

2024-2025
Career & Educational Planning Guide
Pleasant Hill High School
Grades 9, 10, 11, & 12



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GENERAL INFORMATION

Dear Parents and Students;

This Career and Educational Planning Guide is intended to assist students as they make plans for a career that will lead to a rewarding and enjoyable future. We urge students and parents to work with the school faculty to review the information in this book in preparation for creating the student's personal plan of study. The personal plan of study, unique to each student, outlines courses that align with future education and career goals. Each year you will revisit the student's personal plan of study. When students see the relevance of high school course work to what they aspire to in their future, they are more apt to take school seriously and enroll in more rigorous courses. Remember course selection is very important.

Parents - please familiarize yourselves with the information in this book and actively participate with your school and student in creating and reviewing your child's personal plan of study. Students rank parents as the most influential people in their lives. Challenge your students to set high standards, select courses and school activities which directly help them achieve personal and career goals, work hard to achieve these goals and attend classes daily. Embrace the power of your influence and genuinely engage in educational pursuits with your child(ren).

Students are encouraged to use this Career & Educational Planning Guide to carefully create a Personal Plan of Study that will assist them in reaching their educational and occupational goals. We suggest you review all

requirements for graduation, read all information given about each course and complete a Personal Plan of Study

We look forward to partnering with you for a successful year. Please don't hesitate to contact us if we can be of assistance.

Pleasant Hill School District Administration

Mission and Beliefs

Mission Statement: The district mission is to provide a quality education that develops all students' potential to become life-long learners and responsible, productive participants in a global society.

Our Beliefs: We believe education begins in the home and continues as a partnership of family, school, and community. We believe all children have a right to learn.

We believe each child is unique and has the right to opportunities which develop his/her capabilities.

We believe ethics, respect, tolerance, personal responsibility and sense of community must be incorporated in and conveyed throughout the educational process.

We believe education is an ongoing process that develops knowledge and the ability to apply that knowledge.

We believe in encouraging cooperative relationships and optimistic attitudes among members of the learning community.

We believe in fiscal stewardship and accountability for the public and private resources which supports our educational mission.

GRADUATION REQUIREMENTS AND OTHER INFORMATION

	Diploma Requirements
Language Arts	4 credits <i>Must include LA 1, H LA 2 or LA 2, AP Lang & Comp or LA 3, Ap Lit & Comp, LA 4 or Comp/Adv Lit</i>
Mathematics	3 credits <i>Must include 3 credits taken during the 9, 10, 11, 12 grade.</i>
Science	3 credits <i>Must include Bio 1, & 2 additional science</i>
Social Studies	3 credits <i>Must include 1 unit of American, World, & Government</i>
Fine Art	1 credit <i>(includes Art, Music, Band, Theater)</i>
Practical Arts	1 credit <i>(Includes Ag, Business, & FACS)</i>
Physical Education	1 credit
Health	.5 credit
Personal Finance	.5 credit
Core Elective or World Language	1 credit Additional Math, Science, English, Social Studies, Spanish, or 1 additional Practical Art in a career and technical education sequence.
Electives	7 credits
Total Credits	25

Additional Requirements For Graduation

- U.S. AND MISSOURI CONSTITUTION TESTS:** Students must pass the U.S. Constitution test and the Missouri Constitution test (Both tests are completed as part of the Government class) in order to graduate.
- EOC TESTING:** Students are required to take all state mandated EOC before graduation.
- ACT OR ASVAB TESTING:** Students are required to take at least one of these National Tests before graduation.
- TSA TESTING:** Career Education students required to have a TSA score before graduation.
- CPR Training** completed before graduation.

College Admission Requirements and Recommendations

	U. of Missouri System Requirements (includes MU, UMKC, Missouri S&T)	Missouri Public 4 Year College (includes UCM, NWM, & MSU)	Community & Technical Colleges (Metropolitan Community Colleges)	Military Careers
Language Arts	4 credit	4 credit	HIGH SCHOOL Diploma , HiSET. or a Certificate of Completion of Home School Program	HIGH SCHOOL Diploma , HiSET* or a Certificate of Completion of Home School Program
Mathematics	4 credits Alg 1 & higher	3 credits Alg 1 & higher		
Science	3 credits 2 of 3 from Bio, Chem, Physics & Earth	3 credits No General Science 1 must be a lab class		
Social Studies	3 credits	3 credits		
Fine Art	1 credit	1 credit		
Specified Core Electives	2 credits 2 years of the same Foreign Language	3 credits From Foreign Language, Fine Arts &/or Core Courses		
Other Specified	Plus appropriate class rank and a minimum score of 25 on the ACT	Plus appropriate class rank and a minimum score of 21 on the ACT		

How Can My Student Be More Prepared For College?

According to ACT's student performance data, they define "college readiness" as students having approximately a 75% chance of earning a grade of C or higher or approximately a 50% chance of earning a B or higher in selected courses commonly taken in the first year of college in core subjects.

To ensure that the student master the knowledge and skills to succeed after high school, ACT recommends that students take a core curriculum consisting of at least:

- 4 years of English
- 4 years of Mathematics (*Algebra 1 and higher*)
- 4 years of Science (*including Biology, Chemistry, & Physical Science*)
- 3 years of Social Studies

Acceptance of Outside Credits

Definition:

An outside credit is defined as any credit earned by completing a correspondence course, by attending another accredited district's night school, a home-school class, or by attending another accredited school district's summer school. Credits earned by attending Pleasant Hill summer school, after school program, or computer-based A+ are not classified as outside credits. MOVIP credits do not count as outside credits.

Regulations:

- The maximum number of outside credits, which may be counted toward the total credits required to graduate from Pleasant Hill High School, is three units of credit (6 semester courses).
- No more than two outside credits (4 semester courses) may be counted in any one school year.
- The principal and/or counselor may request a copy of the course syllabus, tests, and method of grade determination for any outside credit courses prior to accepting these as appropriate for fulfilling the graduation requirements of Pleasant Hill High School.
- A consultation with the high school counselor is recommended prior to enrolling in any courses taken outside of the regular school day.

ATHLETIC ELIGIBILITY

Missouri State High School Activities Association Eligibility (MSHSAA)

Knowing and following all MSHSAA standards will enable a student to protect his/her eligibility for MSHSAA interscholastic competition. Activity participation should be for all students making appropriate progress toward graduation and otherwise in good standing.

For students in grades 9-12: Grades received the preceding semester will determine eligibility to participate in interscholastic activities.

- The student shall have earned, the preceding semester, a minimum of 3.0 units of credit. This means students must pass 6 of 7 classes the previous semester.
- The student shall currently be enrolled in and regularly attending courses that offer 3.0 units of credit. (Student aides and study halls are non-credit classes)
- A beginning ninth grade student shall have been promoted from the eighth grade to the ninth grade for first semester of eligibility. A student must be making satisfactory progress towards graduation as determined by local school policies.
- There is a maximum age limit for participation.

Dual Enrollment/MOVIP: Students planning to participate in dual enrollment/MOVIP classes should visit with their counselor or Activities Director to make sure they will be eligible to participate in MSHSAA sanctioned activities. More information can be found at: www.mshsaa.org

NAIA Student-Athlete Academic Eligibility Requirements

The NAIA Eligibility Center will determine your eligibility based on your academic record and additional information you provide. Here's how it works:

High School Students

1. ACHIEVE A MINIMUM OF 18 ON THE ACT OR 860 ON THE SAT*.

2. ACHIEVE A MINIMUM OVERALL HIGH SCHOOL GPA OF 2.0 ON A 4.0 SCALE.

3. GRADUATE IN THE TOP HALF OF YOUR HIGH SCHOOL CLASS.

If you will graduate from high school this spring and enroll in college this coming fall, the requirements are simple - High school graduation, plus two out of three of these requirements

Early Decisions for High School Seniors

Students who have completed their junior year of high school with an overall 3.00 GPA on a 4.00 scale OR students who have completed the first half of senior year with an overall 2.5 GPA on a 4.00 scale, plus the minimum test scores required (18 ACT or 860 SAT), may receive an eligibility decision prior to high school graduation. To receive

an early decision, register with the NAIA Eligibility Center, have your high school send official transcripts to the Eligibility Center and contact ACT or SAT to have their test scores sent directly (the NAIA code is 9876 with ACT and SAT).

For more information, visit: <http://www.playnaia.org/>

NCAA Student-Athlete Academic Eligibility Requirements

Before a student is eligible to participate in college athletics at the NCAA Division I, or Division II or Division III level, the NCAA Clearinghouse Eligibility Center must certify the student. Part of that certification process includes making sure that the student has successfully taken the required number of core courses. The required number of core courses is listed below. For further requirements to be deemed eligible contact the Guidance Office.

Checklist for College-Bound Student-Athlete

- Register at the beginning of your sophomore year at www.eligibilitycenter.org.
- Send your transcripts to the NCAA Eligibility Center at the end of your junior year.
- Take the ACT or SAT and use the code 9999 to have your official scores sent directly to the NCAA Eligibility Center.
- Check with your high school counselor to make sure you are on track to graduate on time with your class and have the required amount of core courses.
- Request final amateurism certification during your senior year (starting April 1).
- Ask your high school to submit your final transcript with proof of graduation.

NCAA Student-Athlete Academic Eligibility Requirements

Division I – At Graduation

If you enroll in a Division I college and want to compete or practice in athletics or receive an athletics scholarship during your first year, you must:

- Graduate from high school;
- Complete these 16 core courses:
 - 4 years of English
 - 3 years of math (Algebra I or higher)
 - 2 years of natural or physical science (including one year of lab science if offered by your high school)
 - 1 additional year of English, math or natural or physical science
 - 2 years of social science
 - 4 years of extra core courses (from any category above, or foreign language, comparative religion or philosophy);
- Earn a minimum required grade-point average of 2.30 in those 16 core courses; and
- Earn a combined SAT or ACT sum score that matches your core-course grade-point average and test score sliding scale on this page (for example, a 2.500 core-course GPA requires 1000 SAT or 85 sum ACT)

Division I – Core-Course Progression – Junior Year

If you plan to enroll in a division I college, you must complete before the 7th semester of high school:

- Completed **10** core courses before seventh semester of high school
 - Of the **10** core courses **seven** must be in the area of **English, math or science**
 - These 10 core courses become locked in for the purpose of GPA calculation. A repeat of one of the lock in courses will not

Division I Core GPA and Test Score Sliding Scale

Core GPA	SAT	ACT
3.5 & above	400	37
3.525	410	38
3.500	420	39
3.475	430	40
3.450	440	41
3.425	450	41
3.400	460	42
3.375	470	42
3.350	480	43
3.325	490	44
3.300	500	44
3.275	510	45
3.250	520	46
3.225	530	46
3.200	540	47
3.175	550	47
3.150	560	48
3.125	570	49
3.10	580	49
3.075	590	50
3.050	600	50
3.025	610	51
3.000	620	52
2.975	630	52

be used if taken after the seventh semester begins.

Division II

If you enroll in a Division II college and want to participate in athletics or receive an athletics scholarship during your first year, you must:

- Graduate from high school;
- Complete these 16 core courses:
 - 3 years of English
 - 2 years of math (Algebra I or higher)
 - 2 years of natural or physical science (including one year of lab science if offered by your high school)
 - 3 years of extra english, math or natural or physical science
 - 2 years of social science
 - 4 years of extra core courses (from any category above, or foreign language or comparative religion/philosophy)
- Earn a 2.000 grade point average or better in your core courses; and
- Earn a combined SAT score of 820 or an ACT sum score of 68. There is no sliding scale in Division II.

Resources:

NCAA Eligibility Center website at www.eligibilitycenter.org or you may call 877-262-1492.

College-bound student-athletes first enrolling at an NCAA school on or after August 1, 2018, need to meet new academic rules to practice, compete and receive athletics scholarships during their first year.

2.950	640	53
2.925	650	53
2.9000	660	54
2.875	670	55
2.850	680	56
2.825	690	56
2.800	700	57
2.775	710	58
2.750	720	59
2.725	730	59
2.700	730	59
2.675	740-750	61
2.650	760	62
2.625	770	63
2.600	780	64
2.575	790	65
2.550	800	66
2.525	810	67
2.500	820	68
2.475	830	69
2.450	840-850	70
2.425	860	70
2.400	860	71

ENROLLMENT INFORMATION

Grade Calculations

A = 4.00	B- = 2.67	D+ = 1.33
A- = 3.67	C+ = 2.33	D = 1.00
B+ = 3.33	C = 2.00	D- = 0.67
B = 3.00	C- = 1.67	F = 0.00

Cumulative GPA = w/o weight GPA + (# of weighted class semesters x .017)

Weighted Credit Courses

Due to the added rigor of the weighted class, the student will receive an added credit “weight” upon passing the course. This added weight will be calculated: Cumulative GPA = w/o weight GPA + (# of weighted classes x .017)

- Honors Language Arts 2
- AP Language & Composition
- Composition
- Advanced Literature
- AP Literature & Composition
- Public Speaking
- Honors Geometry
- Honors Algebra II
- Trig / Pre-Calc
- Probability & Statistics
- Calculus
- College Algebra
- Dual Credit Comparative Government
- Human Exploration
- Great Empires of the World
- Sociology
- Psychology
- American History: 1877 to Present
- AP US History
- Biology 2

- Chemistry 2
- Physics
- Anatomy/Physiology
- Principles of Biomedical Science PLTW
- Human Body Systems PLTW
- Medical interventions PLTW
- Biomedical Innovations (BI) PLTW Capstone
- Intro to Engineering Design PLTW
- Principles of Engineering PLTW
- Aerospace Engineering PLTW
- Computer Integrated Manufacturing PLTW
- Engineering Design and Development PLTW
- Comp Science Principles PLTW
- Comp Science Essentials PLTW
- All Dual Credit UCM Online Classes

Dual Credit Courses

Pleasant Hill High School offers several dual credit courses through area colleges. Please see course description for the requirements and course prerequisites. It is the student's responsibility to check the college in which they wish to attend to verify whether they will accept the dual credit.

UMKC Partner Classes	UCM Partner Classes	UCM Online Dual Credit Classes
<ul style="list-style-type: none"> - Literature (CLASSICS210) 	<ul style="list-style-type: none"> - Composition (ENGL 110) - Government (POLS1510) - Welding/Structures/Small Gas Engines (AGR1200) - Adv. Livestock (AGR1400) - Floriculture (AGR1600) - Landscaping (AGR1600) - Conservation/Turf Management (AGR108) 	<ul style="list-style-type: none"> - Essentials of Managing Information - Chemistry - Criminal Justice - Composition 2 - Personal Finance - German 1 & 2 - Library & Research Skills - Experiencing Music - E Health & Cyber Wellness - Physics - Intro to Politics - Psychology - Sociology - Spanish 1 & 2
MSU Partner Classes <ul style="list-style-type: none"> - Equine Science (AGS161) 		
UCM ITV Classes <ul style="list-style-type: none"> - College Algebra <ul style="list-style-type: none"> - 1 Semester - Public Speaking <ul style="list-style-type: none"> - 1 Semester 		

Course Change Policy

The exception to this policy is Band: Band enrollment cannot be changed for the first semester after July 1st.

Students may change schedules at designated times before the start of the semester or through the **3rd day** of each semester.

- Students may change schedules to get a desired elective but not to obtain a specific hour or teacher.
- Parent permission is required to drop a core class.

Early Graduation

As per Missouri State Department of Elementary and Secondary Education graduation requirements, students are expected to complete eight (8) semesters of high school. If a student, who for a sound educational and vocational reason, wishes to graduate from high school in less than eight semesters, must submit a request for a waiver of this policy by speaking to the principal. Early graduation must be a planned part of a student's educational program, and must be done with a counselor. Students that wish to graduate prior to 8 semesters, must meet the requirements according to the early graduate checklist. All requirements must be fulfilled prior to the end of their final semester. The deadline to declare for early graduation is September 30th.

- Students graduating early will not be eligible for a class ranking for any subsequent semesters.
- It is the student's responsibility to stay in touch with the school in regard to important semester events (i.e. graduation rehearsal)
- A+ eligibility may be affected. Students and parents should consult with the A+ Coordinator

Launch

Missouri Course Access and Virtual School Program (MoCAP) was established in 2007 as the state's online school. It was previously known as Missouri Virtual Instruction Program (MOVIP). The Pleasant Hill R-III School District's preferred provider is LAUNCH. Launch is operated and overseen by the Springfield, MO School District and currently offers over 120 courses. Course descriptions can be found at <http://fueledbylaunch.com/courses/>. If students wish to pursue an online class offering they must see their School Counselor.

COMMUNICATION ARTS COURSE DESCRIPTIONS

LANGUAGE ARTS I

Communication Arts
Prerequisite: None

Course #: h1010
Grades: 9
Credits: 1 Credit

This course will include a concentrated study of grammar, composition skills, vocabulary, and a variety of literary forms: novels, short stories, drama, and poetry. In the study of literature, students will be expected to express ideas and discuss questions in written and oral form. Students will be required to read multiple texts of their own choosing (with teacher guidance) based on their abilities and interests and demonstrate their understanding of selected readings. Students will also be required to compose essays in multiple formats for a variety of purposes. In addition, students will be required to conduct a research project and participate in formal and informal oral presentations.

LANGUAGE ARTS II

Communication Arts
Prerequisite: None

Course #: h1030
Grades: 10
Credits: 1 Credit

This course will concentrate on improving language and communication skills: writing, reading, speaking, and listening. Students will explore novels, short stories, drama, and poetry as well as compose essays for various audiences. In addition, students will be required to read multiple texts of their own choosing (with teacher guidance) based on their abilities and interests and demonstrate their understanding of selected readings in the Independent Reading program. Students will also be required to compose essays in multiple formats for a variety of purposes. In addition, students will be required to conduct a research project and participate in formal and informal oral presentations.

HONORS LANGUAGE ARTS II

Communication Arts - Weighted
Prerequisite: None

Course #: h1036
Grades: 10
Credits: 1 Credit

This course will address the standards of LAII at a heightened degree and pace, with opportunities for exploratory learning. Students will have an increased focus on developing more complex writing, vocabulary, and grammar skills. In addition, a wide variety of literary works will be included. Students will be required to read multiple texts, demonstrating high levels of comprehension, analysis, communication, and time management. This course is recommended for those students wishing to complete either AP course for college credit. Students will be recommended by their LAI teacher based on FastBridge reading scores, grades, and a writing sample. However, all students are welcome to enroll.

LANGUAGE ARTS III

Communication Arts
Prerequisite: None

Course #: h1050
Grades: 11
Credits: 1 Credit

This course involves a review of the structure of English. Students will have an increased focus on developing more complex writing, vocabulary, and grammar skills. Multiple projects, including a formal research paper, are required. In addition, students will be required to read multiple texts based on their abilities and interests and demonstrate their understanding of selected readings. This course also involves an in-depth study of American authors and their works. This course will also offer an introduction unit of a podcast to develop skills required for listening, reading, and writing.

AP LANGUAGE AND COMPOSITION

Communication Arts - Weighted
Prerequisite: None

Course # h1053
Grades: 11,12
Credits: 1 Credit

This course is a college-level program focused on nonfiction only that is designed to meet the rigorous requirements of a college level composition class. Using rhetorical principles, students will learn how to become critical thinkers and apply that knowledge to their writing by revising and improving their essays, as well as critiquing and editing peer essays. In addition, students will be required to thoroughly research relevant topics, synthesize information from a variety of sources, and document their knowledge in three cogent, well-written essays. Anyone is eligible to enroll, but is advised to consider the commitment to a college-level work load of

reading, writing, and thinking. Participation in Honors Language Arts II during sophomore year is recommended but not required. This course is best paired with AP Literature and Composition, as this course covers rhetoric and nonfiction only, while the latter covers primarily fiction. College credit (3-6 hours) is granted by universities for this course, and additional credit is earned by completing both AP classes.

LANGUAGE ARTS IV

Communication Arts

Prerequisite: None

Course #: h1070

Grades: 12

Credits: 1 Credit

Students will be given opportunities to read, write, discuss, research, and present orally in this course. Focus will be given to practical application of language arts and fine tuning of skills to be successful in the workforce or in a college setting. Students will be reading various texts to gain an appreciation of literature and will be keeping journals to understand their perceptions of others and the greater global community. In addition, students will be required to read multiple texts of their own choosing (with teacher guidance) based on their abilities and interests and demonstrate their understanding of selected readings in the Independent Reading program. Students will also be required to compose essays in multiple formats for a variety of purposes. In addition, students will be required to conduct a research project and participate in formal and informal oral presentations.

AP LITERATURE & COMPOSITION

Communication Arts - Weighted

Prerequisite: None

Course #h1075

Grades: 11,12

Credits: 1 Credit

This course is designed to offer students an opportunity to explore merited literary works on a critical level with rigor consistent with that of college courses. Students will explore a variety of genres and periods including short works and novels from the 17th to the 21st Centuries by authors with a wide range of backgrounds. Students will be expected to read more at a quicker pace and write in-depth essays analyzing a work's structure, themes, and use of stylistic techniques applying various schools of literary criticism. Attention to a work's historical and social context will also be considered. Writing is a large component of the course and students will be expected to generate two analytical essays alongside creative and fiction writing tasks. Anyone is eligible to enroll, but is cautioned to consider the commitment to a college-level work load of reading, writing, and thinking. College credit (3-6 hours) is granted by universities for this course, and additional credit is earned by completing both AP classes.

COMPOSITION

Communication Arts - Weighted, Dual Credit

Prerequisite: None

Course #: h1113

Grades: 12

Credits: .5 Credits

This course is a freshman-level college writing course (3 semester hours). This course may be taken for dual credit through UCM (ENGL 1020 Composition 1) at a cost of approximately \$95 per credit hour. Students are required to have a cumulative GPA of 3.0 OR an ACT English score of 18 or higher to receive dual credit (but not to take the class). Instruction will promote a positive attitude toward writing leading to thoughtfully developed essays that emphasize the writing process. Close reading, discussion, and stating and supporting a thesis will be the focus of this course. All essays must be typed in MLA documented style. This course will be offered in the 1st semester opposite Advanced Literature. To take the course for dual credit you must have a minimum 3.0 GPA and 18 English ACT.

ADVANCED LITERATURE

Communication Arts - Weighted, Dual Credit

Prerequisite: None

Course #: h1121

Grades: 12

Credits: .5 Credits

This course is a first-year college introductory fiction course (3 semester hours). This course may be taken for dual credit through UMKC (Eng 214 Intro to Fiction) at a cost of approximately \$100 per credit hour. Students are required to have a cumulative GPA of 3.0 OR an ACT Composite score of 21 or higher to receive dual credit (but not to take the class). Content of this course includes all genres of fiction including short stories, poetry, drama and novels. Written assignments require the student's analytical interpretation of the works applying critical literary theory and connections to their lives and the world around them. Students will be expected to participate in small and large group discussions of the texts that they read. In addition, students will be required to read multiple texts of their own choosing (with teacher guidance) based on their abilities and interests and demonstrate their understanding of selected readings in the Independent Reading program. The class will be offered in the 2nd

semester opposite Composition. To take the course for dual credit you must have a minimum 3.0 GPA and 21 English ACT.

COMPETITIVE SPEECH AND DEBATE

Core Elective

Prerequisite: Competition Eligibility

Course #: h1332

Grades: 9, 10, 11, 12

Credits: 1 Credit

This class explores competitive speaking and interpretation. Students will present formal and informal speeches, and interpret literature through storytelling, prose, poetry, and humorous or dramatic interpretation.

This course will provide an introduction to Speech and Debate events and help students gain confidence in their public speaking skills. This class will also cover the principles and procedures of Lincoln-Douglas Debate, Public Forum Debate, and Student Congress. Students will learn to research a topic, formulate and defend arguments using sources, and attack opposing ideas logically. Assignments will also include preparing speeches and practicing speaking extemporaneously. Upon completing the class, students will be able to examine current events from multiple viewpoints and clearly articulate ideas. Students are required to attend and compete in speech tournaments during each semester. The class may be repeated

PUBLIC SPEAKING

Core Elective - Dual Credit Weighted

Prerequisite: GPA 3.0 & ACT 20

Course #: h1334

Grades: 11, 12

Credits: .5 Credits

Study will contain the theory of speech communication with emphasis on the development of specific skills in one-on-one and public speaking situations. Four semester weeks spent in a speech lab. Class is limited to 20 students. It is an ITV class through UCM and is only offered as a dual credit class. All students are required to pay \$80 per credit hour (cost is subject to change). Upon successful completion you will earn 3 college credits. Priority will be given to seniors.

MATHEMATICS COURSE DESCRIPTIONS

CONCEPTS OF ALGEBRA

Math

Prerequisite: Enrollment Based on Student Achievement Data

Course #:h3310

Grades: 9

Credits: 1

This course is the first year of an Algebra program. This course will cover the same basic properties, fundamentals and theorems as Algebra I at a slower, more in-depth pace. Students learn to state everyday problems in clear algebraic language and should gain an understanding of deductive reasoning. Algebra involves work with the real-number system. Students learn to solve all types of equations and inequalities. Function, relations, graphs and rational numbers are also studied.

ALGEBRA I

Math

Prerequisite: None

Course #: h3410

Grades: 9, 10

Credits: 1

Algebra is a tool the student will need to take his/her place as an educated person in the modern world of today and tomorrow. Students learn to state everyday problems in clear algebraic language and should gain an understanding of deductive reasoning. Algebra involves work with the real-number system. Students learn to solve all types of equations and inequalities. Functions, relations, graphs, rational numbers and quadratic equations are studied. Factoring polynomials and working with algebraic fractions are included.

GEOMETRY

Math

Prerequisite: Algebra I

Course #: h3450

Grades: 9, 10, 11

Credits: 1

This is a branch of mathematics dealing with points, lines, planes and solids. A study is made of angles, perpendicular lines, parallel lines and planes, congruent triangles, similar polygons, circles, arcs and angles, constructions and loci. Emphasis is placed on logical thinking and being able to express oneself precisely. Materials needed - scientific calculator, compass, protractor, and a ruler.

HONORS GEOMETRY

Math - Weighted
Prerequisite: Algebra I (B)

Course #: h3456
Grades: 9, 10, 11
Credits: 1

Geometry is a branch of mathematics dealing with points, lines, planes and solids. An in-depth study is made of angles, perpendicular lines, parallel lines and planes, congruent triangles, similar polygons, circles, arcs and angles, constructions and loci. Emphasis is placed on logical thinking, higher order reasoning skills, and being able to express oneself precisely. Students in the honors course will complete projects that focus on the analysis of geometric concepts and their applications in today's world. Materials needed - scientific calculator, compass, protractor, and a ruler.

ALGEBRA II

Math
Prerequisite: Geometry or Honors Geometry

Course #: h3510
Grades: 10, 11, 12
Credits: 1

Algebra II is a continuation of Algebra I. Some familiar topics are expanded upon and new topics are introduced and developed. A study is made of open sentences in one variable, systems of linear and quadratic equations, polynomials and factoring rational numbers and expressions, relations and fractions, irrational numbers, binomial expressions, and complex numbers.

HONORS ALGEBRA II

Math - Weighted
Prerequisite: Geometry(B) or Honors Geom(B)

Course #: h3516
Grades: 10, 11,12
Credits: 1

Algebra II is a continuation of Algebra I. A study is made of open sentences in one variable, systems of linear and quadratic equations, polynomials and factoring rational numbers and expressions, irrational numbers, complex numbers, relations and fractions and binomial expressions. This honors course will push students to go into greater depth over each topic.

COLLEGE PREPARATORY MATH

Math
Prerequisite: Algebra II

Course #: h3550
Grades: 12
Credits: 1

This course is a review of high school mathematics, covering General Math, Algebra I, Geometry, Algebra II and Trigonometry. Successful completion of this course will prepare the student for standardized mathematics testing: ACT, SAT, college mathematics placement test, etc. College Prep Math is designed for students who struggle mastering mathematics concepts, yet want to attend college. 1st Semester is devoted to General Math and Algebra I review, while the 2nd Semester covers Geometry, Algebra II and an introduction to Trigonometry. Materials needed: Scientific calculator.

PROBABILITY AND STATISTICS

Math - Weighted
Prerequisite: Algebra II or Honors Alg 2 (C)

Course #: h3602
Grades: 11, 12
Credits: 1

This class is designed for students who want a more "in depth" look at the Probability and Statistics Strand of Mathematics. Students looking towards a career involving mathematics will benefit from the depth of the topics covered. The Probability and Statistics course will cover: an introduction to basic concepts in statistical methods including probability, theoretical and empirical distributions, estimation, tests of hypotheses, linear regression and correlation.

TRIGONOMETRY/PRE-CALCULUS

Math - Weighted
Prerequisite: Algebra II or H Alg 2 (C)

Course #: h3612
Grades: 11, 12
Credits: 1

Trigonometry/Pre-calculus combines the previous study of algebra, geometry, and functions into a preparatory course for calculus. The first semester covers trigonometric ratios and functions, inverse trigonometric functions, applications of trigonometry and analytical trigonometry that includes the use of fundamental identities and the verification process or proof of these identities. Second semester focuses on the mastery of critical skills and exposure to new skills necessary for success in subsequent math courses. Topics include linear, quadratic, exponential, logarithmic, radical, polynomial, and rational functions as well as systems of equations and conic sections.

CALCULUS

Math - Weighted

Prerequisite: Trigonometry/Pre-Calc (C)

This class will begin with a study of limits, moving to differentiation. Differentiation topics include Newton's Method, Mean Value Theorem, linear approximation, related rate problems, and curve sketching techniques. The definite integral is defined and several integration techniques will be studied. Applications of integration that will be studied are areas under a curve and volume of revolution. This class will prepare students for taking Calculus at the College level.

Course #: h3711

Grades: 12

Credits: 1

COLLEGE ALGEBRA

Math - Dual Credit, Weighted

Prerequisite: GPA 3.0 & Math ACT 22

This dual credit college/high school course is a study of equations and inequalities, functions and graphs, and systems of equations and inequalities. It is an ITV class through UCM and is offered only as a dual credit class. All students are required to pay \$80 per credit hour (cost is subject to change). Upon successful completion you will earn 3 college credits. Priority will be given to seniors.

Course #: h3910

Grades: 11, 12

Credits: .5

**SCIENCE
COURSE DESCRIPTIONS**
PHYSICAL SCIENCE

Science

Prerequisite: None

This is an introductory science course which focuses on foundational concepts of physics and chemistry. Topics include Laws of Motion, matter and energy, elements and compounds, and the Periodic Table. Materials: Calculator, folder, pencils.

Course #: h4010

Grades: 9, 10, 11

Credits: 1 Credit

BIOLOGY I

Science – Required

Prerequisite: 9th Graders must be enrolled be Geometry or PLTW IED

Biology gives a detailed look at organisms on a cellular level, relationships with their environment, and other organisms. Topics covered include how energy and matter cycle within the ecosystem; cell parts, functions and processes including mitosis and meiosis; taxonomy, kingdoms, and biomes; genetics, genetic disorders and the structure of DNA; body systems. Students will explore through dissections, microscope work and continue the use of the scientific method. This course is required for all 10th graders. Materials: 1 inch thick 3 ring binder, 5 dividers. This is an EOC tested course.

Course #: h4050

Grades: 9, 10

Credits: 1 Credit

BIOLOGY II

Science - Weighted

Prerequisite: Biology I (C)

Biology II is an extension of Biology I. Topics discussed during the school year may include: Classification, structure and functions of Bacteria, Viruses, Plants and Animals; Development-the process of changes from one cell to many; Genetics-the study of DNA, genes, probability and traits; Marine Biology-ocean ecosystems and functionality; Comparative Anatomy-how different systems of animals compare and contrast with those of humans. Students will explore through dissections, microscope work and discussion. Class will include several projects. Materials: 1 inch thick 3 ring binder, 5 dividers,

Course #: h4112

Grades: 11, 12

Credits: 1 Credit

EARTH AND SPACE SCIENCE

Science

Prerequisite: None

This is an elective course for juniors and seniors. The first semester will focus on general principles and concepts of Astronomy, Composition of Earth and Surface Processes while the second semester will focus on Earth's Interior Processes, Geologic Time, Atmosphere and Weather.

Course #: h4150

Grades: 11, 12

Credits: 1 Credit

CHEMISTRY

Science

Prerequisite: Algebra 1 (C Average)

Course #: h4210

Grades: 9, 10, 11, 12

Credits: 1 Credit

Chemistry is the study of the structure and properties of matter and the study of the changes in matter. In this course, we will concentrate on classification of matter, the effects of energy, and subatomic structure. We will also discuss the development of the periodic table and the standards for naming compounds. Students will be able to perform calculations involving the reactions of materials and predict the outcomes of chemical reactions. We will finish the year looking at chemical bonding and molecular structure. This class relies heavily on math and logic skills. Each student is required to have a scientific calculator. (\$12-\$15)

CHEMISTRY II

Science -Weighted

Prerequisite: Chemistry (C Average)

Course #: h4249

Grades: 11, 12

Credits: 1 Credit

Chemistry II is structured to reinforce Chemistry 1 concepts and introduce advanced chemistry topics for students intending to pursue college pathways in science, engineering and health care. The course includes units in Stoichiometry, solution chemistry, thermochemistry and kinetics, electrochemistry, molecular structure and geometry, and nuclear chemistry. Materials needed: Scientific calculator and laboratory notebook.

PHYSICS

Science –Weighted

Prerequisite: Trigonometry/Pre-Calculus (Or Concurrently Enrolled) C

Course #: h4309

Grades: 11, 12

Credits: 1 Credit

This is an advanced course which studies the physical laws of nature. Topics include Newton's Laws of Motion, properties of moving objects, physical properties of matter, special relativity, electricity, magnetism and gravitational interactions. A large amount of the course will involve mathematics, and a scientific calculator is required.

ANATOMY/ PHYSIOLOGY

Science -Weighted

Prerequisite: Biology(C) or PBS(C), Chemistry(C)

Course #: h4359

Grades: 10, 11, 12

Credits: 1 Credit

Anatomy and Physiology is an in-depth study of the structure and function of the human body beginning at the molecular level and progresses through each level of organization. Subjects include basic biochemistry, metabolism, homeostasis, organelles, histology, anatomical and positional terminology, as well as organ systems including skeletal and muscular systems. Attention will be given to the individual functioning of each system and their interrelationships. Students will be challenged to self-study, as they will learn approximately 50 new terms per week. This is a rigorous course intended for those interested in human and animal health care sciences and advanced biology courses. This course is supplemented by 3 dissections including a summative dissection at the end of the course. Materials: Nitrile or vinyl gloves, dry erase markers.

METEOROLOGY A/B

Science

Prerequisite: Biology

Course #: h4362A/B

Grades: 10, 11,12

Credits: .5 Credits

Meteorology is an introduction to weather and climate. Topics include: observing and forecasting weather, physical properties and processes of the atmosphere, clouds, weather systems, and hazardous weather. Students will use data from weather satellites and radar to observe present and past weather patterns/events. By the end of the course, students will have an understanding of Earth's atmospheric processes, weather forecasting, and the impact weather can have on humanity.

ENVIRONMENTAL SCIENCE A/B

Science

Prerequisite: Biology

Course #: h4366A/B

Grades: 10, 11, 12

Credits: .5 Credits

Environmental Science is an extension of Biology that focuses on the interconnected relationships within ecosystems, human interaction and conservation, as well as the basic principles of natural selection. Topics include principles of ecology that look at breakdowns of organisms within an ecosystem, population dynamics within biomes and biological communities, positive and negative consequences of human activities and explanations of natural phenomena. Classes will explore this new course through microscope work, projects, graphs, diagrams and discussions.

SOCIAL STUDIES COURSE DESCRIPTIONS

AMERICAN HISTORY

Social Studies – Required

Prerequisite: None

Course #: h2010

Grades: 10

Credits: 1

Credit American History is a general survey of American history from 1865 to the present. Economics, geography, and political science are integrated into this course. Students will understand how the United States grows and changes, improving their understanding of the U.S. and its place in the world.

WORLD HISTORY/GEOGRAPHY

Social Studies – Required

Prerequisite: None

Course #: h2050

Grades: 9

Credits: 1 Credit

This course interweaves basic themes of geography with the history of the medieval, early modern and modern world. The primary focus of the course will be Western civilization and interactions between nations, states, and cultures with considerations to their impact on the world today. Reading, writing, and study skills will be emphasized throughout.

COMPARATIVE GOVERNMENT

Social Studies – Required unless DC Comp Government is taken

Prerequisite: None

Course #: h2070

Grades: 11

Credits: 1 Credit

The United States and Missouri Constitutions are the emphasis of this class. The actual writing of the document and the changes in modern interpretations will be the focus throughout the course. The course will also compare and contrast other forms of government throughout the world. American politics and in-depth looks at the three branches will be included.

DUAL CREDIT COMPARATIVE GOVERNMENT

Social Studies – Weighted, Dual Credit

Prerequisite: GPA 2.5

Course #: h2072

Grades: 11

Credits: 1 Credit

This course fulfills the Comparative Government requirement for graduation. Content is a university level AMERICAN GOVERNMENT course. It replaces COMP GOV on the student transcript and includes an option (at student expense) for three college credit hours through the UCM. Depth and breadth of content are enhanced in order to provide students with an even greater understanding of the governing and policy making process in the US.

ADVANCED PLACEMENT UNITED STATES HISTORY

Social Studies – Weighted

Prerequisite: None

Course #:h2013

Grades: 10, 11, 12

Credits: 1

AP U.S. History is designed to be the equivalent of a two-semester introductory college or university U.S. history course. In AP U.S. History students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; making historical comparisons; utilizing reasoning about contextualization, causation, and continuity and change over time; and developing historical arguments. The course also provides seven themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and

national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world; geography and the environment; and culture and society.

SOCIOLOGY

Social Studies -Weighted

Prerequisite - C average in Social Studies Courses

The goal of an introductory sociology course is to see the connection between the individual and society and to understand how social forces shape our behavior. Sociology studies life in groups; through this we gain insight into ourselves. Topics include social groups, culture, socialization, social control, sociological perspectives, and deviance. . This course is offered in the 1st semester opposite of Psychology

Course #: h2221

Grades: 11, 12

Credits: .5 Credits

PSYCHOLOGY

Social Studies - Weighted

Prerequisite: - C average in Social Studies Courses

This course provides an overview of the scientific study of human behavior. Topics include history, theory, biopsychology, sensation, perception, learning, abnormal psychology and other relevant topics. Upon completion, students should be able to demonstrate a basic knowledge of the science of psychology. This course is offered in the 2nd semester opposite Sociology.

Course #: h2210

Grades: 11, 12

Credits: .5 Credits

AMERICAN HISTORY: 1877 TO PRESENT Currently Inactive

Social Studies – Weighted

Prerequisite: None

This weighted course is a survey of American history from 1877 to the present. It is an advanced course designed for college bound students. Writing will be required as an integral part of the course. This course will be offered in the 2nd semester opposite Human Exploration or Great Empires of the World.

Course #: h2240

Grades: 11, 12

Credits: .5 Credits

HUMAN EXPLORATION

Social Studies – Weighted

Prerequisite: None

This weighted course will examine the various periods of human exploration of the earth and universe. Motivations for exploration, technological advances required, and the impacts of new discoveries will be our major themes as we examine exploration in the ancient world, the discovery of the New World, and the exploration of extreme locations including the arctic, Antarctic, highest mountains, ocean floor, and outer space. This is an advanced geography course focused on the themes of location and movement. This course is offered in the 1st semester of odd numbered years (2025-26) opposite Great Empires of the World.

Course #: h2245

Grades: 11, 12

Credits: .5 Credits

GREAT EMPIRES OF THE WORLD

Social Studies – Weighted

Prerequisite: None

This weighted course will examine the history of some of the greatest empires to ever spread across the earth. Topics will span world history to include great empires from the ancient world, the Far East, Africa, and Pre-Columbian America, as well as the early modern and modern world. This course is offered in the 1st semester of even numbered years (2024-2025) opposite Human Exploration.

Course #: h2239

Grades: 11, 12

Credits: .5 Credits

ECONOMICS Currently Inactive

Social Studies

Prerequisite: None

This course will investigate economic theory, applied economics, and practical economics. The basic concepts of market supply and demand, consumer decision making, finance, and entrepreneurship are a few of the topics that will be covered. The finance unit will include information on paying for a college education. Instruction will emphasize student research and applied math skills. This course is offered in the 1st semester opposite of Themes in American History or Cold War America.

Course #: h2411

Grades: 10, 11 12

Credits: .5 Credits

COLD WAR AMERICA Currently Inactive

Social Studies
Prerequisite: None

Course #:h2424
Grades:10,11,12
Credits: .5 Credits

This advanced American history course will focus on the Cold War that dominated global events between the End of World War II and the fall of the Soviet Union in the early 1990's. Topics will include the development of socialism and capitalism, the economic conflict between socialism and capitalism, military conflicts in Korea and Vietnam, the arms race, NATO and Warsaw Pact alliances, and even the role of the Cold War and its influence on athletic competition and the race to put a man on the moon. This course is offered in the 2nd semester of odd numbered years (2025-26) opposite Economics.

THEMES IN AMERICAN HISTORY Currently Inactive

Social Studies
Prerequisite: None

Course #: h2423
Grades: 10, 11, 12
Credits: .5 Credits

Students will be able to select and study major themes of their choosing for this advanced American history course. The focus will be on the time period from 1950 to the Present. An emphasis will be placed on independent research skills and the course will focus on exploring themes in great depth rather than covering a shallow, broad survey of events. Mastering research skills and the tools of social studies inquiry will be a major focus. This course is offered 2nd semester of even numbered years (2024-2025) opposite Economics

WORLD LANGUAGE COURSE DESCRIPTIONS

SPANISH I

Core Elective
Prerequisite: None

Course#: h0710
Grades: 9, 10, 11, 12
Credits: 1 Credit

Spanish I is intended for college-bound students. It presents an introduction to pronunciation, basic grammar and vocabulary through oral and written exercises, reading, discussion, and dialogues. Verbal skills, pronunciation and grammar in the conversational context are stressed, and reading in Spanish is emphasized. Instruction and language drills are intense and there is a heavy content of required memorized material. Oral participation is required and student success is heavily dependent upon accurate completion of daily work and mastery of sequential objectives. It is recommended that students maintain an A or B in order to remain functional in the class. The curriculum in foreign language classes is taught as a college preparatory course.

SPANISH II

Core Elective
Prerequisite: Span I (C)

Course#: h0720
Grades: 10, 11, 12
Credits: 1 Credit

Spanish II represents more advanced grammar such as commands; placement of different object pronouns; the preterite and imperfect past tenses; and the present progressive tense. Students practice listening skills and study Spanish culture through various discussions and explorations into different Spanish speaking countries. Online work is required. Thorough mastery of Spanish I structures are vital to success in Spanish II, and it is recommended that students maintain an A or B in order to remain functional in the class. There is heavy content of required memorized material. The curriculum in foreign language classes is taught as a college preparatory course.

SPANISH III

Core Elective
Prerequisite: Span II (C)

Course # h0719
Grades 11,12
Credits: 1

The course builds on the skills and concepts learned in Spanish I and II. A stronger emphasis will be placed on speaking, listening, reading/writing skills, and vocabulary acquisition. The students will learn more in depth information relating to sentence structures and putting thoughts together. Grammatically, the course continues to work on the preterite and imperfect tenses, while introducing the future tense. Throughout the year, students will read short stories, short books, articles and passages. Additionally, each unit involves learning of the different Spanish cultures and comparing them to our American culture through exploration of specific countries.

PROJECT LEAD THE WAY COURSE DESCRIPTIONS

PRINCIPLES OF BIOMEDICAL SCIENCE (PBS) PLTW

Science - Weighted

Prerequisite: Algebra I(C), Chemistry I(C) - 9th Graders Concurrently Enrolled

Course#: h4369

Grades: 9, 10

Credits: 1 Credit

In the introductory course of the PLTW Biomedical Science program, students explore concepts of biology medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems. Students accepted into this program will not take Physical Science. This course will fulfill the Biology graduation requirement and the Biology EOC will be taken in this class. This is a rigorous problem based applied science class.

HUMAN BODY SYSTEMS (HBS) PLTW

Health/ Core Elective – Weighted

Prerequisite: PBS or Biology I, Chemistry

Course #: h4376

Grades: 10, 11, 12

Credits: 1 Credit

Students examine the interactions of body systems as they explore identity, communication, power, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real world cases and often play the role of biomedical professionals to solve medical mysteries. This course will fulfill the Health graduation requirement.

MEDICAL INTERVENTIONS (MI) PLTW

Core Elective- Weighted

Prerequisite: HBS, Recommended: Anatomy

Course # h4377

Grades: 11, 12

Credits: 1 Credit

Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. This is a rigorous applied science class with an extensive lab component

BIOMEDICAL INNOVATIONS (BI) PLTW CAPSTONE

Core Elective- Weighted

Prerequisites: MI

Course #4378

Grades: 12

Credits: 1 Credit

In this capstone course, students apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences. Students design innovative solutions for the health challenges of the 21st century as they work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. Students will complete an internship or senior project to be presented at a Senior Showcase, during the spring semester. Students will have the opportunity to discuss their projects and or certifications with parents, and members of our local community.

INTRODUCTION TO ENGINEERING DESIGN (IED) PLTW

Practical Art - Weighted

Prerequisite: None

Course#:h4319

Grades: 9, 10,11,12

Credits: 1 Credit

Students dig deep into the engineering design process, applying math, science and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3-D modeling software and using an engineering notebook to document their work.

PRINCIPLES OF ENGINEERING (POE) PLTW

Core Elective - Weighted

Prerequisite: Alg 1

Course#:h4323

Grades: 10,11,12

Credits: 1 Credit

Through problems that engage and challenge, students explore a broad range of engineering topics including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

AEROSPACE ENGINEERING PLTW

Practical Art- Weighted

Prerequisite: Geom C; Recommended: Physics completed or concurrent enrollment

Course#:h4324

Grades: 11,12

Credits: 1 Credit

This course provides students with the fundamental knowledge and experience to apply mathematical, scientific, and engineering principles to the design, development, and evolution of aircraft, space vehicles and their operating systems. In the classroom, students will engage in creative thinking and problem-solving activities using software that allows students to design, test, and evaluate a variety of air and space vehicles, their systems, and launching, guidance and control procedures.

COMPUTER INTEGRATED MANUFACTURING PLTW

Practical Art - Weighted

Prerequisite: Geometry C

Course#:h5522

Grades: 11,12

Credits: 1 Credit

This course is designed to expose students to the fundamentals of computerized manufacturing technology. The course is built around several key concepts: Computer Modeling-using a three dimensional, solid modeling software package with mass property analysis. CNC Equipment - understanding the machine tools and its operating and programming aspects. CAM Software - converting computer generated geometry into a program to drive CNC machine tools. Robotics - using a robot for materials handling and assembly operations. Flexible Manufacturing Systems - working in teams to design manufacturing work cells and table top factory simulations.

ENGINEERING DESIGN AND DEVELOPMENT PLTW

Practical Art – Weighted

Prerequisite: C in IED & POE

Course#:h5519

Grades: 12

Credits: 1 Credit

(EDD) is the capstone course in the PLTW high school engineering program. It is an engineering research course in which students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology.

COMPUTER SCIENCE ESSENTIALS PLTW

Practical Art - Weighted

Prerequisite: None

Course#:h5008

Grades: 9,10,11,12

Credits: 1 credit

This course exposes students to a diverse set of computational thinking concepts, fundamentals, and tools, allowing them to gain understanding and build confidence. Students use visual, block-based programming and seamlessly transition to text-based programming with languages such as Python® to create apps and develop websites, and learn how to make computers work together to put their design into practice. They apply computational thinking practices, build their vocabulary, and collaborate just as computing professionals do to create products that address topics and problems important to them.

COMPUTER SCIENCE PRINCIPLES PLTW

Practical Art – Weighted

Prerequisite: Computer Science Essentials or App Creators/Innovators & Markers

Course#:h5009

Grades: 10,11,12

Credits: 1 credit

Computer Science Principles Using Python® as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. While this can be a student's first in computer science, students without prior computing experience are encouraged to start with Introduction to Computer Science. Computer Science Principles helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity, and simulation.

**PRACTICAL ART
COURSE DESCRIPTIONS**

AGRICULTURE SCIENCE COURSE DESCRIPTIONS – PRACTICAL ARTS

Three science based Ag classes that meet the criteria can equal a third year science class. The third science based Ag class must be taken in the junior year. Two science based Ag classes must be completed by the start of the third year. To be a member of FFA a student must be in at least one Ag class. Purchasing an FFA jacket is not required to be in FFA. Students have the option of taking the specified classes below for a total of 16 hours of dual credit. To meet State Standards for the Agriculture Program, anyone taking an Agriculture class will be required to join the FFA.

AGRICULTURAL SCIENCE I (ANIMAL SCIENCEI)

Practical Art

Prerequisite: None

Course #: h6110

Grades: 9, 10

Credits: 1 Credit

A course designed for instruction in animal science, food science, agricultural mechanics (Arc, MIG, Oxy-fuel welding and carpentry), careers, leadership through the F.F.A., supervised agricultural experience programs and record keeping. Units will give special attention to the application of science in the livestock industry, wildlife management, public speaking, meeting conduct, animal system & products. Hands on activities and projects will be incorporated. Joining F.F.A. is required. This class meets the criteria as one of the three ag classes which can equal third year science class.

AGRICULTURE SCIENCE II (PLANT SCIENCE)

Practical Art

Prerequisite: Agriculture Science I

Course #: h6150

Grades: 10, 11, 12

Credits: 1 Credit

Agricultural Science II is the second step in agricultural education and the FFA program. Students will expand on their knowledge and leadership training from Ag Science I, as well as introduce new topics. These topics can be career based topics that are stand alone for Ag Science II, or ones that may be expanded on in upper level Ag courses. Students will have an in depth look into plant science, woodworking, welding, soil science, entomology, Meat Science including quality and yield grading, Food Science introduction.. Small woodworking projects will be required and more shop time for those interested in Ag Mechanics. Joining F.F.A. is required. This class meets the criteria as one of the three ag classes which can equal third year science class.

AGRICULTURAL CONSTRUCTION

Practical Art

Prerequisite: Agricultural Science I

Course #: h6210

Grades: 11, 12

Credits: 1 Credit

This course contains modular units where students will learn hands-on skills and apply those skills to a project in each unit. Units include stick welding, MIG welding, Concrete, Plumbing, Electricity, Small Gas Engines, and more as time permits. Safety training in each unit is required. Students should be prepared to work each day in the shop. Shop appropriate attire is required on a daily basis and grade is determined from a combination of daily participation and project quality. As with all Ag Classes, joining FFA is required. Students are required to provide their own personal protective equipment.

WELDING

Practical Art

Prerequisite: Agriculture Sci I

Course #: h6230

Grades: 11, 12

Credits: 1 Credit

Through hands-on instruction students learn how to mig, arc and tig (aluminum) weld, oxy-fuel welding, plasma cutting, brazing and cutting. This course may be taken for dual credit through UCM 3 hours college credit when taken with Ag Structures and Small Gas Engines. Articulation with Linn State Tech College for 6 hrs credit is also available w/Welding 2. Welding skills will be developed in all positions and with different electrodes and different metals. After mastering required welds, students will be able to apply what they learn by building metal projects. Each project will have a point value assigned to it. Students will need to purchase welding gloves and safety glasses. Students are financially responsible for metal used in projects. Joining the F.F.A. will be required. Welding certification will be offered. (AGRI 1200 Ag Mechanics)

FLORICULTURE

Practical Art

Course #: h6432

Grades: 10, 11, 12

Prerequisite: Agriculture Science II

Credits: .5 Credits

This course involves a general study in working with greenhouse plants, the home garden and orchard, floral design concepts & projects. Growing plants in the greenhouse and construction of floral designs, corsages & boutonnieres will be included. Joining the F.F.A. is required and students will need to purchase plants for activities. This course meets the criteria as one of the three agriculture classes which can equal third year science class. This course will be offered in the first semester opposite of Greenhouse Management. This class is offered in odd numbered school years (2025-2026).

GREENHOUSE MANAGEMENT

Course #: h6410

Practical Art

Grades: 10, 11, 12

Prerequisite: Agriculture Science II

Credits: .5 Credits

This course will teach how to successfully grow garden and floriculture crops and plants (house plants). Instruction in soils and plant propagation, plant I.D. and their use will be included. Fun, hands-on learning will take place while learning how to grow poinsettias, flowers and vegetables in the greenhouse. Joining F.F.A. is required. This class meets the criteria as one of the three agriculture classes which can equal third year science class. This course will be offered in the second semester opposite Floriculture. This course will be offered in odd numbered school years (2025-2026).

CONSERVATION OF NAT. RESOURCES & WILDLIFE MGMT.

Course #: h6420

Practical Art

Grades: 10, 11, 12

Prerequisite: Agriculture Science I or Agriculture Science II

Credits: 1 Credit

A course that prepares students for activities in the conservation and/or improvement of natural resources such as water, soil, air, forests, fish, and wildlife for economic and recreational purposes. Many hands-on activities will be included. Hunter Education Certification and First Aid Training may be part of the course. Joining the F.F.A. will be required. This course meets the criteria as one of the three agriculture classes which can equal third year science class. Offered even numbered school years (2024-2025).

LANDSCAPING AND TURF MANAGEMENT

Course #: h6442

Practical Art

Grades: 10, 11, 12

Prerequisite: Agriculture Science I or Agriculture Science II

Credits: 1 Credit

This course prepares students for activities in the landscaping industry using techniques of landscape design, landscape construction, installation and maintenance of plants. Course units will include plant and soil science, plant propagation, plant identification, pesticides, turf management, landscape design, and site analysis and evaluation. Growing plants in the greenhouse will be included. F.F.A. Leadership and supervised agricultural experiences will be part of this course and special attention will be given to on-site practicums for student experience. Class meets the criteria as one of the three ag classes which can equal third year science class. Joining the F.F.A. is required. This class is offered even numbered school years (2024-2025).

ADVANCED ANIMAL SCIENCE

Course #: h6611

Practical Art

Grades: 10, 11, 12

Prerequisite: Agriculture Science I

Credits: .5 Credits

An advanced study in animal production in the areas of management, marketing, nutrition, breeding genetics, selection, animal health, meat classification and food processing. Instruction will include leadership development through the F.F.A. and supervised agricultural experience programs. The course will include units of Vet Tech Science, beef cattle, poultry, pork, dairy, goat & other animal species via student surveys. Joining the F.F.A. is required. This course meets the criteria as one of the three ag classes which can equal third year science class. This class will be offered in the 1st semester opposite of Animal Care Assistant/Intro to Veterinary Science Technology. This course will be offered in odd numbered school years (2025-2026).

ADVANCED AG LEADERSHIP, BUSINESS, SALES & COMMUNICATIONS

Course #: h6732

Practical Art

Grades: 10, 11, 12

Prerequisite: Agriculture Science I

Credits: 1 Credit

A student project based course designed for an individualized plan of study in the areas of Ag Leadership, Ag Economics, Ag Sales and Marketing, and Ag Communications with each student's career focus in mind. Course work could include, but not limited to, Ag Economic principles, Human Relations, Record Keeping, Verbal and written communications, Sales presentations, product displays in agriculture, Officer and group leadership training,

Parliamentary Procedure, SAEs, Job Training, Career/Leadership Development Events, Technical Skills Training and Teamwork will be included. Joining F.F.A. is required. (Combines Ag Business & Econ, Ag Sales & Marketing and Adv Ag Leadership.)

FOOD SCIENCE & TECHNOLOGY

Practical Art

Prerequisite: Ag1

Units including Food Preservation, Food Processing, Biochemistry, Selection & Consumer Health, Animal Products, BBQ science and more. Activities may include BBQ products, ham/bacon curing, basic butcher skills, milling grains, cereal formulation and food processing. Joining F.F.A. is required. This course meets the criteria as one of the three ag classes which can equal third year science class.

Course #: h6310

Grades: 10, 11, 12

Credits: 1 Credits

ANIMAL CARE ASSISTANT/INTRO TO VET SCIENCE TECHNOLOGY

Practical Art

Prerequisite: Agriculture Science I

Units including Business & Office Skills, Animal Identification, Clinic Safety, Animal Care, Clinic Procedures, Anatomy & Physiology, Zoonotic Diseases & Health, etc. Activities may include providing healthcare to small livestock (worming, hoof trimming, etc.), job shadowing, clinic visits/volunteer hours, etc. Joining F.F.A. is required. This course meets the criteria as one of the three Ag classes which can equal third year science class. This class will be offered in the second semester opposite of Advanced Animal Science. This course will be offered in odd numbered school years (2025-2026).

Course #: h6640

Grades: 11, 12

Credits: .5 Credits

BUSINESS COURSE DESCRIPTIONS – PRACTICAL ARTS

INTRODUCTION TO BUSINESS

Practical Art

Prerequisite: None

This course is designed to introduce students to how business works in today's society and to provide a foundation for other business courses. Content includes business functions such as accounting, management, marketing, and other consumer issues regarding money and money management, banking system and services, government's role in business, and technology in the business world. Students will be encouraged to join DECA, FBLA or another career technical student organization. Course is offered in the 1st semester opposite of Leadership in the Workplace.

Course #: h5020

Grades: 9, 10

Credit: .5 Credits

BUSINESS & PERSONAL LAW

Practical Art

Prerequisite: None

This course is designed to acquaint students with the basic legal principles relevant to their roles as citizens, consumers, and employees through a mixture of personal, business, and consumer law. The content includes the basic characteristics of the American system of free enterprise, rights of private property, basic elements of contracts, employer-employee relations, landlords and tenants, individual rights, wills and estates, family and juvenile justice law, and community property. Future Business Leaders of America will be incorporated into the class structure and membership is highly recommended. Course is offered in the 1st semester opposite Business Management.

Course #: h5151

Grades: 10, 11, 12

Credits: .5 credit

BUSINESS MANAGEMENT

Practical Art

Prerequisite: None

This course is designed to help students develop an understanding of skills and resources needed to manage a business. Instruction includes a general overview of American business, forms of business ownership, personnel management, labor-management relations, public and human relations, taxation, and government

Course#: h5021

Grades: 10, 11, 12

Credit: .5 Credits

regulations. The use of computers and software as tools in making business decisions in areas such as accounting, sales analysis, and inventory control is also introduced. Future Business Leaders of America will be incorporated into the class structure and membership is highly recommended. Course is offered in the 2nd semester opposite Business & Personal Law.

COMPUTER APPLICATIONS I

Practical Art

Prerequisite: None

Course #: h5014

Grades: 9, 10, 11, 12

Credits: .5 Credits

This course is designed to help students to begin to master skills with integrated software applications in the areas of word processing, spreadsheets, presentation management, and desktop publishing. Microsoft Office 2016 will be utilized. FBLA - Future Business Leaders of America will be incorporated into the class structure and membership is highly recommended.

COMPUTER APPLICATIONS II

Practical Art

Prerequisite: Computer Applications I

Course #: h5073

Grades: 9, 10, 11, 12

Credits: .5 Credits

This course will continue with advanced skills using Microsoft Office 2016 in the areas of word processing, spreadsheets, and presentation management. In addition, desktop publishing skills will be learned using Adobe InDesign and Adobe Photoshop. FBLA - Future Business Leaders of America will be incorporated into the class structure and membership is highly recommended.

MULTIMEDIA I

Practical Art

Prerequisite: Multimedia I

Course #: h6824

Grades: 9, 10, 11, 12

Credits: 1

Students will develop a proficiency in web, image, audio, and video editing through digital storytelling and journalism to be combined into one cohesive multimedia platform. Adobe applications will be used such as Dreamweaver, Photoshop, and Premiere Pro. Video lab equipment responsibility is of high importance. FBLA - Future Business Leaders of America will be incorporated into the class structure and membership is highly recommended.

MULTIMEDIA II

Practical Art

Prerequisite: Multimedia I

Course #: h6823

Grades: 9, 10, 11, 12

Credits: 1

This course introduces broadcast communications skills, processes of production and operation of video lab equipment. Students plan and organize elements of production including storyboarding, script writing, camera use, sound and video editing. Students will have the opportunity to present their work to the student body via TV broadcast program, ClawTV. Students will be required to film & attend school activities outside of school hours. This class can be repeated. FBLA - Future Business Leaders of America membership is highly recommended. This class may be repeated.

ACCOUNTING I

Practical Art

Prerequisite: None

Course #: h5100

Grades: 10, 11, 12

Credits: 1 Credit

This course is designed to build a basic understanding of manual and automated accounting principles, concepts, and procedures. Instruction in accounting plays an important role for students who are preparing for accounting careers after graduation—employment or higher level of education. It is also a crucial component of academic backgrounds for students who will pursue entrepreneurial ventures and small business ownership. An accounting simulation for a corporation that combines all principles learned throughout the year will be completed. FBLA Membership is highly recommended.

ACCOUNTING II

Practical Art

Prerequisite: Accounting I(C)

Course #: h5110

Grades: 11,12

Credits: 1 Credit

This course is designed to help students acquire a more thorough, in-depth knowledge of accounting procedures and techniques utilized in solving business problems and making financial decisions. Students will develop skills in analyzing and interpreting information common to partnerships and corporations, preparing

formal statements and supporting schedules, and using inventory and budgetary control systems. Computer applications will be integrated in each appropriate instructional unit. FBLA Membership is highly recommended.

YEARBOOK COURSE DESCRIPTIONS - PRACTICAL ARTS

YEARBOOK

Elective

Prerequisite: Application/Interview

Course #: h1523

Grades: 9,10, 11, 12

Credits: 1 Credit

Students will learn the principles of designing, editing and proofing as they prepare the copy and layout for the yearbook. Assignments involve a great deal of out-of-class gathering information and writing. Ability to use the computer is essential and respect for deadlines is vital for one's success in this class. Yearbook staff members must assist in photography duties and select quality prints for use. Enrollment in this class is limited. This class is a year-long class that cannot be dropped. Additionally, semester graduates will not be accepted. This class can be repeated. FBLA - Future Business Leaders of America membership is highly recommended.

MARKETING COURSE DESCRIPTIONS - PRACTICAL ARTS

LEADERSHIP IN THE WORKPLACE

Practical Art

Prerequisite: None

Course #: h6805

Grades: 9, 10

Credits: .5 Credits

This course is designed for freshmen and sophomores who are interested in developing leadership skills. This is a project-based leadership course that will develop student understanding and skills in such areas as emotional intelligence, professional development, and communication. Students will acquire an understanding and appreciation of the need for leadership at school, home, and in the community. Students in this class will plan, organize and implement a service-learning project. Students will be presented with various problem-solving situations for which they must apply academic and critical thinking skills. Students will be encouraged to join DECA, FBLA or another career technical student organization. Course is offered in the 2nd semester opposite Intro to Business.

MARKETING I (FUNDAMENTALS)

Practical Art

Prerequisite: None

Course #: h6810

Grades: 10, 11, 12

Credits: 1 Credit

This course is for students interested in the field of marketing and business. This is a foundation course and will introduce students to the free enterprise system and the marketing functions and processes required to get goods and services from the producer to the consumer. Units of study will include economics, sales, promotion, pricing strategies, channel management and careers. DECA membership is strongly encouraged (\$20).

MARKETING II (ADVANCED)

Practical Art

Prerequisite: Marketing Fundamentals (C)

Course #: h6811

Grades: 11, 12

Credits: 1

This course is designed for students that are interested in pursuing a career in the field of marketing and management. We will cover basic marketing and managerial concepts related to Entrepreneurship with an emphasis on Fashion Merchandising, Sports and Entertainment Marketing, and Hospitality & Tourism Management. Instruction will prepare the students to perform one or more of the marketing functions, such as selling, buying, pricing, promoting, market research, and management. Students will be involved in Problem Based Learning activities along with working alongside local business partners. DECA membership is required (\$20).

MARKETING INTERNSHIP

Practical Art

Prerequisite: GPA 2.75; 95% Atten, Marketing II or Concurrently Enrolled

Course #: h6850

Grades: 12

Credits: 1 Credit

This is a rigorous, progressive course of study that builds on core academic instruction, marketing-specific content knowledge and skills and contextual on-the-job training. The marketing internship is a unique program that combines classroom instruction, cooperative work experience, and student activities in DECA. Students will be placed in 3-4 internship positions throughout the year that will contribute to the development of the skills

necessary for successful employment in the field of marketing. Internships will be available in sales, finance, risk management, human resources, hospitality, public relations, merchandising and customer service. DECA membership is required. (\$20)

FAMILY AND CONSUMER SCIENCES COURSE DESCRIPTIONS - PRACTICAL ARTS

EXPLORATORY FAMILY & CONSUMER SCIENCE

Practical Art

Prerequisite: None

Course #: h5310

Grades: 9, 10, 11, 12

Credits: 1 Credit

This course prepares students for leadership roles in family, career and community. It includes the exploration of family and consumer science content areas. Areas to be studied are decision making, problem solving, family, clothing, interior design, career exploration and nutritional science. Throughout this course there will be opportunities to demonstrate the knowledge and skills gained by utilizing various FCCLA programs by being an active, affiliated member. The lab fee for this course is \$25.00 (lab supplies for foods labs, sewing lab, and regional/ national FCCLA affiliation)

INTERIOR DESIGN & HOUSING

Practical Art

Prerequisite: FACS(C)

Course #: h5351

Grades: 10, 11, 12

Credits: .5 Credits

This course includes the study of how homes fulfill human needs through design, types of housing styles, interior design, the elements of design (color, line, texture, form & space), floor plans, furniture selection and arrangement, wall and floor coverings and window treatments. Students will be required to do some individual projects. This class will be offered in the 1st semester opposite Fashion Design & Fabrication.

FASHION DESIGN & FABRICATION

Practical Art

Prerequisite: FACS(C)

Course #: h5382

Grades: 10, 11, 12

Credits: .5 Credits

Fashion Design and Fabrication is a course focused on the history of clothing, the fashion industry, consumerism, and apparel construction. Students enrolled in this course will do research and method based projects to demonstrate content knowledge and know-how. Basic to moderate sewing skills will be taught, applied and mastered in this semester-long course. A detailed supply list will be provided for this course. The materials fee for this course is estimated to be \$40. This class will be offered in the 2nd semester opposite Interior Design & Housing.

Nutrition & Foods I

Practical Art

Prerequisite: FACS (C)

Course #: h5371

Grades: 10, 11, 12

Credits: .5 Credits

This course prepares students to understand the principles of nutrition, the relationship of nutrition to health and wellness, understanding and using nutritional knowledge for personal food choices, the selection, limited preparation and care of food; meal management to meet individual and family food needs and patterns of living, food economics and optimal use of the food dollar. Course offered 1st semester opposite of Foods II. The lab fee for this course is \$30.

FOODS II

Practical Art

Prerequisite: Nutrition & Foods 1 (C)

Course #: h5372

Grades: 10, 11, 12

Credits: .5 Credits

This course provides students the opportunity to study advanced cooking techniques and international cooking. In-depth study of recipe-specific application of cooking skills will be part of this class. Career explorations in the foods industry will be researched. This course is offered in the 2nd semester opposite of Nutrition & Food I. The lab fee for this course is \$30.

CREATIVE FOODS

Practical Art
Prerequisite: Foods II (C)

Course #: h5376
Grades: 11, 12
Credit: 1 Credits

This is the final course in the food focused program of study. Students enrolled in this course will apply food preparation principles in advanced ways. Students will focus on themed meal planning, the use of alternative ingredients, and specified cuisines. Students will have the ability to master basic skills and learn and practice advanced food applications. This class requires a lab fee of \$40.00.

CHILD DEVELOPMENT I

Practical Art
Prerequisite: FACS(C)

Course #: h5391
Grades: 10, 11, 12
Credits: .5 Credits

This course provides students to study the intellectual, social, emotional and physical development of children. Additional topics covered include pregnancy and childbirth, positive parent/caregiver child relations and practices, and the environmental influences on child development. Developmental theorists and milestones of early childhood education will be explored, discussed and analyzed. This course is offered in the 1st semester opposite of Child Development 2.

CHILD DEVELOPMENT II

Practical Art
Prerequisite: Child Development 1 (C)

Course #: h5392
Grades: 10, 11, 12
Credits: .5 Credits

This course provides students advanced study in child development and guidance; including physical, social, emotional, intellectual and moral development of children. Actual experience in observing and working with children provides the opportunity to improve skills for the future, explore careers related to child and enhance general employment skills. This class fee is \$40.00 for CPR training and certification. This course is offered in the 2nd semester opposite of Child Development 1.

GENERAL INDUSTRIAL TECHNOLOGY SCIENCES COURSE DESCRIPTIONS – PRACTICAL ARTS**WOOD TECHNOLOGY**

Practical Art
Prerequisite: None

Course #: h5550
Grades: 10, 11, 12
Credits: 1 Credit

This course gives students classroom and fundamental laboratory experience in the areas of woodworking. Students will construct projects using power tools common in a home workshop. Projects will increase in difficulty and skill level as the year progresses. .

Supplies are \$100.

ADVANCED WOOD TECHNOLOGY

Practical Art
Prerequisite: Wood Technology

Course# h5551
Grades 10,11,12
Credits: 1

Advanced Wood Technology is an opportunity for students to use the technical skills learned in Wood Technology to complete required and personal projects. Projects in this course will require a greater emphasis on design and precision while using more specialized tools and machinery. An estimated cost for supplies is \$150

**FINE ART
COURSE DESCRIPTIONS**
ART COURSE DESCRIPTIONS – FINE ARTS**ART I**

Fine Art
Prerequisite:

Course #: h7010
Grades: 9, 10, 11, 12
Credits: 1 Credit

This course is a basic introductory art course. An overview and introduction to Visual Arts will be provided. A foundation of knowledge in art will be built upon the elements of art and principles of design. A variety of art tools and materials will be used. Students will explore drawing, painting, printmaking, bookmaking, mixed media, and ceramics. With an emphasis on studio production, this course is designed to develop higher-level thinking in the areas of: art-related tech, art criticism, art history, and aesthetics. The estimated cost for supplies is: \$10. Art 1 is a prerequisite for Drawing, Painting, Ceramics, Sculpture and Studio Projects.

DRAWING

Fine Art

Prerequisite: Art 1

Course #: h7051

Grades: 10, 11, 12

Credits: .5 Credits

In this studio art course students will learn to see and draw accurately from direct observation. Students will study perspective, proportion, contour line, and shading. An introduction to identifying and using realistic facial and figure proportions will be made. Emphasis will be placed on drawing accurately from different angles and eye levels. Students will explore a variety of drawing media: pencil, pen & ink, colored pencil, oil pastel, chalk pastel, and charcoal. This course is designed to develop higher-level thinking in the areas of art production, art criticism, art history, and aesthetics. This course is offered in the 1st semester opposite of Painting. The estimated cost for supplies is \$10.

PAINTING

Fine Art

Prerequisite: Art 1

Course #: h7062

Grades: 10, 11, 12

Credits: .5 Credits

In this studio art course students will study color theory, light, value, portraiture, still life and use a sketchbook to research. Media include acrylic, oil paint, and watercolor. This course is for the artist interested in expanding his/her skills and exploring a variety of painting techniques and subjects. Students will develop higher-level thinking in the areas of art production, art criticism, art history, and aesthetics. Watercolor paper, canvas, acrylic paints, oil paints, and brushes will be purchased through the school. This course is offered in the 2nd semester opposite of Drawing. The estimated cost for supplies is \$20.

CERAMICS

Fine Art

Prerequisite: Art 1

Course #: h7111

Grades: 10, 11, 12

Credits: .5 Credits

This course is designed to introduce students to the different techniques and types of hand built ceramics. Examples of slab, coil and pinch pots will be constructed as well as slip addition and ceramic decoration, cleaning greenware and the finishing and decorating of that greenware. Advanced sculptures in clay will be explored later in the semester or year. The estimated cost for supplies is \$20. This course is offered in the 1st semester opposite Sculpture. This class may be repeated for advanced exploration.

SCULPTURE

Fine Art

Prerequisite: Art 1

Course #: h7120

Grades: 10, 11, 12

Credits: .5 Credits

Students will be studying and creating different kinds of sculptures: Low relief, high relief, in the round, kinetic, additive, and subtractive. Sculptures will be created from a variety of different materials including: CD, clay, wire, metal, wood, fibers. This course is designed to develop higher-level thinking in the areas of art production, art criticism, art history, and aesthetics. The estimated cost for supplies is \$25. This course is offered in the 2nd semester opposite Ceramics. This class may be repeated for advanced exploration.

STUDIO PROJECTS

Fine Art

Prerequisite: Portfolio Review by Teacher

Course #: h7190

Grades: 12

Credits: 1 Credit

Students will expand their portfolio from advanced art classes and will work on a specific emphasis. The emphasis will be chosen collaboratively between the student and instructor. Class size will be limited so more individual study can be done. Note: The logical and most beneficial order of taking art classes is: Art 1, Drawing/Painting, Ceramics/Sculpture, Photography/Computer Art, Studio Projects. The approximate cost for this class is \$20 each semester.

PHOTOGRAPHY

Fine Art

Prerequisite: Art 1

Course #: h7151

Grades: 10, 11, 12

Credits: .5 Credits

This is a basic course in digital photography. Various camera settings will be learned to offer greater creative and technical control. This course builds the foundation for visual literacy regarding both form and content of photographic images. The elements and principles of design as they relate to photographic composition are emphasized. Digital processing techniques are introduced using Adobe Photoshop. This course is designed to develop higher-level thinking in the areas of art production, art criticism, art history, and aesthetics. At least 1 hour

of homework will be required each week. A digital camera and lenses will be available for students to check out. If a student uses their own digital camera, they must be able to use the manual settings and have the instruction manual with them. The estimated cost for supplies is \$10. This course is offered in the 1st semester opposite Photo 2/Graphic Design.

PHOTOGRAPHY 2 / COMPUTER ART

Fine Art

Prerequisite: Art 1 & Photography

Course #: h7153

Grades: 10, 11, 12

Credits: .5 Credits

Students will advance in knowledge and exploration in Photoshop. Students will build a portfolio of their work. This course is offered in the 2nd semester opposite Photography. Students will use Adobe Illustrator in more of an artistic sense rather than a commercial one. Production in this class would resemble that of a freelance graphic artist. The estimated cost for supplies is \$10. This course is offered in the 2nd semester opposite Photography.

INSTRUMENTAL MUSIC COURSE DESCRIPTIONS – FINE ARTS

HIGH SCHOOL BAND

Fine Art

Prerequisite: Band(C)

Course #: h7310

Grades: 9, 10, 11, 12

Credits: 1 Credit

High School Band is the culmination of several years of Instrumental Music classes. This is a performing musical organization. First part of the year is marching band, performing at football games, parades and festival competitions. Concert band then performs concerts and adjudicated music festivals and state music festivals.

Band is a course, which is also an Interscholastic Activity. It competes within the guidelines of the "MSHSAA." *These activities can provide the student with educational experiences and learning outcomes that contribute toward the development of good citizenship. This can be accomplished only when the emphasis is placed upon teaching "through school activities." Interscholastic activities can be justified only when this is at its primary philosophy and purpose.

This class does require extracurricular rehearsals and performances outside of the regular school day. A summer band camp will be held for preparation of marching band. Participation in these activities will be graded and count toward the final grade in class. Students will enroll in the spring semester and \$75 of the \$150 band fee will be due by May 15th with the remainder due at uniform checkout in August (payment plans are available by contacting the band director). Students may drop band before July 15th and receive a refund of \$75. After July 15th, no refunds will be given and no drops will be allowed after July 20th. Students must be well groomed with a proper hairstyle. Failure to comply will result in non-participation and a failing grade for those performances not attended. *Quote is taken from the Music Manual of MSHSAA. Purpose and Philosophy section Page 3, Paragraph B.

MUSIC OF THE WORLD

Fine Art

Prerequisite: None

Course #:h7615

Grades: 9, 10, 11, 12

Credits: .5 Credit

This semester course focuses on the music cultures and traditions from across the globe. The course includes analysis of musical elements, dance, and vocal music from a variety of genres and world music. This course does involve digital and in-person projects in group and individual settings.

HISTORY OF WESTERN MUSIC

Fine Art

Prerequisite: None

Course #:h7614

Grades: 9, 10, 11, 12

Credits: .5 Credit

This semester's course focused on the history and development of music in Western culture including jazz, opera, Broadway musicals, rock and roll, and movie soundtracks. This course does involve digital and in-person projects in group and individual settings.

UKULELE I

Fine Art

Prerequisite: None

Course #h7311

Grade 9,10,11,12

Credits: .5 Credit

This course is designed to provide a positive atmosphere for students interested in developing music skills while learning to play the ukulele, without the added responsibility of formal performances. Students will explore

the history of music, music literacy, through listening to music, and playing the ukulele. The goal is to provide students with experiences that will enhance their appreciation for music and help them relate in musical terms throughout their lifetime.

UKULELE II

Fine Art

Prerequisite: UKULELE I

Course # h7312

Grade 9,10,11,12

Credits: .5 Credit

This course is designed to build on the concepts learned in Ukulele I. Students will study advanced playing techniques while continuing to explore the history of music and music literacy.

VOCAL MUSIC COURSE DESCRIPTIONS – FINE ARTS

HILLSOUND CHOIR

Fine Art

Prerequisite: Audition

Course #: h7410

Grades: 9, 10

Credits: 1 Credit

This is an audition-only choir for Freshmen and Sophomores. Students will sing concert choir literature as well as show choir literature. Possible performances at the Renaissance Festival, District and State music festivals, seasonal concerts, show choir competitions, and choir festivals will be required. Grading will be based on performance attendance, and classwork. Passing grades in all course work are mandatory for participating and continuance in this choir. This class has a fee of \$150 which purchases costumes that become the student's property at the conclusion of the show choir season. Travel might also be a part of this group. Fundraising is available to help pay for fees and travel costs. Proper appearance including hairstyles is a requirement for all choir members.

HILLTOP HARMONY - Women's Chorus

Fine Art

Prerequisite: Audition

Course #: h7420

Grades: 9, 10, 11, 12

Credits: 1 Credit

This is an audition-only choir for soprano/altos. Singing and dancing are requirements of this class. Opportunities for singing a variety of styles of music will be available. These styles include Classical, Contemporary and show choir music. Performances at District and State Music festivals, seasonal concerts, show choir competitions, and choir festivals will be required. Grading will be based on performance attendance and classwork. Grading will be based on performance attendance, hard work and good conduct in class. Passing grades in all course work are mandatory for participating and continuance in this choir. This class has a fee of \$350 which purchases costumes that become the student's property at the conclusion of the show choir season. Travel might also be a part of this group. Fundraising is available to help pay for fees and travel costs.

HILLSIDE SINGERS

Fine Art

Prerequisite: Audition

Course #: h7460

Grades: 10, 11, 12

Credits: 1 Credit

This is a show choir ensemble for advanced vocalists and performers with singing and dancing ability. A parent meeting, a singing and dancing audition and a signed contract by the singer and parent are required. Repertoire will vary greatly depending upon the season, starting with a choreography camp in June and complete show in the fall, holiday music, District and State music festivals and show choir competitions. Grading will be based on performance attendance and classwork. Passing grades in all course work are mandatory for participating and continuance in this choir. This class has a fee of \$500 which purchases costumes that become the student's property at the conclusion of the show choir season. Travel might also be a part of this group. Fundraising is available to help pay for fees and travel costs. Proper appearance including hairstyles is a requirement for all choir members.

CONCERT CHOIR

Fine Art

Prerequisite: Audition

Course #: h7490

Grades: 9, 10, 11,12

Credits: 1 Credit

This choir is open to all students interested in becoming better singers. Opportunities for singing a variety of styles of music will be available. These styles will include classical and contemporary. There are four required performances throughout the year, with opportunities for additional performances available to those interested.

Concert attire will be provided for performances. Grading will be based on performance attendance and classwork. Passing grades in all coursework is mandatory for participation and continuance in this choir.

POWERHOUSE

Fine Art

Prerequisite: Audition

Course #: h7440

Grades: 9, 10, 11, 12

Credits: 1 Credit

This is an audition-only choir for tenor/bass voices. Opportunities for singing a variety of styles of music will be available. These styles will include Renaissance, Classical, Contemporary and show choir music. Performances at the District and State music festivals, seasonal concerts, show choir competitions, and choir festivals will be required. Grading will be based on performance attendance and classwork. There is a fee of \$150 for this choir which will be used to purchase costumes that will be the student's property at the conclusion of the show choir season. Travel might also be a part of this group. Fundraising is available to help pay for fees and travel costs. Proper appearance including hairstyles is a requirement for all choir members.

THEATRE ARTS COURSE DESCRIPTIONS – FINE ARTS

INTRODUCTION TO THEATRE

Fine Art

Prerequisite: None

Course #: h7715

Grades: 9, 10, 11, 12

Credits: 1 Credit

As an introduction to theatre, the student will experience an overview of the theatrical experience. Units may cover theatre etiquette, the history of Theatre, theatrical styles, technical theatre, business, script analysis, playwriting and basic performance. Students will audition for a play during this course.

PERFORMANCE & PRODUCTION

Fine Art

Prerequisite: Intro to Theatre or Technical Theatre

Course#: h7716

Grades: 10, 11, 12

Credits: 1 Credit

This class will focus on performance styles, script analysis, and theatrical techniques. We will explore a variety of performance types ranging from storytelling, traditional acting, physical performance and interpretation of literature. Additionally, this class will explore technical theatre through hands-on projects for the PHHS theatre department productions. Students will audition for the school shows during this course. Regular Authentic Audience Assessments will be required. This class may be repeated.

TECHNICAL THEATRE

Practical Art

Prerequisite: None

Course #: h7721

Grades: 9,10,11,12

Credit: 1 Credit

This is a survey course where we learn about a wide variety of aspects of theatre. Students will learn about; the buildings themselves, careers in theatre, lighting, set construction, sound, hair & wigs, props, costuming, make-up, elements of design, and stage management- which includes creating a portfolio. We will also be working in the theater to create the backstage elements for our performances. The class may be repeated.

<p>PERSONAL FINANCE COURSE DESCRIPTION</p>

PERSONAL FINANCE A/B

Personal Finance – Required

Prerequisite: None

Course #: h5322A/B

Grades: 10, 11,12

Credits: .5 Credits

This course is designed to introduce students to several aspects of financial responsibility, which will prepare them for living on their own. Emphasis will be on the components of income, managing one's money, using credit, personal spending, saving and investing for the future.

HEALTH COURSE DESCRIPTION

HEALTH A/B

Health – Required

Prerequisite: None

Course #: h8612A/B

Grades: 9, 10, 11, 12

Credits: .5 Credits

The purpose of this course is to give students a better awareness and a more up-to-date look at health and its importance to them as individuals. Some topics discussed are: alcohol, drugs, first aid, safety, tobacco, bone and muscle structure and mental health and wellness. This course is a requirement for graduation.

PHYSICAL EDUCATION COURSE DESCRIPTIONS

* 9th-10th grade students can only enroll in one PE course per semester. 11th-12th grade students are limited to two PE courses any given semester.

9th Grade PE

PE

Prerequisite: None

Course #: h8121

Grades: 9

Credits: 1 Credit

The majority of each student's physical education grade is based on participation. This course is designed for 9th grade students who are interested in participating in various team and individual sport activities. The following are some of the activities that will be included: Volleyball, Basketball, Bowling, Aerobics, Softball, Speedball, Floor Hockey, Pickleball, Badminton, Flag Football and Swimming.

10th-12th Grade PE

PE

Prerequisite: None

Course #: h8171

Grades: 10, 11, 12

Credits: 1 Credit

The majority of each student's physical education grade is based on participation. This course is designed for 10th-12th grade students who are interested in participating in various team and individual sport activities. The following are some of the activities that will be included: Volleyball, Basketball, Bowling, Aerobics, Softball, Speedball, Floor Hockey, Pickleball, Badminton, Flag Football and Swimming. This class can be repeated.

AEROBICS

PE

Prerequisite: None

Course #: h8211

Grades: 9,10,11,12

Credits: 1 Credit

The majority of each student's physical education grade is based on participation, so dressing out on a daily basis is a necessity. To receive participation points, a student must wear the appropriate clothing (athletic shoes, T-shirt, shorts) and actively participate. This class will include cardio, yoga, Pilates, strength training, and dancing. This class can be repeated.

STRENGTH AND CONDITIONING

PE

Prerequisite: Sports Physical

Course #: h8210

Grades: 9, 10, 11, 12

Credits: 1 Credit

Strength and Conditioning is a coeducational, advanced physical education class. It is designed to help student athletes understand the procedures and techniques involved in safely and effectively using training facilities and equipment to improve athletic performance and general fitness. In a focused and intense environment, students learn to use proper programming and technique to improve muscle size, strength and/or tone, explosiveness, flexibility, and endurance. Additionally, students will learn the proper means for positive weight gain and healthy weight loss, ways to exercise target muscle groups, and terminology used in this discipline. **Students must have a current physical to participate in this class.** This class can be repeated.

SPORTS OFFICIATING

Elective

Prerequisite: None

Course #: h8181

Grades: 10, 11, 12

Credits: .5 Credit

This course will provide the student with the knowledge and experience necessary to officiate in physical education classes, intramurals, and interscholastic contests. It includes the basic fundamental skills on officiating,

as well, basketball and softball/baseball and others. Elements of sports history, including social events, rule changes and monumental achievements will also be included in this course. It is designed to train the student to be able to:

- a. Demonstrate & articulate knowledge of the rules of football, volleyball, soccer, basketball & softball/baseball.
- b. Demonstrate & articulate correct officiating techniques & mechanics in sports listed above.
- c. Pass official certification tests if so desired.

This class is offered 1st semester opposite Lifetime Recreation. This class does not satisfy the required PE credit for graduation. This class may not be repeated.

LIFETIME RECREATION

Elective

Prerequisite: None

Course#: h8182

Grades: 10,11,12

Credits: .5 credit

This course is designed to provide students with general skill, rules, and knowledge of recreational activities. Units covered include: badminton, table tennis, horseshoes, golf, Frisbee activities, archery, bowling, darts, volleyball, golf, croquet, and more. We will cover the basic skills necessary to participate in and keep score for these activities. This class is offered in the 2nd semester opposite Sports Officiating. This class does not satisfy the required PE credit for graduation. This class may not be repeated.

FITNESS WALKING

Elective

Prerequisite: None

Course#: h8183

Grades: 9, 10, 11,12

Credits: 1 credit

The purpose of this class is to assist the student in the improvement of their cardiovascular fitness through walking. This course also seeks to increase the student's knowledge of training methods so that they may develop their own programs. There will be an emphasis on stretching, conditioning exercises, fluid needs, and injury prevention. Upon completion, students should be able to participate in a recreational walking program. Student progress will be monitored and analyzed throughout the course. Students will be required to keep a walking log and submit it weekly to the instructor. Heart rate, total steps and intensity will be recorded. There will be written midterm and final which will cover fitness and wellness principles associated with this course. This course can be repeated.

AIDES, ASSISTANTS & VIRTUAL LEARNING COURSE DESCRIPTIONS

CADET TEACHER

Elective

Prerequisite: 2.5 Cumulative G.P.A., 90% Attendance, Application

Course #: h0120

Grades: 12

Credits: 1 Credit

This course is for students who are seriously considering entering the teaching profession. During the first semester, in a traditional classroom setting, students will learn about the essentials all aspiring teachers should know in how to be effective teachers. Topics will include, establishing relationships, creating effective procedures, creating expectations, classroom management, teaching styles, types of assessment, and staff collaboration. Throughout the second semester students will apply their knowledge in a classroom setting in a building within the Pleasant Hill School District. Preference in cadet teaching placement will be accepted from students, however, the final determination will be made by the cadet teaching supervisor. Membership in FTA (Future Teachers of America) is required once a student is selected into the cadet teaching program.

LIBRARY AIDE

Elective

Prerequisite: GPA 2.5, Application

Course #: h0115

Grades: 11, 12

Credits: None

Library Aides will be selected from those who apply during spring enrollment. Students will gain knowledge in the use of libraries and information technologies. Work experience under supervision introduces the student to demands of a regular job and how to execute these demands. Students will learn responsibility, accuracy, neatness, cooperativeness and problem solving. Library aides will help students locate information, answer questions, assist the librarian in circulating and keeping materials in order. Duties are assigned weekly and rotated for more interest and experience. Limit: 1 student/ hour.

TEACHER'S AIDE

Elective

Prerequisite: Teacher Approval

Course #: h0111

Grades: 12

Credits: None

Students will help the teacher with various preparation and clerical tasks as needed. In order to be a teacher's aide, students must have 90% attendance from the previous school year, maintain a C average in their classes, and be on-track to graduate by the end of their senior year. Prior approval from a teacher must be obtained prior to registering to be a teacher's aide.

Students may only enroll in one non-credit class per semester.

SUPERVISED WORK CLASS & WORK RELEASE EXPERIENCE

Practical Art

Prerequisite: Application

Course #: h5160

Grades: 12

Credits: Work Release Class - 1 Credit
Work Release Exp. - 2 Credits

This course combines classroom instruction, cooperative work experience, and student activities. The student will receive practical on-the-job experience in a supervised work position. All jobs must be approved by the program coordinator prior to enrollment. To be eligible to earn 3 total credits and be released 1/2 day from school you must complete an average of 20 hours/week. If a student loses their job, they must supplement their hourly requirement with community service work. Students are prohibited from taking a Learning Lab or being a Teacher's Assistant (TA) with this course.

LAUNCH

Missouri Course Access and Virtual School Program (MoCAP) was established in 2007 as the state's online school. It was previously known as Missouri Virtual Instruction Program (MOVIP). The Pleasant Hill R-III School District's preferred provider is LAUNCH. Launch is operated and overseen by the Springfield, MO School District and currently offers over 120 courses. Course descriptions can be found at <http://fueledbylaunch.com/courses/>. If a student wishes to pursue an online class offering they must see their school counselor.

**CASS CONNECT ONLINE
COURSE DESCRIPTIONS**

Cass Connect offers extended learning opportunities to students through an online curriculum. These courses are offered using Canvas, an online learning management system. All credit earned by students is reflected on the PHS transcript.

FOUNDATION OF CRIMINAL JUSTICE CC

Social Studies Elective

Prerequisite: None

Course #: h2230CC

Grades: 9,10,11,12

Credits: .5 Credits

Foundations in Criminal Justice in an online course lasting 14 weeks that provides students with a broad orientation to the key components of the criminal and juvenile justice systems while exploring careers in Criminal Justice. Students learn about historical developments and current practices in criminal law, corrections, and the courts, and explore in greater depth the meaning of crime and justice and the relationship between criminal justice and social justice. This course is offered in the 1st semester only.

HISTORY OF SPORT CC

Social Studies Elective

Prerequisite: None

Course #: h2237CC

Grades: 9,10,11,12

Credits: .5 Credits

History of Sport is an online course lasting 14 weeks that examines the evolution of amateur, interscholastic, and professional sports over time. Most of the assignments are open ended allowing students to focus on sports and activities they are most interested in. Themes will include the relationship of sports to society, the evolution of sports, and the relationship between sports and contemporary history. Instructional materials will emphasize primary sources and video footage. This course is offered in the 2nd semester only.

MEDICAL TERMINOLOGY CC

Science

Prerequisite: None

Define the meaning of medical terminology word roots, suffixes, and prefixes; Recognize and understand basic medical terms; Identify and decipher medical abbreviations; Spell and pronounce basic medical terminology. This course is offered in the 1st semester only.

Course #: h4371CC

Grades: 9,10,11,12

Credits: .5 Credits

PERSONAL FINANCE CC - Summer Only

Personal Finance

Prerequisite: None

Make wise financial decisions after learning about personal budgeting, banking services, credit, taxes, investment options, risk management, and consumer rights and responsibilities.

Course #: h5325CC

Grades: 10, 11, 12

Credits: .5 Credits

HEALTH CC – Summer Only

Health

Prerequisite: None

The focus of this class is taking personal responsibility for your health and making the choices to lead a healthy lifestyle. Topics include fitness, nutrition, drug abuse, sexually transmitted diseases and first aid.

Course #: h8613CC

Grades: 10, 11, 12

Credits: .5 Credits

**DUAL CREDIT
UCM ONLINE COURSES**
DC ART IDEAS & VISUAL ART (ART 1800)

Fine Art

Prerequisite: GPA 3.0

Engages students in critical and creative thinking about broad topics in the visual arts ranging from questions about the nature of art (aesthetics), to describing and interpreting works of art (art criticism), to art historical and cultural contexts (art history), and elements and principles of art and design (studio art).

Prerequisites: None.

Course #h9001

Grades: 11,12

Credits: .5 & 2 College Credits

DC CHEMISTRY (CHEM 1103)

Science

Prerequisite: GPA 3.0

Introduction to the basic concepts of chemistry and scientific methodology emphasizing the connections between chemistry, technology, and all things in a modern world.

Course #h9001

Grades: 11,12

Credits: .5 & 3 College Credits

DC CRIMINAL JUSTICE (CJ 1000)

Elective

Prerequisite: GPA 3.0

The course covers the history, nature, and function of the criminal justice system in America. Special attention is given to the philosophical basis underlying this system and to the problems associated with crime control in a democratic society. At each stage of the process, major issues confronting the system are examined.

Course #h9001

Grades: 11, 12

Credits: .5 & 3 College Credits

DC PUBLIC SPEAKING (COMM 1000)

English Elective

Prerequisite: GPA 3.0

A study and practice of the basic principles involved in discovering, arranging, delivering, and evaluating ideas in speech situations.

Course #h9001

Grades: 11, 12

Credits: .5 & 3 College Credits

DC ESSENTIALS OF MANAGING INFORMATION (CTE1210)

Practical Art

Prerequisite: GPA 3.0

Instruction and application of digital tools and software to gather, evaluate, communicate, and use information, while adhering to academic guidelines for research and data management.

Course #h9001

Grades: 11,12

Credits: .5 & 2 College Credits

DC COLLEGE ENGLISH (ENGL 1020)

English Elective

Course #h9001

Grades: 12

Prerequisite: GPA 3.0, Comp & enroll in Adv Lit
Comp 1 is the logic and rhetoric of expository writing. Credits: .5 & 3 College Credits

DC COMPOSITION 2 (ENGL 1030)

English Elective

Prerequisite: GPA 3.0, Comp & enroll in Adv Lit

Advanced writing involving research and the construction of academic arguments. **Prerequisite: ENGL 1020, ACT score of 18 & only open to students who have completed Mrs. Fifer's Dual Credit Composition course in the fall; DOES Not meet the high school graduation requirement for language arts, but may be taken as an elective. Make sure you need this course before enrolling in it**

Course #h9001

Grades: 12

Credits: .5 & 3 College Credits

DC PERSONAL FINANCE (FIN 1820)

Personal Finance

Prerequisite: GPA 3.0

For the student who desires information on managing his/her personal income.

Course #h9001(1)&#h9002(2)

Grades: 11,12

Credits: .5 & 3 College Credits

DC HISTORY OF THE US TO 1877 (HIST 1350)

Social Studies Elective

Prerequisite: GPA 3.0

This course provides students with an overview of the peoples, ideas, values, institutions and historical events that shaped the American nation from the settlement by Native Americans through the era of the civil war and reconstruction. The second half will explore reconstruction through the present

Course #h9001

Grades: 11,12

Credits: .5 & 3 College Credits

DC HISTORY OF THE US FROM 1877 (HIST 1351)

Social Studies Elective

Prerequisite: GPA 3.0

This course provides students with an overview of the peoples, ideas, values, institutions and historical events that shaped the American nation from the settlement by Native Americans through the era of the civil war and reconstruction. The second half will explore reconstruction through the present.

Course #h9001

Grades: 11,12

Credits: .5 & 3 College Credits

HIST 1402 HISTORY OF THE MODERN WORLD

Social Studies Elective

Prerequisite: GPA 3.0

A survey of modern world civilization since 1800. Special emphasis will be given to economic contact and cultural clashes among European, Asian, American, and African civilizations.

Course #h9001

Grades: 11,12

Credits: .5 & 3 College Credits

DC UNIV LIBRARY & RES SKILLS (LIS 1600)

Elective

Prerequisite: GPA 3.0

This freshman-level course introduces students to traditional and computer based resources and services available in academic libraries and strategies for locating, evaluating and using information.

Course #h9001

Grades: 11, 12

Credits: .5 & 2 College Credits

DC EXPERIENCING MUSIC (MUS 1210)

Fine Art

Prerequisite: GPA 3.0

An introduction to important musical masterpieces with emphasis on the knowledge and skills involved in perceptive listening.

Course #h9001

Grades: 11,12

Credits: .5 & 3 College Credits

DC HEALTH & CYBER WELLNESS (NUR 2000)

Practical Art

Prerequisite: GPA 3.0

This course provides an opportunity for students to apply e-health and cyber wellness skills to a self selected wellness project.

Course #h9001

Grades: 11,12

Credits: .5 & 3 College Credits

DC PHYSICS (PHYS 1103)

Science Elective

Prerequisite: GPA 3.0

Course #h9001

Grades: 11, 12

Credits: .5 & 3 College Credits

An introduction to physics. Topics include mechanics, energy, heat, sound, electricity, magnetism, light, atomic and nuclear physics, relativity, and astrophysics. Laboratory not included.

DC INTRO TO POLITICS (POLS 1500)

Social Studies Elective

Prerequisite: GPA 3.0

Course H9001

Grades: 11, 12

Credits: .5 & 3 College Credits

A survey of the determinants defining the relationship of the individual to the political environment and the political system. The primary focus is on the three fundamental levels of politics, the individual, the state, and the international community.

DC AMERICAN GOVERNMENT (POLS 1510)

Social Studies

Prerequisite: GPA 3.0

Course H9001

Grades: 11, 12

Credits: .5 & 3 College Credits

The Nature, philosophical bases, development, functions, structure, and processes of the government and politics of the United States and of Missouri. Emphasis on and analysis of the nature and development of the provisions and principles of the Constitution of the United States and Missouri.

DC GENERAL PSYCHOLOGY (PSY 1100)

Social Studies Elective

Prerequisite: GPA 3.0

Course h9001

Grades: 11,12

Credits: .5 & 3 College Credits

This course is a general introduction to the science of behavior, surveying the broad field of psychology and the methods of investigation.

DC SOCIOLOGY (SOC 1800)

Elective

Prerequisite: GPA 3.0

Course h9001 Social Studies

Grades: 11,12

Credits: .5 & 3 College Credits

Explores the relationships of individuals, groups, and society in the context of changing social institutions. Addresses basic concepts and subfields in sociology.

DC SPANISH 1 (SPAN 1601)

Elective

Prerequisite: GPA 3.0

Course h9001

Grades: 11, 12

Credits: .5 & 3 College Credits

Fundamentals of Spanish pronunciation, the building of basic vocabulary and patterns, oral work, studies in structure, and reading selections. ****Students need access to Webcam One and a microphone.***

DC SPANISH 2 (SPAN 1602)

Elective

Prerequisite: GPA 3.0

Course h9001

Grades: 11, 12

Credits: .5 & 3 College Credits

A continuation of Spanish I, with increased attention to grammar. ****Students need access to Webcam One and a microphone.***

<p style="text-align: center;">CASS CAREER COURSE DESCRIPTIONS</p>

Please use this link to review the program descriptions:

<https://www.harrisonvilleschools.org/site/Default.aspx?PageID=574>

The list below includes all of the programs at Cass Career Center. Seats are based on availability. Not all classes may be available to Pleasant Hill High School students. For more information, please visit with your counselor.

The list below includes the programs that are available to Pleasant Hill High School students at Cass Career Center. If you have any questions or concerns, please visit with your counselor.

AUTOMOTIVE TECHNOLOGY

Practical Art
Prerequisite: Application & Interview

Course #: h9110
Grades: 11, 12
Credits: 3 Credits

CONSTRUCTION TECHNOLOGY

Practical Art
Prerequisite: Application & Interview

Course #: h9110
Grades: 11, 12
Credits: 3 Credits

HEALTH SCIENCES

Practical Art
Prerequisite: GPA 2.5; Attendance 90%; Application & Interview

Course #: h9110
Grade: 12
Credits: 3 Credits

FIREFIGHTER I & II

Practical Art
Prerequisite: Application & Interview

Course #: h9110
Grades: 11, 12
Credits: 3 Credits

EMT

Practical Art
Prerequisite: Application & Interview

Course #: h9110
Grades: 11, 12
Credits: 3 Credits

INFORMATION TECHNOLOGY

Practical Art
Prerequisite: Application & Interview

Course #: h9110
Grades: 11, 12
Credits: 3 Credits

CRIMINAL JUSTICE/CSI

Practical Art
Prerequisite: Application & Interview

Course #: h9110
Grades: 11, 12
Credits: 3 Credits

**SUMMIT TECHNOLOGY ACADEMY
COURSE DESCRIPTIONS**

Please use this link to review the program descriptions: <https://sta.lsr7.org/courses/>

The list below includes all of the programs at Summit Technology Academy. Seats are based on availability. Not all classes may be available to Pleasant Hill High School students. For more information, please visit with your counselor.

* denotes Missouri Innovation Campus (MIC) program, which is a progressive initiative by the UCM, MCC, as well as numerous business partners such as Cerner Corporation, DST, Burns & McDonnell, and Kiewit. The selection of students involves numerous steps. Each step of the student's plan towards a baccalaureate degree will include industry immersion with local businesses that are in need of developing a skilled workforce. MIC students must meet more rigorous standards, such as a 3.0 GPA, 95% attendance, and appropriate COMPASS or ACT scores. For more information visit, <http://ucmo.edu/mic> or ask your guidance counselor.

PLTW ENGINEERING PATHWAY:

DIGITAL ELECTRONICS PLTW

Practical Art
Prerequisite: GPA 2.5; Attendance: 90%; Algebra I B-; Reading/Writing: 10th gr level
Dual Credit: UCM ET 1026, ET 1050 (8 hrs credit for eligible students)
Recommended: Geometry, Internet access outside of class is highly recommended.
Prerequisite for PLTW Member Schools: Introduction to Engineering Design, Principles of Engineering

Course #: h9500
Grades: 11-12
Credits: 1.5 credits

COMPUTER INTEGRATED MANUFACTURING

Practical Art
 Prerequisite: GPA:2.5; Attendance: 90%; Algebra I B- or higher,
 Reading/Writing: 10th gr level or higher

Grade: 11-12
 Credits: 3 credits

AEROSPACE ENGINEERING

Practical Art
 Prerequisite: GPA:2.5; Attendance: 90%; Algebra II B- or higher,
 Reading/Writing: 10th gr level or higher

Grade: 11-12
 Credits: 3 credits

AEROSPACE ACADEMY

Practical Art
 Prerequisite: GPA:2.5; Attendance: 90%; Algebra I B- or higher,
 Reading/Writing: 10th gr level or higher

Grade: 11-12
 Credits: 3 credits

ENGINEERING DESIGN AND DEVELOPMENT

Practical Art
 Prerequisite: GPA:2.5; Attn: 90%; Algebra II B,
 Other Requirements: Completion of Digital Electronics with C or better,
 PLTW Principles of Engineering or high school Physics with a B or better.
 Prerequisite for PLTW Member Schools: IED, POE, one of the following courses: DE, CIM or CEA.
 Recommended: Pre-calculus(completed or concurrent enrollment)

Course #: h9500
 Grade: 12
 Credits: 3 credits

COMPUTER SCIENCE PATHWAY:**DEVELOPMENT, SECURITY AND OPERATIONS (DevSecOps)**

Practical Art
 Prerequisite: GPA:2.5; Attendance: 90%; Algebra I B- or higher,
 Reading/Writing: 10th gr level or higher
 Keyboarding proficiency, minimum 30 WPM

Grade: 11-12
 Credits: 3 credits

ADVANCED NETWORK AND CYBER CONCEPTS

Practical Art
 Prerequisite: GPA:2.5; Attendance: 90%; Algebra I B- or higher,
 Reading/Writing: 10th gr level or higher
 Keyboarding proficiency, minimum 30 WPM

Grade: 11-12
 Credits: 3 credits

CYBER SECURITY - Fall Only

Practical Art
 Prerequisite: CHAOS I & II Recommended

Course #: h9500
 Grade: 12
 Credits: 1.5 credits

SOFTWARE DEVELOPMENT*

Practical Art
 Prerequisite: GPA 2.5; Attn 90%; Alg II, B- or previous programming knowledge;
 Reading/Writing: 10th gr; Home internet access required; keyboarding, min. 30 wpm
 Dual Credit: MCC CSIS 123, 222, 223 (available to eligible students)
 Recommended: One of the following courses: PLTW Computer Science & Software Engineering OR CHAOS I
OR Database Management I (CHAOS I and DB I/II offered through R7 Online)

Course #: h9500
 Grades: 11-12
 Credits: 3 credits

ARTS & COMMUNICATION PATHWAY:**DIGITAL MEDIA TECHNOLOGY**

Practical Art
 Prerequisite: GPA 2.0; Attendance 90%; Math Algebra I C; 1 Fine Arts credit
 Recommended: Computer Applications or Programming; proficiency in keyboarding.

Course: h9500
 Grade: 11-12
 Credits: 3 credits

HEALTH SCIENCE PATHWAY:**PROFESSIONAL NURSING**

Course: h9500

Practical Arts Grade: 12
 Prerequisite: GPA 2.5; Attendance 90%; Math Algebra I C; Biology & Chemistry C Credits: 3 credits
 Requirements for Clinical Placement: Upon approval in the program, a negative drug screen and TB skin test results (at student expense), background check and proof of immunizations
 Dual Credit: MCCBIO 150 (2 hrs cr for eligible students); UCM NURS 1700, 2000/2070 (4 cr for eligible students)
 Recommended: Anatomy/Physiology (completed or concurrent enrollment); Chemistry II; Algebra II;

ALLIED HEALTH ACADEMY

Practical Arts Course h9500
Grade: 11-12
 Prerequisite: GPA 2.5; Attendance 90%; COMPASS placement into Math 110, Eng 101 Credits: 1.5 credits
 or equivalent ACT scores; Algebra I C, Biology C or Chemistry C.
 Recommended: Anatomy/Physiology; Psychology
 Dual Credit: MCC BIOL 150 Medical Terminology & ALHT 100 Intro to Health Care Careers (2 hrs. cr each course)

HUMAN SERVICES & FINANCE PATHWAY:

INTERNATIONAL STUDIES ACADEMY

Practical Arts Course h9500
Grade: 11-12
 Prerequisite: GPA 2.5; Attendance 90%; Completed or enrolled 2nd yr of Foreign Lang Credits: 3 credits

BUSINESS FINANCE AND FINTECH

Practical Arts Grade: 11-12
Credits: 3 credits
 Prerequisite: GPA 2.5; Attendance 90%; Algebra 1 B- or higher
 One full credit in Business
 Reading/Writing: 10th grade level

**RAYMORE-PECULIAR LEAD CENTER
 COURSE DESCRIPTIONS**

Please use this link to review the program descriptions: <https://www.raypec.org/o/lead>

The list below includes all of the programs at RP LEAD Center. Seats are based on availability. Not all classes may be available to Pleasant Hill High School students. For more information, please visit with your counselor.

MACHINING

Practical Arts Grade: 11-12
Credits: 3 credits
 Prerequisite: Unknown

ENTERPRISE & DESIGN

Practical Arts Grade: 11-12
Credits: 3 credits
 Prerequisite: Unknown

TEACHER ACADEMY

Practical Arts Grade: 11-12
Credits: 3 credits
 Prerequisite: Unknown

CARPENTRY

Practical Arts Grade: 11-12
Credits: 3 credits
 Prerequisite: Unknown

HEAVY MACHINE OPERATING

Practical Arts Grade: 11-12
Credits: 3 credits
 Prerequisite: Unknown

ELECTRICAL STUDIES

Practical Arts
Prerequisite: Unknown

Grade: 11-12
Credits: 3 credits

HVAC (HEATING, VENTILATION, AND AIR CONDITIONING)

Practical Arts
Prerequisite: Unknown

Grade: 11-12
Credits: 3 credits