESTER EACH YEAR)

Gr. 9-12

This course is designed for students in grades 9-12 who are interested in learning more about the law. Students will learn trial techniques, the Federal Rules of Evidence, and how to write arguments and examinations. They will then prepare and argue a full trial in competition against other schools. The course is offered first semester each year, with evening practices from November –March during the competition season. **(Level 2 Weighting)**

ENGLISH AS A SECOND LANGUAGE (ESL)

ESL ENTERING

(Prerequisite: Approval of ESL Department, Screener, or Testing Results)

Course No: 0811

Credits: 2

Gr. 9-12

ESL Entering is intended for students with no previous experience with the English language. The course focuses on mastery of the sounds of English, acquisition of the language skills needed to understand and participate in basic social interactions and an introduction to basic academic language. Students are tested for placement in this class. ESL Entering is a year-long, two semester course. **(Level 1 Weighting)**

ESL BEGINNING

(Prerequisite: Approval of ESL Department, Screener, or Testing Results)

Course No: 0812

Credits: 2

Gr. 9-12

ESL Beginning is intended for students who have very limited proficiency in English. The course continues to develop social language and places increasing emphasis on building academic language skill in the four domains: listening, speaking, reading, and writing. Students will work towards mastery of the simple sentence in their productive language. Students are tested for placement in this class. ESL Beginning is a year-long, two-semester course. **(Level 1 Weighting)**

ESL DEVELOPING 1

(Prerequisite: Approval of ESL Department, Screener, or Testing Results)

Course No: 0802

Credits: 2

Gr. 9-12

Listening and speaking skills will be developed with an emphasis on pronunciation skills, grammar, and vocabulary development. The course will emphasize reading comprehension and writing with the goal of producing expanded and complex sentences and coherent paragraphs. Students will be tested for placement in this class. ESL Developing 1 is a year-long, two-semester course. **(Level 1 Weighting)**

ESL DEVELOPING 2

(Prerequisite: Approval of ESL Department, Screener, or Testing Results)

Course No: 0803

Credit: 1 (English Credit Per Semester)

Gr. 9-12

Listening and speaking skills continue to be developed with an emphasis on pronunciation skills, grammar, and vocabulary development. The course will emphasize reading comprehension and writing practice with the goal of producing expanded and complex sentences and coherent paragraphs. Students will be tested for placement in this class. ESL Developing 2 is a year-long, two (2) semester course. **(Level 1 Weighting)**

ESL EXPANDING

(Prerequisite: Approval of ESL Department, Screener, or Testing Results)

Course No: 1714

Credit: 1 (English Credit Per Semester)

Gr. 9-12

Reading, writing, and speaking skills will continue to be developed. This course emphasizes strategies for improving writing and speaking skills and reading comprehension through responses to various genres of multicultural literature, including drama, poetry, short stories, graphic novels, and novels. ESL Expanding is a year-long, two (2) semester course. **(Level 1 Weighting)**

ESL BRIDGING

(Prerequisite: Approval of ESL Department, Screener, or Testing Results)

Course No: 1718

Credit: 1 (English Credit Per Semester)

Gr. 9-12

Reading, writing, and speaking skills will continue to be developed. This course emphasizes strategies for improving writing skills and reading comprehension through responses to various genres of multicultural literature, including drama, poetry, short stories, graphic novels, and novels. Active participation in this course will utilize higher order thinking skills and enable students to apply reading and writing strategies to ensure success in all content area. ESL Bridging is a one (1) semester course. **(Level 1 Weighting)**

CVVA ELECTIVE COURSES

CVVA COMMUNICATIONS ELECTIVES

CVVA ADVANCED COMPOSITION

Course No: CVVA1341H005

Credit: .5

Gr. 9-12

This intensive writing course is designed for the student who desires to develop strong written communication skills and/or is planning to take 11th and/or 12th grade College in the High School English or Honors level courses. The course will concentrate on developing advanced abilities in expository and argument writing and an in-depth study of the American English Language. Compositions may include autobiography, definition, classification, description, and opinion/argument. This course is designed for students interested in pursuing a college degree or other post-secondary studies. **(Prerequisite for 11th and 12th-grade honors classes, CHS, and AP) (Level 2 Weighting)**

CVVA CAREERS IN THE ARTS

Course No: CVVA1049005

Credit: .5

Gr. 9-12

This introductory course provides comprehensive information on four separate areas of arts and communications as educational and career pathways. Students who are interested in careers in theater, journalism, visual arts, and communications will gain a useful perspective on industry terminology, technology, work environment, and guiding principles. **(Level 1 Weighting)**

CVVA CREATIVE WRITING

Course No: CVVA1322005

Credit: .5

Gr. 9-12

This course is designed for students who wish to experience writing as a form of artistic self-expression. The course will enable students to develop originality in thought and writing and bring students to a greater awareness of self. Students will first read and analyze examples of the following genres: short story, drama, and poetry. Students will then be accountable for creating their own short stories, one-act plays, and poetry projects. Students will also be required to write in a journal daily. Conferences with peers and the teacher and self-reflection/assessment will enable students to have a greater understanding of the creative process, ways to improve writing, and audience appeal. **(Level 1 Weighting)**

CVVA INTRODUCTION TO THEATER**Course No: CVVA1431005****Credit: .5****Gr. 9-12**

This course provides an introduction to various aspects of the theatre. Students will practice analyzing scripts and developing monologues in addition to improvisational acting skills. This course is appropriate for all levels of experience in the theatre. **(Level 1 Weighting)**

CVVA PUBLIC SPEAKING**Course No: CVVA1412005****Credit: .5****Gr. 9-12**

The purpose of public speaking is to enable students to speak effectively in both formal and informal settings. The first few weeks of the course will focus on communication fundamentals, overcoming stage fright; sharing of self; interpersonal, group, and public communications; listening skills; analyzing audience; verbal and nonverbal communication; and speech delivery. The course will then emphasize the principles of oral interpretation, and students will have opportunities to practice the techniques to present various literary selections, individually and chorally. Following the instruction on how to write a speech, students will deliver various presentations: a formal speech about self, a speech for a special occasion, an informative speech, and an impromptu speech. At the conclusion of the course, students should feel confident to plan, prepare, rehearse, and present speeches for various purposes and in a variety of speaking situations. **(Level 1 Weighting)**

CVVA SOCIAL STUDIES ELECTIVES**CVVA AFRICAN AMERICAN STUDIES****Course No: CVVA2233005****Credit: .5****Gr. 11-12**

This course begins with exploring African heritage and the slave trade, the African Slave experience and resistance in America, events leading up to the Civil War and emancipation. The bulk of this course will focus on events after the Civil War, starting with Reconstruction and the development of the African American identity as freedmen, the attempts to legally re-enslave the freedmen through legal means (Jim Crow laws), and the development of the Civil Rights Movement. The course will end with the life of the contemporary. **(Level 1 Weighting)**

CVVA HISTORY OF THE HOLOCAUST**Credit: .5****Gr. 9-12**

In this course, students learn the details of the history of the rise of anti-Semitism that contributed to the start of the Holocaust and the power of the Nazi party. Learn of the persecution of European Jews and other groups, and the tremendous aftermath for everyone involved in World War II, and what has been done since to combat genocide. This course is especially valuable for students interested in the following career clusters: Education & Training; Government & Public Administration.

CVVA PSYCHOLOGY**Course No: CVVA2442005****Credit: .5****Gr. 11-12**

Introductory psychology examines the behavior of the individual. Emphasis is placed on preparing students for an introductory psychology course in college, through the writing and analytical skills expected, and the topics discussed. Topics include psychological theory and history, (including Freud) intelligence, memory, learning, personality, and mental disorders. Students are expected to participate in class activities and discussions and to complete an analytical paper. This course is designed for students interested in pursuing a college degree or other post-secondary studies. **(Level 1 Weighting)**

CVVA WORLD GEOGRAPHY**Course No: CVVA2215****Credit: 1** (Can count as one SS 11th grade credit or elective credit)**Gr. 11-12**

This semester-long course takes students on a journey around the world in which they will learn about the physical and human geography of various regions. They will study the history of each region and examine the political, economic, and cultural characteristics of the world in which we live. Students will also learn about the tools and technologies of geography such as globes, maps, charts, and global information systems. **(Level 1 Weighting)**

CVVA WORLD MYTHOLOGY AND FOLKLORE**Course No: CVVA2231005****Credit: .5****Gr. 9-12**

This course provides an overview of mythology and its relationship to ancient cultures and cultures today. The course covers the purposes and types of myths; the development of myths and mythological characters; the common elements of mythological structures; the predominant characteristics of heroes in myth; the conflicts heroes encounter, and how ancient heroes relate to heroes today. Additionally, folk tales that convey elements of culture will be discussed and compared to American folk tales. **(Level 1 Weighting)**

CVVA COMPUTER SCIENCE ELECTIVES

CVVA INTRODUCTION TO COMPUTER SCIENCE 1

Course No: CVVA4122

Credit: 1

Gr. 10-12

Computer Science and computational problem solving are fundamental skills that are useful in many career paths. This course explores these concepts through the Python programming language using a graphics platform. It is designed with interesting problems to solve that are fun and engaging. The graphical platform allows for multiple correct solutions and provides visual cues when a solution does not work. Each unit provides content for the topic to be investigated, a worked problem(s) to illustrate and let students explore the topic, a set of exercises to hone their mastery of the topic, some end-of-unit exercises that require students to use and synthesize all the topics found in that Unit, and a creative task that lets them further explore the topics in the Unit in a manner driven by their interests. **(Level 1 Weighting)**

CVVA INTRODUCTION TO COMPUTER SCIENCE 2 (SPRING SEMESTER ONLY)

Course No: CVVA4222

Credit: 1

Gr. 10-12

(Prerequisite: Successful completion of CVVA Introduction to Computer Science 1)

This course is a continuation of Introduction to Computer Science 1 and introduces more advanced Python programming.

(Level 1 Weighting)

CVVA SCIENCE ELECTIVES

CVVA ANATOMY & PHYSIOLOGY A

Course No: CVVA3053005

Credit: .5

Gr. 11-12

This course may require in-person time in a CVHS science lab. This course prepares students for post-graduation studies in a wide variety of health-science careers that require advanced study of the structure and function of the human body. Units of study include the blood and cardiovascular system, respiratory system, excretory system, and digestive system. This science course is designed for those students who may be pursuing careers in all science fields, nursing, physical therapy, occupational therapy, sports medicine, health & physical education teacher certification, or medicine may have a particular interest in this course of study. **(Prerequisite: Completion of Biology with a grade of C or higher) (Level 1 Weighting)**

CVVA BIOTECHNOLOGY

Course No: CVVA3800005

Credit: .5

Gr. 10-12

This course may require in-person time in a CVHS science lab. This course focuses on the skills and concepts commonly used in biotechnology. Students will learn about DNA and protein analysis, genetic engineering, and plant genomics. The course provides a foundation for the lab techniques and skills needed in biotechnology majors and careers. The objective of this course is to provide the students of Conestoga Valley High School with an introductory course in a growing and exciting field of biology. Students who are interested in biology, genetics, medicine, GMOs, agriculture, and/or research will benefit from this course. s a prerequisite, students need to pass biology prior to taking this class.

(Prerequisite: Successful completion of Biology) (Level 1 Weighting)

CVVA CHEMISTRY IN THE KITCHEN

Course No: CVVA3100005

Credit: .5

Gr. 10-12

Become a better cook by understanding the principles behind cooking. This course allows students to learn the chemistry behind cooking ingredients and processes. The course is designed to experiment with cooking ingredients and techniques, not to follow recipes. This course also requires students to design simple cooking experiments, complete them at home, and report on their work. Students will be required to purchase ingredients for this course. **(Level 1 Weighting)**

CVVA ENVIRONMENTAL SCIENCE

Course No: CVVA3222005

Credit: .5

Gr. 11-12

Environmental Science is an interdisciplinary course covering a wide variety of topics including biology, physics, geology, ecology, chemistry, geography, astronomy, meteorology, oceanography, and engineering. The course will investigate scientific principles, concepts, and methodologies required to understand the interrelationships in the natural world. Students will investigate how the non-living things in the environment influence the plants and animals that can be found in our world. Students will also identify and analyze environmental problems that are both natural and human-made. Special emphasis will focus on the concept of sustainability as a means of using resources in a way that ensures they will always be around us.

(Prerequisite: Successful completion of Biology) (Level 1 Weighting)

CVVA FORENSIC SCIENCE**Course No: CVVA3400005****Credit: .5****Gr. 10-12**

This course may require in-person time in a CVHS science lab. This course explores techniques used by crime scene investigators and forensic scientists that have been made popular by current TV crime shows. Topics covered include fingerprinting, ballistics, DNA, blood, fiber, hair, and handwriting analysis. You will be asked to apply the scientific process to several types of evidence and criminal cases examined in this class. Some of the cases take place virtually and others use hard evidence that is worked on in the lab. The course also explores documentaries of famous criminals to further understand the criminal mind and how forensic techniques were used to solve the crimes. This class will give students a better understanding of how the field of forensic science operates on a daily basis. **(Level 1 Weighting)**

CVVA ART ELECTIVES**CVVA ART & ACTION****Course No: CVVA8720005****Credit: .5****Gr. 9-12**

This course explores the idea of visual perception and helps you to become an intelligent observer and identify the role of the artist. It combines art history with the exploration of ideas and processes. There will be opportunities for growth in aesthetics, appreciation, personal expression as well as art-making. Students may be required to purchase and/or provide materials for projects. This course will satisfy the art graduation requirement. **(Level 1 Weighting)**

CVVA ART from the GROUND UP**Course No: CVVA8820005****Credit: .5****Gr. 10-12**

This course is designed to explore the idea that since the beginning of time humans had the impulse to appreciate and/or create art. The art created by societies both ancient and primitive civilizations, folk art, various classified untrained contemporary art display the intrinsic need for artmaking and enjoyment. Art expresses cultural identity by conveying shared community values and aesthetics. The work encompasses a range of utilitarian and decorative media. This course will explore the meaning, methods, cultural impact, location, materials, process, symbolism, the purpose of art created by these artists. Students may be required to purchase and/or provide materials for projects. This course will satisfy the art graduation requirement.

(Level 1 Weighting)**CVVA DRAWING 1****Course No: CVVA8501005****Credit: .5****Gr. 9-12**

Students learn the skills and techniques involved in the use of line and shadow. Students use a variety of media to explore many approaches to drawing, including observational drawing and drawing from imagination. History, aesthetics and criticism are integrated with studio processes. Students may be required to purchase and/or provide materials for projects. This course will satisfy the art graduation requirement. **(Level 1 Weighting)**

CVVA PAINTING 1**Course No: CVVA8502005****Credit: .5****Gr. 9-12**

Students will learn to use basic painting materials. The course provides an introduction to techniques, composition, and color theory. Students work primarily in tempera and acrylics. History, aesthetics, and criticism are integrated with studio processes. Students may be required to purchase and/or provide materials for projects. This course will satisfy the art graduation requirement. **(Level 1 Weighting)**

CVVA MUSIC ELECTIVES**CVVA AUDIO PRODUCTION 1****Course No: CVVA8207005****Credit: .5****Gr. 9-12**

Audio Production is a project-based class in which students will learn to compose music, sequence tracks, create loops, and design drum patterns using music industry-standard hardware and software. Students will use Ableton Live and Ableton Push to create music sourced from electronic and recorded material. Students will edit and mix recordings of various genres of music. Students will also learn the evolution of music technology, music technology vocabulary, along the possibilities of career options in the music technology field. This course will satisfy the music graduation requirement. **(Level 1 Weighting)**

CVVA INTRODUCTION TO MUSIC**Course No: CVVA8012005****Credit: .5****Gr. 9-12**

Students explore various components of music, the history of American popular music, and the evolution it has undergone, through a variety of activities including contemporary and historic examples. This course will satisfy the music graduation requirement. **(Level 1 Weighting)**

CVVA TECHNOLOGY EDUCATION ELECTIVES

CVVA CAD 1 (Computer-Aided Design)

Course No: CVVA7801005

Credit: .5

Gr. 9-12

This course develops knowledge and skills in technical drafting techniques in our industrial and residential environment. This includes detailed one-view drawings, three-view drawings, and pictorial drawings in isometric and oblique. Computer-Aided Drafting technology will be the focus for the majority of the course. Requirements included successful completion of a reasonable number of drafting plates in each category, each one having an increasing degree of difficulty. This course will satisfy the technology education graduation requirement. **(Level 1 Weighting)**

CVVA DIGITAL MEDIA

Course No: CVVA7915005

Credit: .5

Gr. 9-12

This course will focus on the skills and concepts commonly used in Video Production. Video production is a fast-growing field that utilizes a great deal of technology. In today's world videos are used everywhere. They are used for training, education, information, are embedded in websites, shared through email and texts, and the list goes on and on. This course is designed to expose and prepare students to better understand storytelling through a digital media platform. Students who are interested in video editing, filming, photography, digital media, storytelling, and visual arts will benefit from this course. This course will satisfy the technology education graduation requirement. **(Level 1 Weighting)**

CVVA INTRODUCTION TO ENGINEERING DESIGN

Course No: CVVA7041005

Credit: .5

Gr. 9-12

This course is appropriate for 9th or 10th grade students who are interested in design and engineering. The major focus of this course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. This course is activity-, project-, and problem-based learning at its best. Students will employ state of the art 3D solid modeling design software to help design solutions and solve proposed problems. Students will develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges that increase in difficulty throughout the course. This course will satisfy the technology education graduation requirement. **(Level 1 Weighting)**

CVVA WORLD LANGUAGE ELECTIVES

CVVA SPANISH 1

Course No: CVVA5011

Credit: 1

Gr. 9-12

This course will teach students the basic skills of listening, speaking, reading, and writing for the purpose of communication. Level 1 is the first step toward the acquisition of a basic vocabulary, an understanding of basic grammatical structures, the development of an accurate pronunciation, and an acquaintance with the people and their culture. Emphasis is on those materials, strategies, and activities that will enhance the student's ability to function in the language. Teachers will assess oral and written skills on a regular basis. **(Level 1 Weighting)**

CVVA SPANISH 2

Course No: CVVA5021

Credit: 1

Gr. 9-12

Students in the second level of a language will continue practicing the communication functions introduced in Level 1. Students will have many opportunities to practice the language in the four important skill areas of listening, speaking, reading, and writing. Spanish will be the primary language used in the classroom. Teachers will assess oral and written skills on a regular basis. Students will be expected to communicate in Spanish.

(Prerequisite: Grade of 75% or higher in HS Level 1, or 75% in 8th Grade Spanish) (Level 1 Weighting)

CVVA SPANISH 3

Course No: CVVA5031

Credit: 1

Gr. 10-12

The third level of a language is designed so that students continue to develop proficiency in all four skill areas of the language. Students will continue to increase their vocabulary and practice grammatical structures. Additionally, students will explore the literature, history, geography, and culture of the target language. In Spanish, students may study fairytales and then create their own. Emphasis is on those materials, strategies, and activities that will enhance the student's ability to function in all contexts within the language. Spanish is the primary language used in the classroom. Teachers will assess oral and written skills on a regular basis. Students will be expected to communicate in Spanish.

(Prerequisite: Grade of 75% or higher in Levels 1 and 2) (Level 1 Weighting)

CVVA FAMILY AND CONSUMER SCIENCE ELECTIVES

CVVA BASIC CULINARY ARTS

Course No: CVVA7201005

Credit: .5

Gr. 9-12

This course includes lessons in nutrition, equipment, and preparation techniques. This course introduces quick and easy foods, planning meals, and making healthy food choices. Students will be required to purchase ingredients for this course.

(Level 1 Weighting)

CVVA NUTRITION AND WELLNESS

Course No: CVVA7204005

Credit: .5

Gr. 10-12

Nutrition offers students instruction and experience in applying basic nutrition concepts. This course includes an in-depth analysis of the six essential nutrients and their application for individuals and families. Some activities include critiquing food labels and sample diets, considering economic and cultural considerations on food and wellness choices, and experimenting with foods in the lab environment. (Level 1 Weighting)

CVVA PASTRY ARTS

Course No: CVVA7202005

Credit: .5

Gr. 9-12

This course gives the student practical experience in preparing a variety of foods, which require baking. Emphasis is placed on correct procedures, proper use of equipment, consumer information, safety, and sanitation. Students will be required to purchase ingredients for this course. (Level 1 Weighting)

CVVA BUSINESS EDUCATION ELECTIVES

CVVA CYBERSECURITY

Credit: .5

Gr. 9-12

In this online Cybersecurity course, students learn about the practice of protecting networks, systems, and programs from digital attacks while better understanding the aim of these attacks, such as destroying information, extorting money and resources, or disrupting business operations. Students learn about the challenges and opportunities that implementing cybersecurity measures can present. As attackers become more innovative, it is more important than ever to have effective cybersecurity channels in place to counter them. Countermeasures and role recovery and their integral function in the cybersecurity realm will be addressed. Additionally, students learn what makes certain networks and systems more vulnerable to attacks and become adept at identifying potential viruses, worms, threats, and malware. This Cybersecurity course acts as a foundation on which to build extensive knowledge about threats to digital security. This course is especially valuable for students interested in the following career clusters: Government & Public Administration; Information Technology; Law, Public Safety, Corrections & Security. (Level 1 Weighting)

CVVA SOCIAL MEDIA BUSINESS MARKETING

Credit: .5

Gr. 9-12

Whether it's posting pictures, videos, or interacting in the metaverse, today's students who aspire to apply their social media skills to business marketing must be prepared. This course on Social Media Business Marketing provides students with the foundational knowledge of social media technology and marketing principles. The course begins with an introduction to social media platforms and then goes in depth into the marketing and advertising strategies used to support a company's social media strategy and campaigns. Through activities and projects, students gain firsthand knowledge of this exciting field. This course also prepares students for the Social Media Strategist Certification. This course is especially valuable for students interested in the following career clusters: Arts, A/V Technology & Communications; Hospitality & Tourism; Marketing. (Level 1 Weighting)

DRIVER'S EDUCATION PROGRAM

VIRTUAL DRIVE ONLINE COURSE (\$)

Virtual Drive is a new online course component in the driver education program. Virtual Drive is a Pennsylvania state-approved, 30-hour, online course recognized by most insurance companies qualifying teen drivers for a reduction in auto insurance Premiums. This program works in conjunction with Behind-the-Wheel driving instruction. Enrollment takes place during designated periods in the fall, winter, and spring and is open to CV students no sooner than 3 months before their 16th birthday. Details are available in the Attendance Office.

BEHIND-THE-WHEEL DRIVING INSTRUCTION (\$)

CVHS offers optional behind-the-wheel (BTW) driving instruction for students who have obtained their permits. This course consists of six (6) one-hour driving lessons and is arranged by appointment with certified driver education instructors. Appointments and paperwork for BTW are available through the attendance office. There is a \$200 fee for BTW. Students who qualify for the free or reduced lunch programs are eligible for discounted rates. Please note this is not a course offered for credit.