OSWAYO VALLEY HIGH SCHOOL



Course Directory

"Home of the Green Wave"

ACADEMICS

Planning a program of study for successful completion of graduation requirements should involve careful consideration by the student and parents and should be made on the basis of a student's interest, abilities, and career goals. Students should work closely with the guidance department, school administration and parents to select course. Prior successes, failures, special individual interests, aptitude and future career plans should be considered when choosing courses. When available, students enroll in courses via the Student/Parent Portals. Some instructional areas such as art, music, family and consumer sciences, and technical education require the use of materials which are to be purchased by the student.

Graduation Requirements

To graduate from Oswayo Valley Middle School/High School, a student must successfully complete the requirements of their individualized educational program and/or the following:

a. CREDIT REQUIREMENTS

1. A high school diploma will be presented to students meeting the following (minimum) course credit requirements:

• English: 4 credits (to include grade level ELA)

• Social Studies: 3 credits (to include US History, Government & Economics, and World History)

• Math: 3 credits (to include Algebra and Geometry)

• Science: 3 credits (to include Chemistry and Biology)

- Physical Education/Health: (2 credits)
- Electives: (9 credits)

Total: Equal or exceed 24 Credits

2. Non-credit course requirements

a. **Careers**. In fulfillment of Pennsylvania Career Readiness Standards students must complete a non-credit, P/F "Careers" course. Teachers will incorporate career-oriented activities into the regular curriculum. Beginning with their Freshman year, students will archive artifacts from stand-alone tasks that satisfy the four reporting categories of the state standards: #1 Career Readiness and Preparation; #2 Career Acquisition; #3 Career Retention and Advancement; and #4 Entrepreneurship. A faculty/staff mentor will guide students through the online course, culminating in successful submissions by the end of the Junior year.

b. **Work-Based Learning Experience** (WBLE). WBLE "provides an opportunity for students to reinforce their classroom learning, explore future career fields, and demonstrate their skills in a real-world setting" (PA Dept of Ed). By the end of their Senior year, students must complete and document one of the following WBLE: Job Shadowing; Internships or Practicums; Cooperative Education Programs; Career Mentoring; Apprenticeship. Specific information and guidelines for these will be provided to the student.

3. Once students make their course requests for the upcoming school year, they may access them via the Student Portal during the summer. Requests for changes will be considered prior to the start of the school year based on the availability in the master schedule. Once the add/drop window closes, student schedules will be final.

4. Dual Enrollment courses enables a student to earn both a high school and college credit for work completed at Oswayo Valley. Tuition will be assessed and must be paid to the college prior to starting the college portion of the class.

b. STATE "PATHWAYS" TO GRADUATION. In accordance with Pennsylvania Dept of Education guidelines, students must complete one of the following 'pathways' for graduation:

1. **Keystone Proficiency**. Score 'Proficient' or 'Advanced" on Keystone Exams (Algebra, Biology, Literature)

2. **Keystone Composite**. Earn a satisfactory composite score (2939) on two of the Keystone Exams (neither of which may be Below Basic and at least one of which must be Proficient or better)

3. Alternate Assessment Pathway. Successful completion of an Oswayo Valley High School Keystone course (Algebra, Biology, Literature) on which the student did not achieve proficiency and one of the following:

a. Attainment of an established score on an approved alternate assessment (SAT, PSAT, ACT, ASVAB)

b. Attainment of an established score on an Advance Placement Program in an academic content area associated with each Keystone Exam on which a student did not achieve at least a proficient score

c. Successful completion of a concurrent enrollment course in an academic content area associated with each Keystone Exam in which the student did not achieve at least a proficient score

d. Successful completion of a pre-apprenticeship program or acceptance into an accredited 4-year nonprofit institution of higher education and the evidence of the ability to enroll in college-level coursework

4. **Evidence Based Pathway**. Successful completion of an Oswayo Valley High School Keystone course (Algebra, Biology, Literature) on which the student did not achieve proficiency and demonstration of three pieces of evidence consistent with the student's goals an career plans, including

a. One of the following: Attainment of an established score on an SAT subject test or Advanced Placement Program Exam; Acceptance to an accredited nonprofit institution of higher education other than a 4-year institution; Attainment of an industry-recognized credential; Successful completion of a concurrent enrollment or postsecondary course

b. Two additional pieces of evidence, including one or more of the options listed above; satisfactory completion of a service-learning project; attainment of a score of proficient or advanced on a Keystone Exam; a letter guaranteeing full-time employment; a certificate of successful completion of an internship or cooperative education program; or satisfactory compliance with the NCAA's core courses for college-bound student athletes with a minimum GPA of 2.0

5. **CTE Pathway**. For Career and Technical Education (CTE) students, successful completion of an Oswayo Valley High School Keystone course (Algebra, Biology, Literature) on which the student did not achieve proficiency and attainment of an industry-based competency certification related to the CTE student's program of study or demonstration of a high likelihood of success on an approved industry-based competency assessment or readiness for continued meaningful engagement in the CTE Concentrator's program of study.

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DEPARTMENT: Language Arts

Course Name: ELA 9 Course #: 1911
<u># Credits:</u> 1.0 <u>Grade(s):</u> \square 09 \square 10 \square 11 \square 12 <u>Course Length:</u> 36 Weeks (1 Year
Is College Credit Available for this Course? Yes Xo If Yes Xo If Yes Xo If Yes Xo
Prerequisite(s): ELA 8
Course Description: "English 9" follows Grades 9/10 ELA PA Core Standards for Reading Informational Texts (1.2) and
Literary Texts, including poetry and drama (1.3); Writing Informational, Persuasive, and Argumentative modes (1.4); and Speaking and Listening (1.5). Building on 8th grade work, the writing strand of the course begins with review of language basics: parts of speech and sentence structure (1.4 E, F, K, L, Q, R). Students progress to a review of paragraph writing with clear topic sentences, including the skill of composing evidence-based constructed responses to open-ended questions (1.4 S). Next are short essays, both response- and research-based (1.4 A – D, G- J, M-P, U - W). Students use a revision-based writing process throughout the year (1.4 T, X). The reading strand involves learning and using literary terminology for analysi of key ideas/details (1.2/1.3 A – C) and craft/structure (1.2/1.3 D – F). Students analyze both informational and literary text for argument, theme, idea development and sources, and genre and period (1.2 G-I; 1.3 G, H). Students will use strategie for comprehension and for vocabulary acquisition (1.2 I – K, 1.3 I, J) and will read a spectrum of informational and literary text independently (1.2/1.3 K, L). In addition, students are expected to participate in class discussion using appropriate Standard English (1.5 A, E, G), listen analytically to presentations (1.5 B, C) and make at least one research-based presentation 1.5 D E).
<u>Frequency of Course Offering:</u> This course is offeredevery school year.
Textbook(s) Used: Prentice Hall Literature Gold Level
<u>Course Name:</u> ELA 10 <u>Course #:</u> 1011
<u># Credits:</u> 1.0 <u>Grade(s):</u> 09 10 11 12 <u>Course Length:</u> 36 Weeks (1 Year
Is College Credit Available for this Course? Yes No If "Yes", Which College/University? N/
Prerequisite(s): English 9
<u>Course Description</u> : Sophomore English Language Arts builds upon the 9th grade year. Throughout the 10th grade ELA course, students continue to focus on organizing and transitioning their essays. Furthermore, writing and grammar are included within the literature in order to enable students to approach them in a realistic manner. Within the literature units students explore similar themes, relate ideas presented in the classroom to the real world, complete various projects, and perform several writing types, including narrative, informative, and persuasive. Literature, including the genres of short story poetry, drama, novel, and nonfiction, are used as background for the written and oral portions of the course. In addition to the essay writing and the literature units, students also are required to complete a thesis paper, as part of the class requirements. Proper grammar, spelling and punctuation will be emphasized in all activities.
**This course results in the administration of the Keystone Literature Exam in the Spring. This exam is a graduation
requirement starting with the class of 2019.
Frequency of Course Offering: This course is offeredevery school year.
Textbook(s) Used: Prentice Hall Literature
Course Name: Practical English Course #: 111
<u># Credits:</u> 1.0 <u>Grade(s):</u> 09 10 11 12 <u>Course Length:</u> 36 Weeks (1 Year
Is College Credit Available for this Course? Yes No If "Yes", Which College/University? N/
Prerequisite(s): English 10
<u>Course Description</u> : Practical English builds on ELA skills from the 10th grade year and incorporates concepts of course previously offered as ELA 11 and ELA12. Intended as an alternative to the lege-level ELA courses, thi rse presents student with both reading and writing activities. The literature component, including so stories, poetry, drama, novels, and nonfiction pieces, are used as platforms of discover modern day applications and universal themes. The writing component, with an

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emphasis on classroom to workforce skills, engages the student in essay writing, peer critiques, research, and discussion. <u>Frequency of Course Offering:</u> This course is offeredevery school year.

Textbook(s) Used: Prentice Hall Literature: Timeless Voices, Timeless Themes (The American Experience)

Course Name: College Englis	h Composition ((DE)		<u>Course #:</u> 1221
<u># Credits:</u> 1.0	<u>Grade(s):</u> 09]10 ⊠11	⊠12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for this	Course? Xes	□No		If "Yes", Which College/University? Pitt-Bradford
Prerequisite(s): English 10 and at	<mark>: least a "B" cumulati</mark>	<mark>ve average i</mark>	n Englis	h(grades 9-10)
argument. Throughout this cours ideas to real-world applications. required on a weekly basis in orde and write a literary response pape	e, students will be re Grammar, punctuat er to build quality writi er, incorporating quot	equired to wi tion, current ng. In additionted evidence	rite essa event p on to the to conn	t writing through research, analysis, grammar, and ays, peer edit, revise submitted work, and connect presentations, and paragraph submissions will be ese requirements, students will read a classic novel nect its universal theme to current social or political rrently the cost is \$125, but is subject to change.
Frequency of Course Offering: Co	urse will be offered 2	2 <mark>3-24</mark>		
Textbook(s) Used:				

Course Name: College Englis	h Literature (D)E)			<u>Course #:</u> 1222
<u># Credits:</u> 1.0	<u>Grade(s):</u> 09	1 0	⊠11	⊠12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for this	Course? Xes		D		If "Yes", Which College/University? Pitt-Bradford
Prerequisite(s): English 10 and a	t least a "B" cumula	ative av	<mark>erage ir</mark>	<mark>n Englis</mark>	<mark>h (grades 9-10)</mark>

<u>Course Description</u>: Students will focus on literature in order to build a better understanding of characterization, plot structure, poetry, suspense techniques, and figurative language. A combination of essays, short stories and poems will provide students the opportunity to compare themes across genres. Writing assignments, graded discussions, memorization, dramatic monologues, and extemporaneous speeches will enable students to build better communication and analytical skills. There is a cost to take the class in order to earn college credit. Currently the cost is \$125, but is subject to change.

Frequency of Course Offering: Course will be offered 23-24

Textbook(s) Used:

DEPARTMENT: Foreign Language

Online Offerings:

Course Name: French I						<u>Course #:</u> 3921
<u># Credits:</u> 1.0	<u>Grade(s):</u>	⊠09	⊠10	⊠11	⊠12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for	this Course?	□Yes	⊠No	D		If "Yes", Which College/University? N/A
Prerequisite(s): None						
French. Class discussions pr Recording Tool that enables s	ovide an opport tudents to learn ugh practical co	tunity fo a critica mmunio	or discou al skill fo cations (urse on or Frenc exchan	specific h: listeni ges, Frei	d sequence that covers the essential concepts of topics in French. A key support tool is the Audio ng and speaking. Beginning with learning personal nch 1B introduces students to the skills necessary line)
Frequency of Course Offering	<u>ı:</u> This course is	offered	levery s	chool y	ear.	
Textbook(s) Used: Edmentur	n Online		-			
Course Name: French II						<u>Course #:</u> 3922
# Credits: 1.0	Grade(s):	□09	⊠10	⊠11	⊠12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for					_	If "Yes", Which College/University? N/A
Prerequisite(s): French I						
Unit pretests, post-tests, and	end-of-semeste ence. As with F reness and sen <u>r</u> This course is	er tests i rench 1 nsitivity.	dentify s I, these (Edme	strength 90-day ntum O	ns and w courses nline)	ting interactive activities to fully engage learners. eaknesses, helping to create a more personalized s emphasize practical communication skills while
Course Name: German I						<u>Course #:</u> 3931
<u># Credits:</u> 1.0	<u>Grade(s):</u>	⊠09	⊠10	⊠11	⊠12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for	this Course?	□Yes	⊠No	D		If "Yes", Which College/University? N/A
Prerequisite(s): None						
a meaningful context that e grammatical concepts without	ncourages lear ut over reliance nal information. ghout the cours <u>I:</u> This course is	rners to e on gra . Germa se. (Edn	o think ammatio an 1B co nentum	in the cal ana onsists Online)	target la lysis. Ge of five u	n 1 A and B address two primary issues: providing anguage as much as possible; and introducing erman 1A focuses on communicating basic and nits over about 14 weeks, with an emphasis on a
Course Name: German II						<u>Course #:</u> 3932
<u># Credits:</u> 1.0	Grade(s):	09	⊠10	⊠11	⊠12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for						If "Yes", Which College/University? N/A

<u>Course Description</u>: According to The Economist and the Census Bureau, German-American is America's largest single ethnic group, with over 46 million Americans claiming German Ancestry. German 2 A and B tap into learners' latent interest in their cultural past, present, and future. These courses employ direct instruction approaches, including application of the target language through activities. Each unit in the course includes a predefined discussion topic. These discussions provide an opportunity for discourse on specific topics in German. (Edmentum Online)

Frequency of Course Offering: This course is offeredevery school year.

Prerequisite(s): German I

Textbook(s) Used: Edmentum Online

Course Name: Spanish I

Course Name: Spanish I					<u>Course #:</u> 3911
<u># Credits:</u> 1.0	<u>Grade(s):</u>	⊠10	⊠11	⊠12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for thi	is Course? Yes		0		If "Yes" Which College/University? N/A

Prerequisite(s): German I

Course Description: Learning a new language is a multi-faceted experience in which you are introduced to a whole new set of words and ways of expressing yourself with words, along with new cultures formed by people who have been speaking that language for centuries. The Spanish-speaking world is vast and rich, spanning Spain in the Iberian Peninsula and many parts of North, Central, and South America, all with varied ethnic and political histories and cultures. In Spanish 1A, students will be introduced to several common situations in which people communicate, such as exchanging names and greetings, describing people by physical and personality traits, and describing family members and aspects of social life. Students will start with basic sentence structures and grammatical tools, and they will learn to communicate by listening, speaking, reading, and writing in Spanish as they learn new vocabulary and grammar. They will also learn about some regions of the Spanish-speaking world that the central characters of each unit are visiting. In Spanish 1B, students will be introduced to several common situations in which people describe how to earn, save, and manage money, modes of urban transportation, various seasons and the associated weather conditions, food, clothes, and activities. (Edmentum Online)

Frequency of Course Offering: This course is offeredevery school year.

Textbook(s) Used: Edmentum Online

<u>Course Name:</u> Spanish II					<u>Course #:</u> 3912
<u># Credits:</u> 1.0	<u>Grade(s):</u> 09	⊠10	⊠11	⊠12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for this	<u>s Course?</u> [Yes	ΜN	0		If "Yes", Which College/University? N/A

Prerequisite(s): German I

Course Description: Spanish 2A and B utilize three assessment tools that are designed specifically to address communication using the target language: Lesson Activities, Unit Activities, and Discussions, These tools help ensure language and concept mastery as students grow in their understanding and use of Spanish. Learning games specifically designed for language learning are used and can be accessed on a wide variety of devices. (Edmentum Online)

Frequency of Course Offering: This course is offeredevery school year.

Textbook(s) Used: Edmentum Online

DEPARTMENT: Mathematics

Course Name: Pre-Algebra

Credits: 1.0

<u>Is College Credit Available for this Course?</u> **Yes No** Prerequisite(s): 8th Grade Math or Teacher recommendation

<u>Course Description</u>: The Pre-Algebra class is designed to enhance the student's knowledge of mathematics as developed in Eighth Grade Math and to prepare the students for the math concepts and topics that will be taught in Algebra I. Topics covered will include expressions, equations and functions; order of operations; properties; operations with rational numbers; ratios and proportions; polynomials; factoring; graphing functions; solving and graphing linear equations; inequalities; probability and statistics; and box-and-whisker plots.

Frequency of Course Offering: This course is offeredevery school year.

Textbook(s) Used: Algebra 1 – McDougall Littel

Course Name: Algebra I

<u># Credits:</u> 1.0	<u>Grade(s):</u> X09	⊠10 🗌]11 □ 12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for this	Course? Yes	s ⊠No		If "Yes", Which College/University? N/A
Prerequisite(s): For student enter	ring grade 10: Pre	-Algebra.	For student entering	grade 9: Student must meet three of the
four prerequisite criteria; 1.) Pro/A	Adv on 8 th grade E	LA PSSA 2	2.) Pro/Adv on 8 th gra	de Math PSSA 3.) Earn a yearly average

of 90% or higher in Math 8 4.) Teacher recommendation.

<u>Course Description</u>: The Algebra 1 class is designed to enhance the student's knowledge of mathematics as developed in Eighth Grade Math and/or Pre-Algebra to prepare the students for the math concepts that are tested on the Algebra 1 Keystone Exam. Topics covered will include operations with real numbers and expressions, linear equations and inequalities, functions and coordinate geometry, and data analysis.

Frequency of Course Offering: This course is offeredevery school year.

Textbook(s) Used: Algebra 1 - A.C.E. - Houghton, Mifflin, Horcourt

Course Name: Geometry					<u>Course #:</u> 2042
<u># Credits:</u> 1.0	<u>Grade(s):</u> ⊠09	⊠10	⊠11	12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for this	Course? Yes	⊠No	b		If "Yes", Which College/University? N/A

<u>Prerequisite(s)</u>: Algebra 1 with Teacher recommendation

<u>Course Description</u>: This course is designed to introduce students to inductive and deductive reasoning and logic. Additional topics to be covered include basic geometric concepts and constructions, problem solving, analytic geometry, algebra, trigonometry, circles and three dimensional figures.

Frequency of Course Offering: This course is offeredevery school year.

Textbook(s) Used: Geometry – McDougal Littell

Course Name: Algebra II (DE)

# Credits: 1.0	<u>Grade(s):</u>	09	⊠10	⊠11	⊠12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for this	Course?	⊠Yes	No)		If "Yes", Which College/University? Pitt-Bradford

<u>Prerequisite(s)</u>: 10 grade entry only upon teacher recommendation.

<u>Course Description</u>: The topics covered in college Algebra II are functions - linear, radical, quadratic, exponential, and logarithmic-and their graphs, rational expressions, linear and compound inequalities, rational exponents, solving systems of linear equations, and solving quadratic equations. There is a cost to take the class in order to earn college credit. Currently the cost is \$125, but is subject to change.

Frequency of Course Offering: This course is offeredevery school year.

Textbook(s) Used:

<u>Course #:</u> 2911 <u>Course Length:</u> 36 Weeks (1 Year) <u>If "Yes", Which College/University?</u> N/A

Course #: 2900

Course #: 2122

Course Name: Pre-Calculu	s (DE)			<u>Course #:</u> 2211			
<u># Credits:</u> 1.0	<u>Grade(s):</u> 09	□10 ⊠11	⊠12	Course Length: 36 Weeks (1 Year)			
Is College Credit Available for	this Course? Xes	⊠No	<u>If "</u>	Yes", Which College/University? Pitt-Bradford			
Prerequisite(s): Algebra II with teacher recommendation.							
<u>Course Description</u> : This course is designed to develop the skills needed to succeed in a college level mathematics course.							

The material is presented analytically, graphically, and algebraically. The use of graphing calculators is used to visualize and explore various topics covered. Topics covered include functions and their inversed, applications of exponential and logarithmic functions, and trigonometry, including trigonometric graphs, identities, and equations. Sequence, series, and limits are introduced. This college course is worth 4 college credits. The college description is: the topics include intermediate algebra, functions and graphs, polynomial functions, rathional functions, inverse functions, logarithmic and exponential functions, and trigonometry. Currently the cost is \$125, but is subject to change. Student does not have to take Pre-Calc for college credit.

Frequency of Course Offering: This course is offeredevery school year.

Textbook(s) Used: Pre-Calculus with Limits

Course Name: Calculus (DE)					<u>Course #:</u> 2213
<u># Credits:</u> 1.0	<u>Grade(s):</u> 09	10	_11	⊠12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for this	Course? Xes	□No		<u> </u>	If "Yes", Which College/University? Pitt-Bradford

Prerequisite(s): Teacher recommendation

<u>Course Description</u>: We will study limits, continuity, the derivative and integral of functions of a single variable and their applications. It is recommended that each student have their own scientific calculator. There is a cost to take the class in order to earn college credit. Currently the cost is \$125, but is subject to change. Student does not have to take Calculus for college credit.

Frequency of Course Offering: This course is offeredevery school year.

Textbook(s) Used: University of Pittsburgh at Bradford Calculus Textbook

Course Name: Personal Finance

<u># Credits:</u> 1.0	<u>Grade(s):</u> 09	□10 □11	⊠12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for this	Course? Yes	⊠No		If "Yes", Which College/University? N/A
	1			

Prerequisite(s): Algebra 1 or teacher recommendation.

<u>Course Description</u>: Integrated Math I offers a review of algebraic and geometric skills as they apply to real world problems. Students will explore linear algebra, triangle trigonometry, basic number theory, and real-life problem solving. Graphing technology is used in this course.

Frequency of Course Offering: This course is offeredevery school year.

Textbook(s) Used: Math Matters 2

Course Name: Statistics (DE))				<u>Course #:</u> 2220
<u># Credits:</u> 1.0	<u>Grade(s):</u> 09	⊠10	⊠11	⊠12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for this	Course? Xes		0		If "Yes", Which College/University? Pitt-Bradford

Prerequisite(s): Algebra 2 or currently taking Algebra 2 as well as Teacher recommendation

<u>Course Description</u>: Statistics is a course that will prepare students to take a college level statistics class. This is a math elective, but seniors may take this class for their senior math credit. Topics covered in this class will be: Frequency distributions, Measures of Variation, Probability, Discrete Probability Distribution, Normal Probablility Distributions, Confidence Intervals, Hypothesis Testing, and Correlation and Regression. This course is worth 4 college credits. The college description is: This is an introductory statistics course and covers methods of summarizing data, descriptive statistics, probability and probability distributions, sampling distributions, the central limit theorem, hypothesis testing, analysis of variance, and regression analysis. Mathematical derivations and formulas are stressed. Currently the cost is \$125, but is subject to change. Student does not have to take Statistics for college credit.

<u>Frequency of Course Offering:</u> This course is offeredevery other school year. **This course offered 23-24.** <u>Textbook(s) Used</u>: <u>Elementary Statistics</u>, <u>Picturing the World</u> 6

Course #: 2111

Course Name: Trigonometry					<u>Course #:</u> 2002
<u># Credits:</u> 1.0	<u>Grade(s):</u> 09	⊠10	⊠11	⊠12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for this	<u>Course?</u> Yes	N	0		If "Yes", Which College/University? N/A
Prerequisite(s): Algebra 2 or curre	ently taking Algebra	a 2 as v	vell as T	Feacher	recommendation
high school and college. This is a	a math elective, but	t senior	rs may t	take this	or success in higher-level mathematics classes in class for their senior math credit. It will also help nis class will include: Right Triangle Trigonometry,

Law of Sines, Law of Cosines, Graphing Trigonometric Functions, Polar Coordinates, and Applications.

Frequency of Course Offering: This course is offeredevery other school year. This course offered 24-25

Textbook(s) Used: Elementary Statistics

DEPARTMENT: Science

<u>Course Name:</u> Chemistry						<u>Course #:</u> 4172
<u># Credits:</u> 1.0	<u>Grade(s):</u>	⊠09	1 0	11	12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for th	his Course?	Yes	⊠Nc)		If "Yes", Which College/University? N/A
Prerequisite(s):						
	s, atomic theory	, beha	avior of	electror	ns, periodic trend	of matter and the changes it undergoes. ds, the mole, chemical bonding, chemical ents.
Frequency of Course Offering:	This course is c	offered	every s	chool ye	ear.	
Textbook(s) Used: Pearson Ch	<u>nemistry (Found</u>	dation	<u>Edition)</u>	, Pearso	on, 2012	
<u>Course Name:</u> Biology I						<u>Course #:</u> 4911
<u># Credits:</u> 1.0	<u>Grade(s):</u> [09	⊠10	11	12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for th	his Course?	Yes	⊠Nc)		If "Yes", Which College/University? N/A
Prerequisite(s): Students must on 8th grade PSSA ELA exam,						h grade PSSA Science exam, 2. Pro/Adv ner Recommendation
Pennsylvania Keystone Standa	rds. The curric NA, RNA, and	ulum i	ncludes	units ir	n basic biologica	he common ten units of study for the Il principles, biochemistry, bio-energetics, eproduction, patterns of inheritance, bio-
•	•••	e Kevs	tone Bio	oloav Ex	kam in the Spring	g. This exam is a graduation requirement.
Frequency of Course Offering:		-		0,		5 5 1
Textbook(s) Used: Modern Bio			,	,		
		-				
Course Name: Physics						<u>Course #:</u> 4212
<u>course maine.</u> I hysics		_			⊠12	Course Longth, 26 Weeks (1 Veer)
<u># Credits:</u> 1.0	<u>Grade(s):</u> [09	10	⊠11		Course Length: 36 Weeks (1 Year)
-						If "Yes", Which College/University? N/A
<u># Credits:</u> 1.0	his Course?					
<u># Credits:</u> 1.0 <u>Is College Credit Available for the Prerequisite(s)</u> : Biology and Ale <u>Course Description</u> : Physics is	his Course? [gebra II s the study of r s, Simple Mac	Yes matter	and en Heat,	ergy an	id how they inte	
<u># Credits:</u> 1.0 <u>Is College Credit Available for the Prerequisite(s)</u> : Biology and Alg. <u>Course Description</u> : Physics is Motion, Circular Motion, Force	his Course? gebra II s the study of r s, Simple Mac vith laboratory e	Yes matter chines, experir	and en Heat, ments.	ergy an Waves,	nd how they inte Sound, Light, a	If "Yes", Which College/University? N/A aract. Topics explored will include: Linear
<u># Credits:</u> 1.0 <u>Is College Credit Available for the Prerequisite(s)</u> : Biology and Ale <u>Course Description</u> : Physics is Motion, Circular Motion, Force material will be supplemented with the suppl	his Course? [gebra II s the study of r s, Simple Mac vith laboratory e This course is c	Yes matter chines, experir offered	and en Heat, ments. every s	ergy an Waves, chool ye	nd how they inte Sound, Light, a	If "Yes", Which College/University? N/A aract. Topics explored will include: Linear
<u># Credits:</u> 1.0 <u>Is College Credit Available for the Prerequisite(s)</u> : Biology and Ale <u>Course Description</u> : Physics is Motion, Circular Motion, Force material will be supplemented w <u>Frequency of Course Offering:</u> <u>Textbook(s) Used</u> : Foundations	his Course? [gebra II s the study of r s, Simple Mac vith laboratory e This course is c	Yes matter chines, experir offered	and en Heat, ments. every s	ergy an Waves, chool ye	nd how they inte Sound, Light, a	If "Yes", Which College/University? N/A pract. Topics explored will include: Linear and Electricity and Magnetism. The text
<u># Credits:</u> 1.0 <u>Is College Credit Available for th</u> <u>Prerequisite(s)</u> : Biology and Alg <u>Course Description</u> : Physics is Motion, Circular Motion, Force material will be supplemented w <u>Frequency of Course Offering</u> : <u>Textbook(s) Used</u> : Foundations <u>Course Name</u> : Biology II	his Course? [gebra II s the study of r s, Simple Mac vith laboratory e This course is c <u>s of Physics.</u> C	Yes matter chines, experir offered CPO So	and en Heat, nents. every s <u>cience, :</u>	ergy an Waves, chool ye 2004	nd how they inte Sound, Light, a ear.	If "Yes", Which College/University? N/A eract. Topics explored will include: Linear and Electricity and Magnetism. The text <u>Course #:</u> 4211
<u># Credits:</u> 1.0 <u>Is College Credit Available for the Prerequisite(s)</u> : Biology and Ale <u>Course Description</u> : Physics is Motion, Circular Motion, Force material will be supplemented w <u>Frequency of Course Offering:</u> Textbook(s) Used: Foundations <u>Course Name:</u> Biology II <u># Credits:</u> 1.0	his Course? [gebra II s the study of r s, Simple Mac vith laboratory of This course is c <u>s of Physics. C</u> <u>Grade(s):</u> [Yes matter chines, experir offered <u>CPO So</u>	and en Heat, ments. every s <u>cience, 1</u>	ergy ar Waves, chool ye <u>2004</u> ⊠11	nd how they inte Sound, Light, a	If "Yes", Which College/University? N/A eract. Topics explored will include: Linear and Electricity and Magnetism. The text <u>Course #:</u> 4211 <u>Course Length:</u> 36 Weeks (1 Year)
<u># Credits:</u> 1.0 <u>Is College Credit Available for th</u> <u>Prerequisite(s)</u> : Biology and Alg <u>Course Description</u> : Physics is Motion, Circular Motion, Force material will be supplemented w <u>Frequency of Course Offering:</u> <u>Textbook(s) Used</u> : Foundations <u>Course Name:</u> Biology II <u># Credits:</u> 1.0 Is College Credit Available for the	his Course? [gebra II s the study of r s, Simple Mac vith laboratory e This course is c <u>s of Physics. C</u> <u>Grade(s):</u> [his Course? [Yes matter chines, experir offered <u>CPO So</u>	and en Heat, nents. every s <u>cience, :</u>	ergy ar Waves, chool ye <u>2004</u> ⊠11	nd how they inte Sound, Light, a ear.	If "Yes", Which College/University? N/A eract. Topics explored will include: Linear and Electricity and Magnetism. The text <u>Course #:</u> 4211
<u># Credits:</u> 1.0 <u>Is College Credit Available for th</u> <u>Prerequisite(s)</u> : Biology and Alg <u>Course Description</u> : Physics is Motion, Circular Motion, Force material will be supplemented w <u>Frequency of Course Offering</u> : <u>Textbook(s) Used</u> : Foundations <u>Course Name</u> : Biology II <u># Credits</u> : 1.0 <u>Is College Credit Available for th</u> <u>Prerequisite(s)</u> : Biology I and C <u>Course Description</u> : The biolog	his Course? [gebra II s the study of r is, Simple Mac vith laboratory e This course is o <u>Grade(s):</u> [<u>his Course?</u> [Chemistry	Yes matter chines, experir offered <u>PO So</u> 09 198	and en Heat, nents. every s cience, : □10 ⊠Nc	ergy an Waves, chool ye <u>2004</u> ∑11	nd how they inte Sound, Light, a ear. ⊠ 12	If "Yes", Which College/University? N/A eract. Topics explored will include: Linear and Electricity and Magnetism. The text <u>Course #:</u> 4211 <u>Course Length:</u> 36 Weeks (1 Year)
<u># Credits:</u> 1.0 <u>Is College Credit Available for th</u> <u>Prerequisite(s)</u> : Biology and Alg <u>Course Description</u> : Physics is Motion, Circular Motion, Force material will be supplemented w <u>Frequency of Course Offering</u> : <u>Textbook(s) Used</u> : Foundations <u>Course Name</u> : Biology II <u># Credits</u> : 1.0 <u>Is College Credit Available for th</u> <u>Prerequisite(s)</u> : Biology I and C <u>Course Description</u> : The biolog anatomy and physiology	his Course? [gebra II s the study of r s, Simple Mac vith laboratory of This course is c <u>Grade(s):</u> [his Course? [Chemistry y sequence co	Yes matter chines, experir offered <u>PO So</u> 109 Yes wers b	and en Heat, ments. every s <u>cience,</u> 10 0 10 0 10	ergy an Waves, chool ye 2004 ∑11 y any, ba	nd how they inte Sound, Light, a ear. ⊠ 12 cteriology, virolo	If "Yes", Which College/University? N/A eract. Topics explored will include: Linear and Electricity and Magnetism. The text <u>Course #:</u> 4211 <u>Course Length:</u> 36 Weeks (1 Year) If "Yes", Which College/University? N/A
<u># Credits:</u> 1.0 <u>Is College Credit Available for the Prerequisite(s)</u> : Biology and Ale <u>Course Description</u> : Physics is Motion, Circular Motion, Force material will be supplemented w <u>Frequency of Course Offering:</u> Textbook(s) Used: Foundations <u>Course Name:</u> Biology II <u># Credits:</u> 1.0 <u>Is College Credit Available for the Prerequisite(s)</u> : Biology I and C <u>Course Description</u> : The biology	his Course? [gebra II s the study of r is, Simple Mac vith laboratory e This course is c <u>Grade(s):</u> [his Course? [Chemistry by sequence co This course is c	Yes matter chines, experir offered <u>PO Sc</u> 09 1Yes wers b	and en Heat, ments. every s <u>cience,</u> 10 0 10 0 10	ergy an Waves, chool ye 2004 ∑11 y any, ba	nd how they inte Sound, Light, a ear. ⊠ 12 cteriology, virolo	If "Yes", Which College/University? N/A eract. Topics explored will include: Linear and Electricity and Magnetism. The text <u>Course #:</u> 4211 <u>Course Length:</u> 36 Weeks (1 Year) If "Yes", Which College/University? N/A

Course Name: Concepts of E	Siology (DF)				<u>Course #:</u> 4213
# Credits: 1.0	Grade(s):		0 🖂 11	⊠12	<u>Course Length:</u> 36 Weeks (1 Year)
Is College Credit Available for thi			No		If "Yes", Which College/University? Pitt-Bradford
Prerequisite(s): Biology I, Chemi					
as a dual enrollment course throu teacher approval and maintainin concepts providing students with class in order to earn college cre	gh the Universit g a "B" or bette a good unders dit. Currently th	y of Pittsl er averag standing le cost is	burgh. Se e in the p of how b \$125, bu	eniors ma prerequis iology re t is subje	
Frequency of Course Offering: TI	his course is offe	eredever	y other so	chool yea	ar. This course offered 24-25.
Textbook(s) Used: Cambell, Ne Pearson/Benjamin Cummings. A					l. (2004). Essential Biology, 4/e, San Francisco: tific American.
Course Name: Anatomy and	Physiology				<u>Course #:</u> 4001
<u># Credits:</u> 1.0	<u>Grade(s):</u>	09 🗌 1	0 🛛 11	⊠12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for thi	s Course?	res 🛛	No		If "Yes", Which College/University? N/A
Prerequisite(s):					
students who have had little or no and function is based. In this cou following organ systems are co	o previous study rse, students ar overed: integum vith basic termin	y of the b e introdu nentary, s ology, mi	ody or th ced to ba skeletal, icroscopy	e physica sic chen muscula v, animal	hysiology courses. This first course is designed for al and chemical principles on which body structure histry and physics, cytology, and histology, and the r, cardiovascular, immune, and respiratory. The dissection, organ dissection, and experimentation. ar. This course offered 23-24.
<u>Course Name:</u> Environmenta	al Science				<u>Course #:</u> 4011
# Credits: 1.0	Grade(s):	09 🗌 1	0 🖂 11	⊠12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for thi			No		If "Yes", Which College/University? N/A
Prerequisite(s):			-		
<u>Course Description</u> : The goal concepts, and methodologies re environmental problems both na examine alternative solutions for wide variety of topics from different	equired to unde tural and humar resolving and/o nt areas of study lit course will be 0 credit.**	erstand th n-made, f or prevent /. **Spec based u	ne inter-r to evalua ting them ial note: pon avail	elationsh te the re . Enviro This cou ability. T	to provide students with the scientific principles, hips of the natural world, to identify and analyze lative risks associated with these problems and to nmental Science is interdisciplinary; it embraces a rse may also be offered as .50 credit. The decision This course may also be offered in conjunction with ar. This course offered 23-24.
Textbook(s) Used: Environmenta			, -	,-	

Course Name: SIEM /Intro to	Engineering			
<u># Credits:</u> 1.0	<u>Grade(s):</u> 09	⊠10	⊠11	⊠12
Is College Credit Available for this	Course? Yes	⊠No	C	

<u>Course #:</u> 4100 <u>Course Length:</u> 36 Weeks (1 Year) <u>If "Yes", Which College/University?</u> N/A

9

Prerequisite(s):

<u>Course Description</u>: This course describes the field of engineering and engineering technology allowing students to explore technology systems and design processess. Through the course students will use math, science, technology, and writing to solve engineering problems. The course is primarily project-based and requires substantial participation by all students. the course also emphasizes team work, oral and written communication, and the impact technology has on society. This course is not eligible to be counted as a Science credit for graduation requirements.

Frequency of Course Offering: This course is offeredevery school year.

Textbook(s) Used:

Course Name: STEM /Intro to	Aviation			<u>Course #:</u> 4101
<u># Credits:</u> 1.0	<u>Grade(s):</u> 09 🛛	10 🛛 11	⊠12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for this	Course?	⊠No		If "Yes", Which College/University? N/A
<u>Prerequisite(s)</u> :				
Course Description: The Aircraft	Owners & Pilots Asso	ociation (AO	PA) High School	STEM class will provide the framework

<u>Course Description</u>: The Aircraft Owners & Pilots Association (AOPA) High School STEM class will provide the framework "advanced exploration in the areas of flying, aerospace engineering, and unmanned aircraft systems." Throughout the course students will complete several engineering-based activities which require problem solving, application of knowledge, technological innovation while gaining a historical perspective on the earliest inventions to the current aircraft designs. This course also will provide some exposure to real-world challenges within the aviation world and the possible career options available for students seeking an aviation-related career. Because this is a STEM-based class, there will be a strong emphasis on the engineering process and a push for students to embrace trial and error in order succeed as they seek to bring innovative ideas within the educational world.

Frequency of Course Offering: This course not offered 23-24.

DEPARTMENT: Social Studies

Course Name: US History (Ci			744		Course #: 6911
<u># Credits:</u> 1.0	$\frac{\text{Grade}(s)}{\text{Grade}(s)} \boxtimes 09$]11	1 2	Course Length: 36 Weeks (1 Year)
Is College Credit Available for this		s ⊠No			If "Yes", Which College/University? N/A
student's ability to analyze and de student will study the political and	evelop the skills of cultural contributi erial artifacts and	chronologi ons of indiv	cal th ridual:	inking, compreh s and groups, he	ivil War to the present. It addresses the pension, interpretation, and research. The ow continuity and change have influenced nd cooperation among social groups and
Frequency of Course Offering: Th	is course is offere	devery sch	ool ye	ear.	
Textbook(s) Used: US History-Ci	<u>vil War to the Pre</u>	sent (Holt N	1cDoi	<u>ugal)</u>	
Course Name: Government 8	Economics				<u>Course #:</u> 6121
<u># Credits:</u> 1.0	<u>Grade(s):</u> 09	□10]11	12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for this	Course?	s 🖾 No			If "Yes", Which College/University? N/A
<u>Prerequisite(s)</u> : None					
to analyze the forces affecting ma choose to use scarce, limited rest consequences to economic decis and understand the principles an citizenship, how government wor traces the development of govern as it connects academic facts with At the end of this course students <u>Frequency of Course Offering:</u> Th	arkets and the fur ources, to connect sions. The Govern ad documents of g rks, and how inter ment, comparative real life situations take a civics test his course is offere	actions of go t and relate ment portic government mational re as it identi , and evalua in fulfillmen edevery sch	e ecor on of t (both lation fies s ative a at of P ool ye	mental actions in nomic decisions the course proven domestic and s function. The imilarities and di as it requires stu PA Act 35 requires	nine different types of economic systems, in the economy, to determine how people both domestic and foreign, and to assign ides opportunities for the student to know foreign), the rights and responsibilities of content is designed to be historical as it fferences between governments, practical dents to analyze and interpret information. ements.
Textbook(s) Used: World History			<u>11)</u>		
Course Name: World History					<u>Course #:</u> 6011
# Credits: 1.0	<u>Grade(s):</u> 09	□10 □]11	⊠12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for this	Course? Ye	s 🖾 No			If "Yes", Which College/University? N/A
Prerequisite(s): None					
historical skills of chronological th cultural contributions of individua	inking, comprehe als and groups, h	nsion, inter low continu	pretat iity ar	tion and researc nd change have	e student's ability to analyze and develop h. The student will study the political and e influenced history, primary documents, proups and organizations as seen through
Frequency of Course Offering: Th	is course is offere	edevery sch	ool ye	ear.	
Textbook(s) Used: World History	and Geography (McGraw-Hi	<u>II)</u>		

Course Name: Recent an	d Contemporary A	morica		<u>Course #:</u> 6040
# Credits: 1.0	Grade(s): 09		⊠12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for				If "Yes", Which College/University? N/A
Prerequisite(s): None				
<u>Course Description</u> : Recent of the World War Era and bi War", "The Civil Rights Move documents, material artifacts	rings the student as clo ement", ect). Througho s, and historical places, d change have influence	ose to the prese ut the course th to study the p ced history, and	ent as pos ne student olitical and to interpl	es History since 1945. It begins with an overview sible. It utilizes thematic history (e.g. "The Cold t will be given the opportunity to examine primary d cultural contributions of individuals and groups, ret conflict and cooperation among social groups
Frequency of Course Offerin	<u>g:</u> This course is offere	devery fourth y	ear. <mark>This</mark>	course is offered in 2024-25.
Textbook(s) Used: United S	<u>tates History; Preparinc</u>	g for the Advan	ced Place	ment Examination
o N. Davahalaa				
Course Name: Psycholog			_	<u>Course #:</u> 6030
<u># Credits:</u> 1.0	<u>Grade(s):</u> 09		⊠12	Course Length: 36 Weeks (1 Year)
<u>Is College Credit Available fo</u> <u>Prerequisite(s)</u> :	<u>⊮ this Course?</u> ∐ Yes	6 🛛 No		If "Yes", Which College/University? N/A
semester emphasizing man' course, it serves as a primer	s understanding of his for college prep studen ps. The course touche	relations with ts. A basic kno es basic princip	others (So wledge of	understanding of himself (Psychology) and one ociology). Designed primarily as an introductory how and why man does what he does enhances at the same time offers more in-depth study as
Frequency of Course Offerin	g: This course is offere	devery other so	hool year	This course is offered in 2023-24
Textbook(s) Used: Sociolog	<u>y and You_(Glencoe); r</u>	no Psychology	<u>text</u>	
Course Name: History on	Film			<u>Course #:</u> 6050
<u># Credits:</u> 1.0	<u>Grade(s):</u> 09	⊠10 ⊠11	⊠12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for	<u>or this Course?</u> Yes	s ⊠No		If "Yes", Which College/University? N/A
<u>Prerequisite(s)</u> : None				
		•		d portrayals of historical events. As technology

advances, information—both in content and presentation—likewise expands. Historical topics have been a central theme on film; this course aims to optimize the educational value of "entertainment" vehicles as the student analyzes differences in content and style between films, puts film topics in historical perspective, researches content of films to contrast the accuracies with artistic license, and develops an appreciation for history.

<u>Frequency of Course Offering:</u> This course is offeredevery fourth year. This course is offered in 2025-26. Textbook(s) Used: None

DEPARTMENT: Business and STEM

Course Name: Accounting I					<u>Course #:</u> 5121
<u># Credits:</u> 1.0	<u>Grade(s):</u> [X]0	9 🖂 10	⊠11	⊠12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for this	SCourse?	es 🖂 N	lo		If "Yes", Which College/University? N/A
<u>Prerequisite(s)</u> : None					
recording of business transactions simple financial statements. The s statements and keep simple payro	s. It prepares on student will comp oll records. Stud	e to keep plete the a ents will b	formal b accountin be requir	ooks of e ng cycle, ed to do a	e-entry bookkeeping. It covers the analysis and ntry such as journals and ledgers, and to prepare learn to write checks and receipts, reconcile bank accurate and timely assignments to prepare them through a simulation project done both manually
Frequency of Course Offering: Th	is course is offe	redevery	other sc	hool year	This course offered in 2023-24
Textbook(s) Used: South-Wester	n Century 21 Ac	counting	– Gene	ral Journa	<u>al</u>
Course Name: Accounting II					<u>Course #:</u> 5122
<u># Credits:</u> 1.0	<u>Grade(s):</u> 0	9 🛛 10	⊠11	⊠12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for this	SCourse?	es 🖂N	lo		If "Yes", Which College/University? N/A
Prerequisite(s): Accounting I					
Each assignment builds upon prio	or lessons and go or for real-world	oes into a Accounti	dvanced ng Appli	l detail. A cations. E	in Accounting I and wish to go to the next level. gain, students will be required to do accurate and Even if they use an automated accounting system re them.
Frequency of Course Offering: Th	is course is offe	redevery	other sc	hool year	This course offered in 2024-25
Textbook(s) Used: Microsoft Offic	<u>ce 2007: The Pe</u>	rforming	Series 2	008 Coui	se Technology, Cengage Learning
Course Name: Intro to Comp	uter Science				<u>Course #:</u> 5200
<u># Credits:</u> 1.0	<u>Grade(s):</u> [X] 0	9 🛛 10	⊠11	⊠12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for this	Course?	es 🖾 N	lo		If "Yes", Which College/University? N/A
Prerequisite(s): None	:			4	
computer programming along with	n the basics of co	mputer s	cience.	The mate	nputer science. Students will learn the basics of rial emphasizes computational thinking and helps building blocks of programming along with other

develop the ability to solve complex problems. This course covers the basic building blocks of programming along with other central elements of computer science. It gives a foundation in the tools used in computer science and prepares students for further study in computer science, inclusing AP Computer Science Principles and AP Computer Science A courses. The course allows students to work independently in text-based Python. The course also includes a career focus, where at the end of the units, students meet (via video) individuals from different industries who work in coding (medical, music, etc).

Frequency of Course Offering: This course is offeredevery school year.

Textbook(s) Used:

Course Name: Comput	ter Science A			<u>Course #:</u> 5201
<u># Credits:</u> 1.0	<u>Grade(s):</u> 09 '	10 🛛 11	⊠12	Course Length: 36 Weeks (1 Year)
Is College Credit Availabl	e for this Course? 🔲 Yes 🛛	∐No		If "Yes", Which College/University? N/A
<u>Prerequisite(s)</u> : Algebra	l is required and Algebra II is hi	ghly recor	nmended	along with teacher recommendation
Java requires a good mat computer programs that s A teaches object-oriented level course in compute	hematical background and stron solve problems relevant to today I programming using the Java la	ng problen /'s society inguage a problem	n-solving , including nd is mea -solving	ade students who are serious about programming. skills. Students will learn to design and implement g art, media, and engineering. Computer Science int to be the equivalent of a first semester, college- and algorithm development, and use hands-on nd solve complex problems.
Frequency of Course Offe	ering: This course is offeredeve	ry other so	chool yea	r. This course offered in 2023-24.
\mathbf{T}_{a} , the solution \mathbf{I}_{a}				

Textbook(s) Used:

Course Name: Digital Fabrica	ition				<u>Course #</u> :
<u># Credits:</u> 1.0	<u>Grade(s):</u> 09	⊠10	⊠11	⊠12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for this	<u>Course?</u> Yes	N	D		If "Yes", Which College/University? N/A

Prerequisite(s): None

<u>Course Description</u>: This course delves deeper into the capabilities of lasers, 3D printers, and vinyl cutters. Students will work on complex projects that combine multiple fabrication techniques, such as laser-cutting components for 3D-printed structures. The course will challenge students to think creatively and explore innovative applications for these technologies.

<u>Frequency of Course Offering:</u> This course is offered every other school year. **This course offered in 2023-24.** <u>Textbook(s) Used</u>:

DEPARTMENT: Fine and Practical Arts

Course Name: Culinary Arts						<u>Course #:</u> 8814
<u># Credits:</u> 1.0	Grade(s):	⊠09	⊠10	⊠11	⊠12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for this	Course?	Yes	⊠No)		If "Yes", Which College/University? N/A
<u>Prerequisite(s)</u> : None						
Course Description: Culinary Arts	is the praction	ce of pr	reparing	g food ta	astefully and cr	eatively. In this course, you will explore the
						ers, salads, soups, breads, cakes, cookies,
etiquette. Emphasis will be placed						tional cuisine, and the art of fine dining and
Frequency of Course Offering: Thi			•		-	
Textbook(s) Used: None		Jincicu	every of		ioor year,. <mark>This</mark>	
<u>10/10/00/(0)/00/00</u> . 10/10/10						
Course Name: Food Science						<u>Course #:</u> 8815
# Credits: 1.0	Grade(s):	⊠09	⊠10	⊠11	⊠12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for this						If "Yes", Which College/University? N/A
Prerequisite(s): None			—			<u>_</u>
	as You Are	e Wha	t You I	Eat. F	ood Science i	nvolves the examination of the chemical
						how foods become YOU! You will explore
						foods, the effects of ingredients in baked
cheese making, fats and emulsifie					ienyarating, co	ncentrating, freezing), microbes in yogurt,
Frequency of Course Offering: Thi					ool vear Thi	s course not offered 23-24.
Textbook(s) Used: None			,		····,·	
Course Name: Family Econor	nics					<u>Course #:</u> 8816
<u># Credits:</u> 1.0	Grade(s):	09	1 0	⊠11	12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for this	Course?	Yes	⊠No)		If "Yes", Which College/University? N/A
<u>Prerequisite(s)</u> : None						
						e opportunity to learn about the following:
						Developing Personal Relationships; Living
						amily Life with Work; Renting vs. Buying a Economics to fulfil your Junior year Social
Studies credit requirement.	bout both, a		ic. mut		ten along with	
Frequency of Course Offering: Thi	is course is c	offered	every so	chool ye	ear.	
Textbook(s) Used: None				-		
Course Name: Working with	Children					<u>Course #:</u> 8535
# Credits: 1.0	Grade(s):	⊠09	⊠10	⊠11	⊠12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for this	Course?	Yes	⊠No)		If "Yes", Which College/University? N/A
Prerequisite(s): None						
Course Description: This course	is designed	to he	lp stude	ents un	derstand and/o	or prepare for careers in Early Childhood-
						ner. Topics will include social, emotional,
						will participate in fun and exciting learning family and good parenting skills will also be
						iowledge learned in the classroom.
						J
Frequency of Course Offering: Thi	is course is c	offered	every of	ther sch	ool year. This	course not offered 23-24
<u>Frequency of Course Offering:</u> Thi Textbook(s) Used: <u>Parenting: Rev</u>			•		-	s course not offered 23-24 ng Children

Course Name: Housing & Interior Design	<u>Course #:</u> 8813
<u># Credits:</u> 1.0 <u>Grade(s):</u> 091011	☑ 12 <u>Course Length:</u> 36 Weeks (1 Year)
Is College Credit Available for this Course? Yes No	If "Yes", Which College/University? N/A
Prerequisite(s): None	
Course Description: Students will discover and learn about space and to save money and make realistic purchases regarding homes. Topics color and its effects, furnishing, window treatments, renting vs. buying today's home buying market. Frequency of Course Offering: This course not offered 23-24.	of discussion include elements and principles of design,
Textbook(s) Used: Homes with Character	
Course Name: Graphic Design/Photography	Course #: 7574
	$\boxed{12} \qquad \underbrace{Course \ Length:} 36 \ Weeks (1 \ Year)$
Is College Credit Available for this Course? Yes No	If "Yes", Which College/University? N/A
Prerequisite(s): None	<u></u>
<u>Course Description</u> : This is a year-long course covering an extensive learn about design elements and principles while completing graphic contemporary (digital) technologies. The design elements and prince explore film photography and darkroom development, digital photogra the development and production of animation and movie-making. **Projects subject to change at teacher discretion <u>Frequency of Course Offering:</u> This course is offeredevery school yea	c design projects using traditional (cut-and-paste), and ciples will be used throughout this course as students phy and Photoshop editing, multi-color printmaking, and
Textbook(s) Used:	
# Credits: 1.0 Grade(s): ⊠09 ⊠10 ⊠11 Is College Credit Available for this Course? ⊡Yes ⊠No	Course #:7562☑ 12Course Length:36 Weeks (1 Year)If "Yes", Which College/University?N/A
	✓12 <u>Course Length:</u> 36 Weeks (1 Year) <u>If "Yes", Which College/University?</u> N/A raditional artistic materials and processes. Students will g a wide range of projects. Projects may include, but are oal/graphite drawing, color pencil drawing, watercolor
<u># Credits:</u> 1.0 <u>Grade(s):</u> ⊠09 ⊠10 ⊠11 <u>Is College Credit Available for this Course?</u> Yes ⊠No <u>Prerequisite(s)</u> : None <u>Course Description</u> : This is a year-long course covering a range of the explore a variety of drawing and painting techniques while completing not limited to, perspective drawing, oil painting, line design, charch painting, illustration, acrylic painting, ink drawing, Chinese brush paint	☑ 12 Course Length: 36 Weeks (1 Year) If "Yes", Which College/University? N/A raditional artistic materials and processes. Students will g a wide range of projects. Projects may include, but are oal/graphite drawing, color pencil drawing, watercolor ting, or pastel drawing.
<u># Credits:</u> 1.0 <u>Grade(s):</u> ○09 ○10 ○11 ○ <u>Is College Credit Available for this Course?</u> ○Yes ○No <u>Prerequisite(s)</u> : None <u>Course Description</u> : This is a year-long course covering a range of the explore a variety of drawing and painting techniques while completing not limited to, perspective drawing, oil painting, line design, charch painting, illustration, acrylic painting, ink drawing, Chinese brush paint **Projects subject to change at teacher discretion	☑ 12 Course Length: 36 Weeks (1 Year) If "Yes", Which College/University? N/A raditional artistic materials and processes. Students will g a wide range of projects. Projects may include, but are oal/graphite drawing, color pencil drawing, watercolor ting, or pastel drawing.
<u># Credits:</u> 1.0 <u>Grade(s):</u> ○09 ○10 ○11 ○ <u>Is College Credit Available for this Course?</u> ○Yes ○No <u>Prerequisite(s)</u> : None <u>Course Description</u> : This is a year-long course covering a range of the explore a variety of drawing and painting techniques while completing not limited to, perspective drawing, oil painting, line design, charce painting, illustration, acrylic painting, ink drawing, Chinese brush paint **Projects subject to change at teacher discretion <u>Frequency of Course Offering:</u> This course is offeredevery school yea <u>Textbook(s) Used</u> : <u>None</u> <u>Course Name:</u> 3D Art	☑ 12 Course Length: 36 Weeks (1 Year) If "Yes", Which College/University? N/A raditional artistic materials and processes. Students will g a wide range of projects. Projects may include, but are oal/graphite drawing, color pencil drawing, watercolor ting, or pastel drawing. arr. You may only take one Art class per year. <u>Course #:</u> 7561
# Credits: 1.0 Grade(s): ○09 ○10 ○11 ○ Is College Credit Available for this Course? □Yes ○No Prerequisite(s): None Course Description: This is a year-long course covering a range of the explore a variety of drawing and painting techniques while completing not limited to, perspective drawing, oil painting, line design, charce painting, illustration, acrylic painting, ink drawing, Chinese brush paint **Projects subject to change at teacher discretion Frequency of Course Offering: This course is offeredevery school yea Textbook(s) Used: None Course Name: 3D Art # Credits: 1.0 Grade(s): ○09 ○10 ○11 ○	☑ 12 Course Length: 36 Weeks (1 Year) If "Yes", Which College/University? N/A raditional artistic materials and processes. Students will g a wide range of projects. Projects may include, but are oal/graphite drawing, color pencil drawing, watercolor ting, or pastel drawing. arr. You may only take one Art class per year. Image: Course #: 7561 Image: Course Length: 36 Weeks (1 Year)
# Credits: 1.0 Grade(s): ○09 ○10 ○11 ○ Is College Credit Available for this Course? □Yes ○No Prerequisite(s): None Course Description: This is a year-long course covering a range of the explore a variety of drawing and painting techniques while completing not limited to, perspective drawing, oil painting, line design, charce painting, illustration, acrylic painting, ink drawing, Chinese brush paint **Projects subject to change at teacher discretion Frequency of Course Offering: This course is offeredevery school yea Textbook(s) Used: None Course Name: 3D Art # Credits: 1.0 Grade(s): ○09 ○10 ○11 ○ Is College Credit Available for this Course? □Yes ○No	☑ 12 Course Length: 36 Weeks (1 Year) If "Yes", Which College/University? N/A raditional artistic materials and processes. Students will g a wide range of projects. Projects may include, but are oal/graphite drawing, color pencil drawing, watercolor ting, or pastel drawing. arr. You may only take one Art class per year. <u>Course #:</u> 7561
# Credits: 1.0 Grade(s): ○09 ○10 ○11 ○ Is College Credit Available for this Course? □Yes ○No Prerequisite(s): None Course Description: This is a year-long course covering a range of the explore a variety of drawing and painting techniques while completing not limited to, perspective drawing, oil painting, line design, charce painting, illustration, acrylic painting, ink drawing, Chinese brush paint **Projects subject to change at teacher discretion Frequency of Course Offering: This course is offeredevery school year Textbook(s) Used: None Course Name: 3D Art # Credits: 1.0 Grade(s): ○09 Sollege Credit Available for this Course? □Yes Prerequisite(s): None Course Description: 3D (three-dimensional) is a year-long course course course on) processes. Projects/materials used during this course may include and plaster (additive), wheel-thrown and hand-built clay projects, or on processes.	☑ 12 Course Length: 36 Weeks (1 Year) If "Yes", Which College/University? N/A raditional artistic materials and processes. Students will g a wide range of projects. Projects may include, but are oal/graphite drawing, color pencil drawing, watercolor ting, or pastel drawing. arr. You may only take one Art class per year. Image: State one Art class per year. <t< td=""></t<>
# Credits: 1.0 Grade(s): ○09 ○10 ○11 ○ Is College Credit Available for this Course? □Yes ○No Prerequisite(s): None Course Description: This is a year-long course covering a range of the explore a variety of drawing and painting techniques while completing not limited to, perspective drawing, oil painting, line design, charce painting, illustration, acrylic painting, ink drawing, Chinese brush paint **Projects subject to change at teacher discretion Frequency of Course Offering: This course is offeredevery school yea Textbook(s) Used: None Course Name: 3D Art # Credits: 1.0 Grade(s): ○09 ○10 ○11 ○	☑ 12 Course Length: 36 Weeks (1 Year) If "Yes", Which College/University? N/A raditional artistic materials and processes. Students will a wide range of projects. Projects may include, but are oal/graphite drawing, color pencil drawing, watercolor ting, or pastel drawing. arr. You may only take one Art class per year. Image: State of the state of

Course Name: Portfolio Art	Course #: 7550
<u># Credits:</u> 1.0 <u>Grade(s):</u> □09 □10 □11 ⊠12	
Is College Credit Available for this Course? Yes No	If "Yes", Which College/University? N/A
Prerequisite(s): Graphic Design/Photography, Drawing and Painting, 3D	
<u>Course Description</u> : Course is a year long program open only to senior sofferings. It is an independent study program planned between the instatechniques. A student may also use the class to prepare a portfolio to be	ructor and student exploring indepth concepts and
Frequency of Course Offering: This course is offeredevery school year.	his course not offered 23-24
Textbook(s) Used: None	
<u>Course Name:</u> Woods I	<u>Course #:</u> 8505
<u># Credits:</u> 1.0 <u>Grade(s):</u> ⊠09 ⊠10 ⊠11 ⊠12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for this Course?	If "Yes", Which College/University? N/A
Prerequisite(s): None	
<u>Course Description</u> : First year students will gain an understanding of wood will demonstrate an understanding of hardwoods and softwoods. First y project. This will include figuring out their supply list and materials list as will have created their own objectives for their projects and the steps to completion. Students will safely use power tools and hand tools to com converting fractions and decimals to calculate linear, board and square understanding of basic joinery. There will be specific joinery requirements and tool vocabulary as well as reading/writing/journaling activities. Students clean up jobs. Students will have multiple evaluations during each 9 week	ear students will learn the imprtance of planning a well as the cost of building their project. Students to completion. Students will be on a deadline for plete projects. Students will utilize measurements, feet for projects. Students will also demonstrate for projects. Students will know the parts of a board is will also have the responsibility of daily and weekly
Frequency of Course Offering: This course is offeredevery school year.	
Textbook(s) Used: None	
Course Name: Woods II	<u>Course #:</u> 8506
<u># Credits:</u> 1.0 <u>Grade(s):</u> □09 ⊠10 ⊠11 ⊠12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for this Course?	If "Yes", Which College/University? N/A
Prereguisite(s): Woods I	

<u>Course Description</u>: Second year students will follow the same course sequence with emphasis being placed on difficulty of a project. Students will be required to increase the difficulty of joinery in their projects. Students will have one major project due at the end of each nine weeks. Students will be responsible for completing all projects as designed by their planning sheet. Students will have created their own objectives for their projects and the steps to completion. Students will be on deadline for completion. Students will safely use power tools and hand tools to complete projects. Students will also demonstrate understanding of basic joinery. There will be specific joinery requirements for projects. Students will know the parts of a board and tool vocabulary as well as reading/writing/journaling activities. Students will also have responsibility of daily and weekly clean up jobs. Students will have multiple evaluations during each 9 week project and are expected to be on task at all times.

<u>Frequency of Course Offering:</u> This course is offeredevery school year. <u>Textbook(s) Used</u>: <u>None</u>

 Course Name:
 Woods III

 # Credits:
 1.0
 Grade(s):
 09
 10
 11
 12

 Is College Credit Available for this Course?
 Yes
 No

 Prerequisite(s):
 Woods II

<u>Course #:</u> 8507 <u>Course Length:</u> 36 Weeks (1 Year) <u>If "Yes", Which College/University?</u> N/A <u>Course Description</u>: Third year students will follow the same course sequence with emphasis being placed on the degree of difficulty involved in their projects. Third year students should be able to demonstrate proficiency in all aspects of the woodshop. Third year students will create an 18 week project. Students will have created their own objectives for their projects and the steps to completion. Students will be on a deadline for completion. Students will safely use power tools and hand tools to complete projects. Students will also demonstrate understanding of basic joinery. There will be specific joinery requirements for projects. Students will know the parts of a board and tool vocabulary as well as reading/writing/journaling activities. Students will also have the responsibility of daily and weekly clean up jobs. Students will have multiple evaluations during each 9 week project and are expected to be on task at all times. Students will be responsible for completing all projects as designed by their planning sheet.

Frequency of Course Offering: This course is offeredevery school year.

Textbook(s) Used: None

Course Name: Woods IV

<u># Credits:</u> 1.0	Grade(s):	09 🗌 10	11	⊠12	
Is College Credit Available for this	Course?	Yes 🖂 N	lo		

<u>Course #:</u> 8508 <u>Course Length:</u> 36 Weeks (1 Year) If "Yes", Which College/University? N/A

Prerequisite(s): Woods III

<u>Course Description</u>: Fourth year students will be a culmination of previous years. Students will be encouraged to create at least one large project consuming at least 18 weeks. Throughout this semester there will be various teaching on woodworking and construction including framing, siding, roofing, block and brick work, drywall, electrical and plumbing as well as an emphasis being placed on how to problem solve around the house. Students will have created their own objectives for their projects and the steps to completion. Students will be on a deadline for completion. Students will safely use power tools and hand tools to complete projects. Students will also demonstrate understanding of basic joinery. There will be specific joinery requirements for projects. Students will know the parts of a board and tool vocabulary as well as reading/writing/journaling activities. Students will also have the responsibility of daily and weekly clean up jobs. Students will have multiple evaluations during each 9 week project and are expected to be on task at all times. Students will be responsible for completing all projects as designed by their planning sheet.

Frequency of Course Offering: This course is offeredevery school year.

Textbook(s) Used: None

Course Name: Mechanical Dr	awing I				<u>Course #:</u> 8500
<u># Credits:</u> 1.0	<u>Grade(s):</u>	⊠10	⊠11	⊠12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for this	Course? Yes	⊠No)		If "Yes", Which College/University? N/A

Prerequisite(s): None

<u>Course Description</u>: Mechanical Drawing is designed to teach students CAD/CAM/CAE (Computer Aided Design/Computer Aided Engineering) related to today's engineering needs. Students will use Autodesk, 3D Design, Engineering & Entertainment Software as well as current relevant open source/freeware to explore and solve problems related to today's engineering fields including mechanical, electrical, and structural. Students will design and engineer projects utilizing the Engineering Design Process. Students will also spend time creating models and test structures to help them explore the manufacturing and design process. Mechanical Drawing students will design and model in 3D with the ability to create complex blueprints and 2D drawings. Drawings can transfer from a 3D design into a 2D engineering drawing format and also create photo-realistic views. Students will create many projects related to current design from: wheels and tires, bikes, tree stands, watches, bridges, sunglasses and more.

Frequency of Course Offering: This course is offeredevery school year.

Textbook(s) Used: None

Course Name: Mechanical Drawing II						
<u># Credits:</u> 1.0	<u>Grade(s):</u> 09	⊠10	⊠11	⊠12		
Is College Credit Available for	this Course? Yes	ΜN	0			
Prerequisite(s): Mechanical D	Drawing I					

<u>Course #:</u> 8501 <u>Course Length:</u> 36 Weeks (1 Year) If "Yes", Which College/University? N/A <u>Course Description</u>: Mechanical Drawing is designed to teach students CAD/CAM/CAE (Computer Aided Design/Computer Aided Manufacturing/ Computer Aided Engineering) related to today's engineering needs. Students will use Autodesk, 3D Design, Engineering & Entertainment Software as well as current relevant open source/freeware to explore and solve problems related to today's engineering Design Process. Students will also spend time creating models and utilize structural testing to help them explore the manufacturing process. Students will learn reverse engineering and ergonomic design. Through the design process students will formulate hypothesis and use animation, simulation, matting and presenting to test their design. Users design and model in 3D and can create 2D drawings. Drawings can transfer from a 3D design into a 2D engineering drawing format and also create photo-realistic views. Students will create many projects related to current design from: wheels and tires, bikes, tree stands, watches, bridges, sunglasses and more.

Frequency of Course Offering: This course is offeredevery school year.

Textbook(s) Used: None

Course Name: Mechanical Drawing III

<u># Credits:</u> 1.0	<u>Grade(s):</u> 09	10	⊠11	⊠12
Is College Credit Available for thi	s Course? Yes		0	

<u>Course #:</u> 8502 <u>Course Length:</u> 36 Weeks (1 Year) If "Yes", Which College/University? N/A

Prerequisite(s): Mechanical Drawing II

<u>Course Description</u>: Mechanical Drawing is designed to teach students CAD/CAM/CAE (Computer Aided Design/Computer Aided Manufacturing/ Computer Aided Engineering) related to today's engineering needs, students will use Autodesk, 3D Design, Engineering & Entertainment Software as well as current relevant open source/freeware programs to explore and solve problems related to today's engineering fields including mechanical, electrical and structural. Students will design and engineer projects utilizing the Engineering Design Process. Students will also spend time creating models and utilize structural testing to help them explore the manufacturing and design process. Students will learn reverse engineering and ergonomic design. Through the design process students will formulate hypothesis and use animation, simulation, matting and presenting to test their design. Students will explore simple machines through bridge building kits, building structures and blueprints. Students will design and model in 3D and can create 2D drawings/blueprints with photo realistic views. Students will create many projects related to current design including: bike, rv/camper design, dump truck with hydraulic cylinder, bridge building/structural building utilizing popsicle sticks, new features to existing designs.

Frequency of Course Offering: This course is offeredevery school year.

Textbook(s) Used: None

Course Name: Mechanical D	rawing IV			<u>Course #:</u> 8503
<u># Credits:</u> 1.0	<u>Grade(s):</u> 09	□10 □1 ′	🛛 12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for thi	s Course? Yes	No		If "Yes", Which College/University? N/A

Prerequisite(s): Mechanical Drawing III

<u>Course Description</u>: Mechanical Drawing is designed to teach students CAD/CAM/CAE (Computer Aided Design/Computer Aided Engineering) related to today's engineering needs. Students will use Autodesk, 3D Design, Engineering & Entertainment Software as well as current relevant open source/freeware programs to explore and solve problems related to today's engineering fields including mechanical, electrical and structural. Students will design and engineer projects utilizing the Engineering Design Process. Students will also spend time creating models and utilize structural testing to help them explore the manufacturing and design process. Students will learn reverse engineering and ergonomic design. Through the design process students will formulate several hypotheses and use problem solving skills through computer animation, simulation, matting and presenting to test their design and formulate new hypotheses. Students will explore simple machines through bridge building kits, building structures and blueprints. Users design and model in 3D and can create 2D drawings. Drawings can transfer from a 3D design into a 2D engineering drawing format and also create photo-realistic views. Students will create many projects related to current design including: bike, rv/camper design, dump truck with hydraulic cylinder, bridge building/structural building utilizing popsicle sticks, new features to existing designs. This course is similar to Mechanical Drawing III, but students have more input into their course material as it relates to their choice of college/career opportunities.

Frequency of Course Offering: This course is offeredevery school year.

Textbook(s) Used: None

<u>Course Name:</u> Household Ma	aintenance			<u>Course #:</u> 8512
# Credits: 0.5	<u>Grade(s):</u> []0	9 🗌 10 🗌 11	⊠12	Course Length: 18 Weeks (1 Sem.)
Is College Credit Available for thi			—	If "Yes", Which College/University? N/A
Prerequisite(s):		_		
will learn preventive maintenan maintenance and repair from dry to encourage students to be proa	ice from automo wall repair to sim ctive decision ma ch quarter, some	bbiles to home ple electrical wiri kers that are will necessary supp	maintenance. St ng to new constru ing to work to find	everyday home repair essentials. Students tudents will learn basic skills for home action and design. This course is designed solutions to real life problems. This course esponsibility of the student. (SCED 17010)
<u>Textbook(s) Used</u> : <u>None</u>				
Course Name: Music In Our	Lives			<u>Course #:</u> 7540
# Credits: 1.0	<u>Grade(s):</u>	9 🖂 10 🖂 11	⊠12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for thi			—	If "Yes", Which College/University? N/A
Prerequisite(s): None		_		
	e will familiarize y	/ou with popular	music in the US	from its beginnings into the 21st century.
Course covers a vast array of sty musical styles and not others Str				ts understand why he/she prefers certain ng maps.
Frequency of Course Offering: T <mark>23-24</mark>	his course is offe	redevery third so	chool year, but ca	n't be re-taken. This course not offered
Textbook(s) Used: None				
Cuiter I				Course #: 7545
Course Name: Guitar I				
<u>Course Name:</u> Guitar I # Credits: 1.0	<u>Grade(s):</u> X 0	9 🖂 10 🖂 11	⊠12	<u>Course Length:</u> 36 Weeks (1 Year)
			⊠12	
# Credits: 1.0	s Course?	es 🛛 No	_	Course Length: 36 Weeks (1 Year) If "Yes", Which College/University? N/A
<u># Credits:</u> 1.0 Is College Credit Available for thi <u>Prerequisite(s)</u> : None. Preference <u>Course Description</u> : Students wil Students will develop their music	s Course? Y ce will be given to I spend the year al ear and their p	es No courrent band a learning about th laying ability on	nd/or choir memb e guitar in both in t	Course Length: 36 Weeks (1 Year) If "Yes", Which College/University? N/A
<u># Credits:</u> 1.0 Is College Credit Available for thi <u>Prerequisite(s)</u> : None. Preference <u>Course Description</u> : Students will Students will develop their music on the guitar for themselves, thei	s Course? □Y ce will be given to I spend the year al ear and their p r peers and the i	es No o current band a learning about th playing ability on nstructor.	nd/or choir membo e guitar in both in t the guitar. Studen	<u>Course Length:</u> 36 Weeks (1 Year) <u>If "Yes", Which College/University?</u> N/A ers as needed. the technical and social/historical aspects. its will perform a variety of styles of music
<u># Credits:</u> 1.0 Is College Credit Available for thi <u>Prerequisite(s)</u> : None. Preference <u>Course Description</u> : Students will Students will develop their music on the guitar for themselves, thei	s Course? □Y ce will be given to I spend the year al ear and their p r peers and the i	es No o current band a learning about th playing ability on nstructor.	nd/or choir membo e guitar in both in t the guitar. Studen	<u>Course Length:</u> 36 Weeks (1 Year) <u>If "Yes", Which College/University?</u> N/A ers as needed. the technical and social/historical aspects.
<u># Credits:</u> 1.0 <u>Is College Credit Available for thi</u> <u>Prerequisite(s)</u> : None. Preference <u>Course Description</u> : Students will Students will develop their music on the guitar for themselves, thei <u>Frequency of Course Offering:</u> T	s Course? □Y ce will be given to I spend the year al ear and their p r peers and the i	es No o current band a learning about th playing ability on nstructor.	nd/or choir membo e guitar in both in t the guitar. Studen	<u>Course Length:</u> 36 Weeks (1 Year) <u>If "Yes", Which College/University?</u> N/A ers as needed. the technical and social/historical aspects. its will perform a variety of styles of music
<u># Credits:</u> 1.0 <u>Is College Credit Available for thi</u> <u>Prerequisite(s)</u> : None. Preference <u>Course Description</u> : Students will Students will develop their music on the guitar for themselves, thei <u>Frequency of Course Offering:</u> T 23-24 <u>Textbook(s) Used</u> : <u>None</u>	s Course? □Y ce will be given to I spend the year al ear and their p r peers and the i his course is offe	es No o current band a learning about th playing ability on nstructor.	nd/or choir membo e guitar in both in t the guitar. Studen	<u>Course Length:</u> 36 Weeks (1 Year) <u>If "Yes", Which College/University?</u> N/A ers as needed. the technical and social/historical aspects. nts will perform a variety of styles of music an't be re-taken. This course not offered
<u># Credits:</u> 1.0 <u>Is College Credit Available for thi</u> <u>Prerequisite(s)</u> : None. Preference <u>Course Description</u> : Students will Students will develop their music on the guitar for themselves, thei <u>Frequency of Course Offering</u> : T 23-24 <u>Textbook(s) Used</u> : <u>None</u> <u>Course Name</u> : Small Ensem	s Course? Y ce will be given to al spend the year al ear and their p r peers and the i his course is offe	es No o current band a learning about th playing ability on nstructor. eredevery third so	nd/or choir membe e guitar in both in t the guitar. Studen chool year, but ca	<u>Course Length:</u> 36 Weeks (1 Year) <u>If "Yes", Which College/University?</u> N/A ers as needed. the technical and social/historical aspects. its will perform a variety of styles of music an't be re-taken. This course not offered <u>Course #:</u> 7530
<u># Credits:</u> 1.0 <u>Is College Credit Available for thi</u> <u>Prerequisite(s)</u> : None. Preference <u>Course Description</u> : Students will Students will develop their music on the guitar for themselves, thei <u>Frequency of Course Offering</u> : T 23-24 <u>Textbook(s) Used</u> : <u>None</u> <u>Course Name</u> : Small Ensem <u># Credits</u> : 1.0	s Course? □Y ce will be given to al ear and the year al ear and their p r peers and the i his course is offe ble <u>Grade(s):</u> ⊠0	es No o current band a learning about th playing ability on nstructor. eredevery third so 9 210 211	nd/or choir membe e guitar in both in t the guitar. Studen chool year, but ca	<u>Course Length:</u> 36 Weeks (1 Year) <u>If "Yes", Which College/University?</u> N/A ers as needed. the technical and social/historical aspects. its will perform a variety of styles of music an't be re-taken. This course not offered <u>Course #:</u> 7530 <u>Course Length:</u> 36 Weeks (1 Year)
<u># Credits:</u> 1.0 <u>Is College Credit Available for thi</u> <u>Prerequisite(s)</u> : None. Preference <u>Course Description</u> : Students will Students will develop their music on the guitar for themselves, thei Frequency of Course Offering: T 23-24 <u>Textbook(s) Used</u> : <u>None</u> <u>Course Name:</u> Small Ensemi <u># Credits:</u> 1.0 Is College Credit Available for thi	s Course? □Y ce will be given to al ear and the year al ear and their p r peers and the i his course is offe ble <u>Grade(s):</u> ⊠0	es No o current band a learning about th playing ability on nstructor. eredevery third so 9 210 211	nd/or choir membe e guitar in both in t the guitar. Studen chool year, but ca	<u>Course Length:</u> 36 Weeks (1 Year) <u>If "Yes", Which College/University?</u> N/A ers as needed. the technical and social/historical aspects. its will perform a variety of styles of music an't be re-taken. This course not offered <u>Course #:</u> 7530
<u># Credits:</u> 1.0 Is College Credit Available for thi <u>Prerequisite(s)</u> : None. Preference <u>Course Description</u> : Students will Students will develop their music on the guitar for themselves, thei Frequency of Course Offering: T 23-24 <u>Textbook(s) Used</u> : <u>None</u> <u>Course Name</u> : Small Ensemi <u># Credits:</u> 1.0 Is College Credit Available for thi <u>Prerequisite(s)</u> : None	<u>s Course?</u> \Box Y ce will be given to al spend the year al ear and their p r peers and the i his course is offer ble <u>Grade(s):</u> \Box 0 <u>s Course?</u> \Box Y	es No o current band a learning about th playing ability on nstructor. eredevery third so 9 X10 X11 es XNo	nd/or choir membe e guitar in both in t the guitar. Studen chool year, but ca ⊠12	<u>Course Length:</u> 36 Weeks (1 Year) <u>If "Yes", Which College/University?</u> N/A ers as needed. the technical and social/historical aspects. its will perform a variety of styles of music an't be re-taken. This course not offered <u>Course #:</u> 7530 <u>Course Length:</u> 36 Weeks (1 Year) <u>If "Yes", Which College/University?</u> N/A
 <u># Credits:</u> 1.0 <u>Is College Credit Available for thi</u> <u>Prerequisite(s)</u>: None. Preference <u>Course Description</u>: Students will Students will develop their music on the guitar for themselves, thei Frequency of Course Offering: T 23-24 <u>Textbook(s) Used</u>: None <u>Course Name</u>: Small Ensemi <u># Credits:</u> 1.0 <u>Is College Credit Available for thi</u> <u>Prerequisite(s)</u>: None <u>Course Description</u>: Interested r on a number of different songs. read a different clef, how to expr majority of the class with be stude to develop each student on an in 	s Course? □Y ce will be given to al ear and their p r peers and their p his course is offe <u>Grade(s):</u> $⊠$ 0 <u>s Course?</u> □Y musical students Students would ess on different ent-centered and dividual basis an	es No o current band a learning about th blaying ability on nstructor. eredevery third so 9 210 211 es No have the opport nave the chance instruments. Th focus on individ d also increase	nd/or choir membe e guitar in both in t the guitar. Studen chool year, but ca ∑12 unity to play and s to learn new instr is is a practice an ual practice and p participation in cor	<u>Course Length:</u> 36 Weeks (1 Year) <u>If "Yes", Which College/University?</u> N/A ers as needed. the technical and social/historical aspects. its will perform a variety of styles of music an't be re-taken. This course not offered <u>Course #:</u> 7530 <u>Course Length:</u> 36 Weeks (1 Year)

Frequency of Course Offering: This course is offeredevery third school year, but can't be re-taken. This course not offered 23-24

Textbook(s) Used: None

Course Name: Band					<u>Course #:</u> 7533
<u># Credits:</u> 0.5	<u>Grade(s):</u> X09	⊠10	⊠11	⊠12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for this	<u>Course?</u> Yes	S 🖂 N	ο		If "Yes", Which College/University? N/A
Prerequisite(s): Middle school ba	nd or teacher app	roval.			
					nstruments a variety of music during the course of I community and school functions.
Frequency of Course Offering: Th	is course is offere	d every	school	year and	l can be re-taken.
Textbook(s) Used: None					
Course Name: Chorus					<u>Course #:</u> 7535
<u># Credits:</u> 0.5	<u>Grade(s):</u> X09	⊠10	⊠11	⊠12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for this	<u>; Course?</u> [Yes	S 🖂 N	ο		If "Yes", Which College/University? N/A
<u>Prerequisite(s)</u> : None					
	•	• •			their singing voice a variety of music. the chorus unctions over the course of the year.

Frequency of Course Offering: This course is offered every school year and can be re-taken.

Textbook(s) Used: None

DEPARTMENT: Health Physical Education

Course Name: Physical Educa	tion			<u>Course #:</u> 9000
<u># Credits:</u> 0.5	<u>Grade(s):</u> ⊠ 09	⊠10 ⊠11	⊠12	Course Length: 18 Weeks (1 Sem.)
Is College Credit Available for this C	Course? Yes	⊠No		If "Yes", Which College/University? N/A
<u>Prerequisite(s)</u> : None				
	oall, Speedball, Ba	asketball, Škii		d lifetime activities in the following areas: ning, Volleyball, Badminton, Ping Pong,
Frequency of Course Offering: This	course is offerede	every school y	ear.	
Textbook(s) Used: None				
Course Name: Physical Educa	tion			<u>Course #:</u> 9001
-		⊠10 ⊠11	⊠12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for this C	Course? Yes	No		If "Yes", Which College/University? N/A
Prerequisite(s): None				
	oall, Speedball, Ba	asketball, Śkii		d lifetime activities in the following areas: ning, Volleyball, Badminton, Ping Pong,
Frequency of Course Offering: This	course is offerede	every school y	ear.	
Textbook(s) Used: None				
Course Name: Health 9				<u>Course #:</u> 9900
# Credits: 0.5	<u>Grade(s):</u>	□10 □11	12	Course Length: 18 Weeks (1 Sem.)
Is College Credit Available for this C	Course? Yes	⊠No		If "Yes", Which College/University? N/A
Prerequisite(s): None				
	oall, Speedball, Ba	asketball, Škii		d lifetime activities in the following areas: ning, Volleyball, Badminton, Ping Pong,

Grade 9 Health class is designed to foster the ability of young people to make intelligent decisions regarding personal, family, and community health. The course will focus on various important topics such as communicable and non-communicable diseases, healthier eating habits, substance abuse, personal safety, and first aid.

Frequency of Course Offering: This course is offeredevery school year.

DEPARTMENT: Other

Course Name: Service Le	arning				<u>Course #:</u> 0500
<u># Credits:</u> 1.0	<u>Grade(s):</u> 09	1 0	11	⊠12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for	r this Course? Yes	⊠No	0		If "Yes", Which College/University? N/A
Prerequisite(s): Approval fro	m Guidance Counselor				
must demonstrate the comm program. Most students will may be assigned posistions	nitment, reliability and re be assigned to the elem at the high school. Cor is with the school and th	esponsik nentary nmunity ne comm	oility ne school Service nunity s	cessary to assis e may b ervice c	the student the value of helping others. Students to be a good volunteer or participant in a service t teachers at various grade levels. Some students e considered under the Service Learning Program organization. Course is a Pass/Fail offering.
Textbook(s) Used:		Levery 3	chool y	cai.	
Course Name: Co-op					<u>Course #:</u> 0700
<u># Credits:</u> 3.0	<u>Grade(s):</u> 09	1 0	11	⊠12	Course Length: 36 Weeks (1 Year)
Is College Credit Available for	r this Course? Yes	⊠No)		If "Yes", Which College/University? N/A
Prerequisite(s): Approval fro	m Guidance Counselor				
	syment for the remaind	er of the	e day. S	Student	ible students attend school for part of the day and must be employed before the start of your Senior ation insurance.
Frequency of Course Offerin	<u>g:</u> This course is offered	devery s	chool y	ear.	
Textbook(s) Used:					

DEPARTMENT: Career and Technical Center

Course Name: Automotive Mechanics

Credits:3.0Grade(s): \Box 09 \Box 10 \Box 11 \Box 12Certification:PA State Inspection License

Prerequisite(s):

Course Objectives:

-Service, repair, and maintain engines

-Work on valve trains, suspension, brakes, and exhaust systems

-Use current tools/equipment such as scanning tools and computerized front end aligner

-Prepare for a career as a Front End Mechanic, Brake Repairer, Transmission Specialist or Automobile Mechanic

-Students should have good mechanical problem solving and measurement skills and be willing to work in a sometimes dirty work environment

Course Name: Building Con	<u>Course #:</u> 0813				
<u># Credits:</u> 3.0	<u>Grade(s):</u> 09	⊠10	⊠11	⊠12	Program Length: 3 Years
Certification:					
<u>Prerequisite(s)</u> :					
Course Objectives:					
-Build a residential house from the	ne ground up				
-Interpret blue prints and specific	ations				
-Construct wood products and st	ructures from rough	lumber	to finisł	n grade	
-Operate a wide range of hand p	ower tools, air tools	, and ma	chines		
-Prepare for a career as a Carpe	nter, Construction C	Carpente	r, Cons	truction	Manager or Business Owner
-Students should have good me weather	asurement skills, be	able to	work a	t heights	s up to 50 feet and be willing to work in inclement
Course Name: Early Childho	od Education				<u>Course #:</u> 0820
<u># Credits:</u> 3.0	<u>Grade(s):</u> 09	⊠10	⊠11	⊠12	Program Length: 3 Years
Certification: Child Developmen	nt Associate Creden	tial			
<u>Prerequisite(s)</u> :					

Course Objectives:

-Early Childhood Education program is designed to teach students the aspects of teaching and working with young children -Students will: explore career pathways and develop the characteristics of successful teachers/childcare providers

-Apply theoretical concepts to real-life situtation

-Students will learn how to meet the developmental needs and interests of young children

Course #: 0812
Program Length: 3 Years

• • • • •									
Course Name: Culinary Arts					<u>Course #:</u> 0814				
<u># Credits:</u> 3.0	<u>Grade(s):</u> 09	⊠10	⊠11	⊠12	Program Length: 3 Years				
Certification: ServSafe Sanitation Certificate									
Prerequisite(s):									
Course Objectives:									
-Work side-by-side with professional chefs									
-Make gourmet foods with artistic presentation									
-Participate in catering projects and in the operation of a full-service restaurant									
-Prepare for a career as a Cook, Pastry Cook, Kitchen Helper or Waiter/Waitress									
-Students must be willing to taste food, learn French cooking terminology, work in the public eye, and should have good measurement skills									
Course Name: Health Assista	ant				<u>Course #:</u> 0816				
<u># Credits:</u> 3.0	<u>Grade(s):</u> 09	⊠10	⊠11	⊠12	Program Length: 3 Years				
Certification: Nurse Aide									
Prerequisite(s):									
Course Objectives:									
-Work side-by-side with health care professionals									
-Learn medical terminology and anatomy									
-Practice hands-on care									
-Gain clinical experience at long-term care facilities									
-Prepare for a career as a Nurse Assistant or Medical Assistant									
-Students must have a good health record and be able to accept and carry out precise orders									
Course Name: Heavy Equipn	nent Maintenar	nce			<u>Course #:</u> 0817				
# Credits: 3.0	<u>Grade(s):</u> 09		⊠11	⊠12	Program Length: 3 Years				
Certification: PA State Inspection					<u></u>				
Prerequisite(s):									
Course Objectives:									
-Service, diagnose, repair, and re	build trucks. tracto	rs. loaai	ng and (construction equipment					
-Work on both gasoline and diese									
-Work on both gasonine and dieser powered engines -Use arc welding, oxy/acetylene cutting, and fabrication techniques									
	•		•	Equipment Manager or Parts	Clerk				
-Prepare for a career as an Equipment Mechanic, Truck Mechanic, Equipment Manager or Parts Clerk -Students should have good mechanical problem solving and measurement skills and be willing to work outsdie in inclement									
weather and in a sometimes dirty		j							
Course Name: Homeland See	curity				<u>Course #:</u> 0821				
# Credits: 3.0	<u>Grade(s):</u> 09	⊠10	⊠11	⊠12	Program Length: 3 Years				
Certification:									
Prerequisite(s):									
Course Objectives:									
-Receive instruction; participate ir									
-Prepare for national, state and local certifications in all three areas of public safety									

-Refine personal career opportunities and choose personal career opportunities in an area of specialization of public safety

Course Name: Engineering Technology (fka: Metal Working)

 # Credits:
 3.0
 Grade(s):
 □09
 ⊠10
 ⊠11
 ⊠12

 Certification:
 NIMS Certification, Cisco Certified, A+, CompTIA

 Prerequisite(s):

 Course Objectives:

 -Use mills, CNC mills, and Lathes

 -Learn to use precision measurement tools

 -Read blueprints or design parts and machine them to precise specifications

 -Students should have good problem solving and good measurement skills

 -Introduction to Engineering Design

 -Computer Integrated Manufacturing

 -Principles of Engineering

-Engineering Design & Development

Course Name: Network Systems Technology

<u># Credits:</u> 3.0 <u>Grade(s):</u> □09 ⊠10 ⊠11 ⊠12 <u>Certification:</u> Cisco Certified, A+, CompTIA <u>Prerequisite(s)</u>: Course Objectives:

-Design, build, configure, and troubleshoot networks

-Program routers and switches

-Explore wireless and security methods

-Learn with interactive and hands-on activities thorugh the Cisco Academy

-Prepare for a career as a Network Administrator, Technology Coordinator, Computer Support Specialist or Cable Installer

Grade(s): 09 ×10 ×11 ×12

-Students should be enthusiastic about computers and technology, be able to communicate well with others, and have above average math, reading, and science abilities and excellent problem solving skills

Course Name: Welding Technology

<u># Credits:</u> 3.0

Certification:

Prerequisite(s):

Course Objectives:

-Use MIG, TIG, stick, and oxyfuel welding

-Perform oxyfuel and plasma cutting and air arc gouging

-Learn to choose the best welding and cutting process for the job at hand

-Prepare for a career as a Construction or Fabrication Welder

-Students should have good measurement skills and be willing to work outside and to get dirty

<u>Course #:</u> 0818 <u>Program Length:</u> 3 Years

<u>Course #:</u> 0819 Program Length: 3 Years

Course #: 0810

Program Length: 3 Years

PC Now College Courses Available at the CTC (Please contact the CTC for more information):

Automotive Mechanics

AMT112 Brake Systems AMT113 Steering and Suspension

Culinary Arts

FHD118 ServSafe-Sanitation

Heavy Equipment Maintenance

DSM119 Fuel Systems DSM141 Heavy Duty Brake Systems

Network Systems Technology

CSC124 Information, Technology, and Society (1st year students) CIT112 Introduction to Gaming and Simulation (2nd year students)