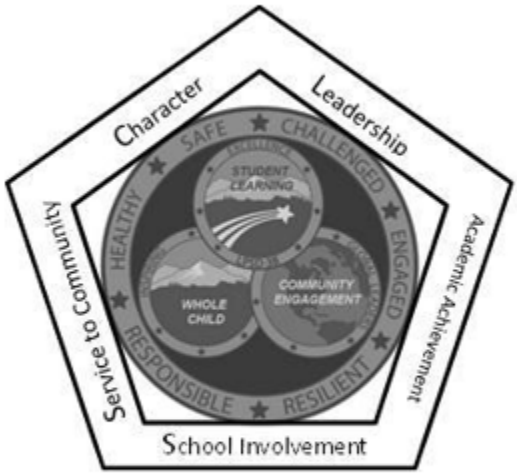
Scheduling & Course Handbook

2025-2026
Lewis-Palmer High School



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Introduction:

The programs studied at Lewis-Palmer High School are designed to expand the general education experiences of all students and to prepare students for vocations and/or further education after graduation from high school. Counselors will utilize the Colorado ICAP (Individual Career and Academic Plan) to assist in guiding students through their high school and post-secondary planning. A high school program should be planned with post-high school objectives in mind. It is important that students plan their high school experience carefully. Assistance is offered through the administrative and counseling offices. This booklet is designed to serve as a planning guide.

Lewis-Palmer School District is committed to providing a safe learning and work environment where all members of the school community are treated with dignity and respect. The schools in the District do not discriminate on the basis of disability, race, creed, color, sex, sexual orientation, gender expression, gender identity, pregnancy, marital status, national origin, religion, ancestry, genetic information, need for special education services, or any other applicable status protected by federal, state, or local law ("protected status").

Accordingly, no otherwise qualified student, employee, applicant for employment, or member of the public may be excluded from participation in, be denied the benefits of, or be subjected to unlawful discrimination under any District program or activity on the basis of any legally applicable protected status.

The lack of English language skills shall not be a barrier to admission or participation in the district's activities and programs.

New Students

All students new to District 38 need to register online at www.lewispalmer.org prior to making an appointment with a Lewis-Palmer High School counselor.

Scheduling Guide

We hope that this guide will help you and your parent(s) plan your school program while at LPHS. At critical decision points in your high school career, you should review your educational and post- secondary goals with your parent(s) and counselor and develop a program that will help you achieve these goals.

Graduation requirements are designed to give you a balanced program that will help you develop the skills and knowledge necessary to become a well-educated person. To complete your course of study, a wide range of electives are available. These, if selected wisely, will help you explore and develop your interests and abilities.

ALTHOUGH YOUR PARENTS AND COUNSELOR CAN ASSIST YOU IN PLANNING YOUR HIGH SCHOOL CURRICULUM, THE RESPONSIBILITY FOR THIS PLANNING RESTS WITH YOU.

You should consider the following:

1. Know the graduation and course load requirements and be sure you are meeting these.
2. Be aware of college entrance, vocational and NCAA requirements.
3. Plan ahead—not just for next year, but for your entire high school career.
4. Before selecting a course, check the course description to be sure it fits your needs, interests, and abilities; and, check that you have completed the prerequisites necessary for enrollment.
5. Some courses require teacher approval, so check carefully.
6. If in doubt about credits for graduation or requirements for college admission, see your counselor.
7. Pre-registration is only an indication by a student of his/her desire to take specific classes. While every effort will be made to meet school-wide demand, some classes may not be available due to budget, staff, facility limitations, or insufficient interest in a class.

Course Selection

Counselors provide registration materials and offer advice on the registration process. Please review this handbook thoroughly and consult your counselor and teachers on problems or concerns. Please make your choices thoughtfully and carefully because the number of teachers and the number of courses and sections are based on student enrollment and student course requests. Course descriptions accurately reflect course content: therefore, you will be held accountable for your course selections. **Please select alternates carefully as there is a very good chance you will be scheduled into at least one of them.** For these reasons, it is extremely important that registration materials are turned in on time and that students seriously consider the exact courses they wish to take in the coming school year. Students whose registration materials are turned in late may be unable to enroll in some of their elective choices. The school's course schedule is based on student requests; it will be difficult, if not impossible, to make a schedule change once the master course schedule is set.

Schedule changes will not be considered after the second week of the fall semester and after winter break for second semester courses unless initiated by a teacher or administrator. Requests will not be honored after these dates. The following circumstances allow for a class change request (no exceptions):

- To fill an open period in your schedule for the current semester
- To meet graduation requirements for seniors
- To retake a class that was failed
- If missing an A, B, or C part of a class
- Teacher recommended change for extenuating circumstances
- If prerequisites have not been met

The student's counselor must approve all changes, and both teachers must sign a class change form indicating their knowledge and approval of the change. Classes that are approved to be dropped after the first two weeks of any semester will be noted on the transcript as a WF, which is calculated into the cumulative GPA. The only exception would be a medical condition as documented by a physician. Students who drop a class may be required to stay in the classroom to audit the class for the remainder of the semester.

Repeatable Courses

The following courses may be repeated for credit: Independent Study, Art (instructor approval required for Advanced Courses), all Physical Education Classes, work study, Library Aide, Office Aide, Teacher Aide, Educational Field Experience (EFE), Yearbook, all music and band classes, LPTV, Improvisation, and Acting 2.

Course Load Requirements

One credit is earned for successful completion of a course that meets for two (2) semesters. A half credit is earned for courses that are completed in one (1) semester.

Freshman and sophomores are required to take seven classes and a Study Hall each semester.

Freshmen and sophomores who have completed at least one semester at Lewis Palmer High School have the opportunity to be a **Responsible Ranger.** This is an independent study hall rather than a regular study hall. The GPA requirements are as follows: 2nd semester freshman-4.0, 1st semester sophomore – 3.75, 2nd semester sophomore – 3.5. All are cumulative GPA's. See your counselor for more details.

Juniors are required to take a minimum of seven classes (credits permitting) and a mandatory Post-secondary Plan/ICAP period each semester. Seniors are required to take six classes and a mandatory Post-secondary Plan/ICAP period and a free hour each semester.

Deviation from minimum student course load requires approval from the principal.

Post-secondary Plan/ICAP: All juniors and seniors are scheduled for Post Secondary Plan/ICAP period each semester. To help minimize the impact of state mandated testing or other standardized testing, students may be required to report to school during their ICAP and/or off period. This period will be used for ICAP lessons, testing, and other required activities. Students and parents will be notified of mandatory reporting dates through the D38 and high school websites, newsletters, announcements, and email, and should not schedule recurring outside obligations during this time. **District 38 Graduation Requirements**

English	3 credits
Social Studies (including Civics/Govt & American History)	3 credits
Mathematics	3 credits
Science	2 credits
Physical Education	1.5 credits
Health	.5 credit
Additional Credits	12 credits
Total	25 credits

Students must also demonstrate proficiency in Personal Financial Literacy either through a proficiency demonstration or course equivalent.
Students must demonstrate academic proficiency in the subjects of English and math per the State Board approved menu of college and career ready demonstrations. The following link identifies minimum requirements for students to demonstrate proficiency.

Graduation & Academic Proficiencies

College Entrance Recommendations

In an effort to better ensure the success of Colorado's high school students in college, the Colorado Commission on Higher Education provides a recommended pre-collegiate curriculum to already existing admission standards at all Colorado public four-year colleges and universities.

English	4 credits
Mathematics	4 credits (Algebra 1 or higher)*
Science	3 credits (2 must be laboratory courses)
Social Studies	3 credits (1 must be US History or World History)
Academic Electives	2 additional credits
World Language	1 credit

*Students need to complete at least Algebra 2 or Honors Algebra 2. LPHS courses that will count towards the fourth math credit (after Algebra 2 or Honors Algebra 2) include AP Precalculus, AP Statistics, Pre-Calculus, AP Calculus BC, AP

Calculus AB, and Calculus 3, Computer Science courses with Algebra 1 as a Prerequisite, Accounting 1, and Advanced Quantitative Reasoning.

First-Time Freshmen College Admission Standards

Colorado public four-year colleges and universities consider a mix of factors in making freshman admission decisions:

- High School GPA
- Test Scores either SAT or ACT
- Academic course mix and rigor
- Extracurricular activities and other considerations (includes internships, work, sports, leadership, etc.)

We encourage you to contact your college of choice for course eligibility and admissions requirements.

The following pages in this handbook will provide you with a four-year planning guide. Please find and complete the 4-year plan which best fits your plans for after high school.

SAMPLE 4-YEAR GRADUATION PLANS

Please note: The following is for planning purposes only. Consult counselors, teachers, and parent(s) to assist in planning your four-year graduation plan. Annual reviews will provide maximum benefit. Remember that academic courses taken beyond core requirements count toward elective credits. Consult with colleges to determine the most appropriate rigor for you.

This is a sample for a typical college-bound student.

Freshman Year		
	Semester 1	Semester 2
1	(Honors) Eng 1	(Honors) Eng 1
2	Alg 1 / Geom	Alg 1 / Geom
3	(Honors) Civics	(Honors) Civics
4	Earth Sci / Biology	Earth Science / Biology
5	World Language 1	World Language 1
6	PE	Health
7	Elective	Elective
8	Study Hall / Responsible Ranger	Study Hall / Responsible Ranger

Sophomore Year		
	Semester 1	Semester 2
1	(Honors) Eng 2	(Honors) Eng 2
2	Geom / H. Alg 2	Geom / H. Alg2
3	W Hist & Geog / APHUG / APEuro	W Hist & Geog / APHUG / APEuro
4	Biology / Chemistry	Biology / Chemistry
5	World Language 2	World Language 2
6	Elective	PE
7	Elective	Elective
8	Study Hall / Responsible Ranger	Study Hall / Responsible Ranger

Junior Year		
	Semester 1	**Semester 2**
1	Eng 3 / AP Lang	Eng 3 / AP Lang
2	H. Alg 2 / Precalc	H. Alg 2 / Precalc
3	Am Hist / APUSH	Am Hist / APUSH
4	Chem / Physics / AP	Chem / Physics / AP
5	World language 3	World Language 3
6	PE	Elective
7	Elective	Elective
8	Post Sec / ICAP	Post Sec / ICAP

Senior Year		
	Semester 1	**Semester 2**
1	Eng 4 / AP Lit / CE Eng 121	Eng 4 / AP Lit / CE Eng 122
2	Precalc / AP Calc A&B	Precalc / AP Calc C
3	Psych / Sociology	Psych / Sociology
4	Physics / AP	Physics / AP
5	Elective	Elective
6	Elective	Elective
7	Post Sec / ICAP	Post Sec / ICAP
8	Free Hour	Free Hour

Students should only attempt accelerated classes they are passionate about.
Electives should support the student's interests in careers.
Students interested in engineering should take PLTW IED, POE, Aerospace, Civil Engineering, and Computer Science
Students interested in the medical field should take PLTW Biomedical, Human Body Systems, and Biomedical Innovations.

This is a sample for a Career & Technical Education student.

Freshman Year		
	Semester 1	**Semester 2**
1	(Honors) Eng 1	(Honors) Eng 1
2	Alg 1 / Geom	Alg 1 / Geom
3	(Honors) Civics	(Honors) Civics
4	Earth Sci / Biology	Earth Science / Biology
5	Intro Business	CTE Elective
6	PE	Health
7	World language 1	World Language 1
8	Study Hall / Responsible Ranger	Study Hall / Responsible Ranger

Sophomore Year		
	Semester 1	**Semester 2**
1	(Honors) Eng 2	(Honors) Eng 2
2	Geom / H. Alg2	Geom / H. Alg2
3	W Hist & Geog / APHUG / APEuro	W Hist & Geog / APHUG / APEuro
4	Biology / Chemistry	Biology / Chemistry
5	Marketing	Marketing
6	PE	CTE Elective
7	CTE Elective	CTE Elective
8	Study Hall / Responsible Ranger	Study Hall / Responsible Ranger

Junior Year		
	Semester 1	**Semester 2**
1	Eng 3 / AP Lang	Eng 3 / AP Lang
2	H. Alg2 / Precalc	H. Alg2 / Precalc
3	Am Hist / APUSH	Am Hist / APUSH
4	Chem / Physics / AP	Chem / Physics / AP
5	Management	Entrepreneurship
6	CTE Elective	CTE Elective
7	CTE Elective	CTE Elective
8	Post Sec / ICAP	Post Sec / ICAP

Senior Year		
	Semester 1	**Semester 2**
1	Eng 4 / AP Lit / CE Eng 121	Eng 4 / AP Lit / CE Eng 122
2	Precalc / AP Calc A&B	Precalc / AP Calc C
3	Psych / Sociology	Psych / Sociology
4	Physics / AP	Physics / AP
5	Accounting 1	Accounting 1
6	CTE Elective	CTE Elective
7	Post Sec / ICAP	Post Sec / ICAP
8	Free Hour	Free Hour

Electives should support the student's interests in careers.

This is a sample for a Career Entry student.

Freshman Year		
	Semester 1	**Semester 2**
1	Eng 1	Eng 1
2	Alg 1 / Geom	Alg 1 / Geom
3	Civics	Civics
4	Earth Sci / Biology	Earth Science / Biology
5	Intro Business	Elective
6	PE	Health
7	Elective	Elective
8	Study Hall / Responsible Ranger	Study Hall / Responsible Ranger

Sophomore Year		
	Semester 1	**Semester 2**
1	Eng 2	Eng 2
2	Geom / H. Alg2	Geom / H. Alg2
3	W Hist & Geog	W Hist & Geog
4	Biology / Chemistry	Biology / Chemistry
5	Marketing	Marketing
6	PE	Elective
7	Elective	Elective
8	Study Hall / Responsible Ranger	Study Hall / Responsible Ranger

Junior Year		
	Semester 1	**Semester 2**
1	Eng 3	Eng 3
2	H. Alg 2 / Precalc	H. Alg 2 / Precalc
3	Am Hist	Am Hist
4	Chemistry	Chemistry
5	Work Study / Elective	Work Study / Elective
6	Elective	Elective
7	Elective	Elective
8	Post Sec / ICAP	Post Sec / ICAP

Senior Year		
	Semester 1	**Semester 2**
1	Eng Elective	Eng 4 Elective
2	AQR	AQR
3	Psych / Sociology	Psych / Sociology
4	Work Study / Elective	Work Study / Elective
5	Elective	Elective
6	Elective	Elective
7	Post Sec / ICAP	Post Sec / ICAP
8	Free Hour	Free Hour

Electives should support the student's interests in careers.

Four-Year Semester Student Graduation Plan

Please note: The following is for planning purposes only. Year-long classes, those with both part A and B, should appear in the same year.

College Bound Recommended Core Minimums: English 4 credits, Social Studies 3-4 credits, Math 4 credits,Science 3-4 credits, World Language 2-3 credits, PE 1.5 credits, Health .5 credits, Electives-at least 7 credits.
Total at least 25 credits.

See Page 8 for minimum graduation requirements.

Freshman Course Plan		
	Semester 1	**Semester 2**
1		
2		
3		
4		
5		
6		
7		
8		
Total Credits for 9th gr.		**8**
Cumulative Total		**8**

Sophomore Course Plan		
	Semester 1	**Semester 2**
1		
2		
3		
4		
5		
6		
7		
8		
Total Credits for 10th gr.		**8**
		16

Junior Course Plan		
	Semester 1	**Semester 2**
1		
2		
3		
4		
5		
6		
7		
8		
Total Credits for 11th gr.		**7**
Cumulative Total		**23**

Senior Course Plan		
	Semester 1	**Semester 2**
1		
2		
3		
4		
5		
6		
7		
8		
Total Credits for 12th gr.		**6**
Cumulative Total		**29**

ADVANCED PLACEMENT (AP) AND HONORS

Advanced Placement (AP) Courses

Lewis-Palmer High School participates in the College Board's National Advanced Placement Program. AP courses are the equivalent of introductory college courses. It is possible for motivated, high- achieving students to complete certain college requirements while still in high school. The following courses may be three semesters: AP Biology, AP Chemistry, AP Calculus BC. Some AP courses may be offered in alternating years, depending on course enrollment numbers. AP courses culminate in national examinations in May each year. The AP Program is a cooperative educational endeavor between secondary schools and colleges/universities. It exposes high school students to college-level material and gives them the opportunity to show they have mastered it by taking a comprehensive AP exam or completing an AP portfolio. Colleges/universities may then grant credit, placement, or both to students who have demonstrated mastery. Students benefit from taking AP courses by learning a subject in greater depth, developing skills that will be critically important to successful study in college, and demonstrating to colleges their willingness to undertake a challenging course load while in high school. Highly selective colleges and universities look for successful completion of AP courses as well as honors and other accelerated coursework.

The AP Program is administered by the College Board, which contracts with Educational Testing Services (ETS), an independent, nonprofit organization for technical and operational educational services. Because AP courses offer positive exposure to the academic standards encountered in college (and because completing an AP course validates letters of recommendation and the transcript) students are encouraged and expected to complete the course and sit for the AP course examination in May. The cost of each AP exam and the deadlines for registration are set by the College Board; exam fees are assessed through students' Infinite Campus accounts in October.

LPHS students should consult with appropriate subject area teachers and their counselor prior to enrolling in AP classes. Students must be highly motivated and willing to work responsibly. During the course of study, students are expected to develop analytical reasoning skills and form disciplined study habits.

Homework in AP courses resembles the intellectual challenge and workload expected in a typical college course. Students taking AP courses must realize that time required for homework and study will be considerable. AP courses generally require excellent attendance, considerable reading and writing, increased analytical skills, creative projects, and class discussion.

The following AP courses are offered at LPHS:

AP Biology	AP English Language & Composition	AP Psychology
AP Calculus (AB)	AP English Lit & Composition	AP Precalculus
AP Calculus (BC)	AP Environmental Science	AP Statistics
AP Chemistry	AP European History	AP U.S. History
AP Computer Science A	AP Human Geography	AP Modern World History
AP Computer Science Principles	AP Physics C Mechanics	

Gifted Education Program

Gifted and talented (GT) students are those persons whose abilities, talents, and potential for accomplishment are so exceptional or developmentally advanced that they require special provisions to meet their educational programming needs. GT students include gifted students with disabilities (i.e., twice exceptional) and gifted students with exceptional abilities or potential from all socioeconomic and ethnic, cultural populations. Gifted students are capable of high performance, exceptional production, or exceptional learning behavior by virtue of any or a combination of these areas of giftedness:

- General or specific intellectual ability
- Specific academic aptitude
- Creative or productive thinking
- Leadership abilities
- Visual arts, performing arts, musical or psychomotor abilities

Our Mission**:** LPHS is committed to providing an educational program that recognizes the unique abilities and educational needs of gifted and talented (GT) students and provides appropriate differentiated services and programming support to encourage positive character development, high level thinking and creative productivity. Instruction In:

- Emotional Intelligence
- Executive Functioning and other study skills
- Self-Advocacy
- Personal Agency and Leadership
- Project based, student-directed learning
- Post-grad planning
- E-Portfolios

Are offered through a comprehensive program which includes:

- The GT Freshman Advisory Course
- The GT Sophomore Advisory Course
- The Advanced Independent Study Course

Please visit the GT Department Website found in the Academics drop down menu on the LPHS home page, for more information.

Honors Graduates

Honor graduates are recognized by the designations of Summa Cum Laude (GPA of 4.0 and above), Magna Cum Laude (GPA of 3.8 – 3.99), and Cum Laude (GPA of 3.75 – 3.799).

Honors Program

Honors courses at LPHS stress academic excellence and rigor. Courses are designed to purposefully teach in-depth content in an interactive classroom environment. Honors courses extend the ideas and content of the required standards- based curriculum by differentiating content, process, and product expectations and/or include a technology component that goes beyond that which would normally be done in the non-Honors course of a similar name. Course content integrates information from other disciplines, features topics dealing with world cultures and the humanities, emphasizes critical thinking, student-directed learning, interpersonal skills, and includes a variety of instructional strategies. Extensive reading, writing and/or problem solving is incorporated in all Honors courses at Lewis-Palmer High School. Honors Courses are NOT weighted, although colleges still consider them advanced academics. AP classes are available for upper-level advanced coursework.

The following Honors courses* are offered at LPHS:

Honors Algebra 2	Honors Biology	Honors English I
Honors Chemistry	Honors Geometry	Honors English II
Honors Civics & Economics		

For additional information contact the following Honors Program Department Coordinators:

- Ms. Westfall (wwestfall@lewispalmer.org) English Honors Program.
- Ms. Coates (ccoates@lewispalmer.org) Honors Social Studies Program.
- Ms. Kavanaugh (mkavanaugh@lewispalmer.edu) Math Honors Program.
- Ms. Baxter : (mbaxter@lewispalmer.org) Science Honors Program.

Valedictorians

Seniors must complete minimum recommended requirements of the college-bound program and complete at least one AP class to be eligible for valedictorian status. Valedictorians must complete their entire senior year; they may not graduate early.

Weighted Grades: D38 high school students will receive weighted grades in Advanced Placement (AP) classes as long as both semesters of the AP course is completed and the AP exam is taken in May or the AP portfolio is completed. "Weighting" a grade adds point value to the grade when calculating the weighted GPA and class rank. Grades of A, B, and C in the weighted classes will earn an extra point. Therefore, an "A" earned in a weighted class yields 5 points total (4 points for the "A" and 1 additional point for the weight), a "B" yields 4 points, and a "C" yields 3 points.

- **Which courses will be weighted?** Only Advanced Placement (AP) courses and courses that have an AP course as a Prerequisite will be weighted. Rationale for this decision stems from the rigorous standards in place for the AP Audit and approval and method of standardized testing for AP courses set forth by the College Board. For students transferring into the district from other school districts the same rules will apply.
- **Looking to Your Future**: The most selective colleges and universities will always expect students to take a rigorous course load. Avoiding a challenging course to "protect" a high GPA may hurt a student in highly competitive situations. While good grades are important, challenging and rigorous coursework should be the most important consideration for all students. Colleges look at more than just GPA and class rank when making admissions decisions. Each institution is different, so families should investigate each college to determine what factors are considered in the admissions process. As always, contact your counselor if you have questions.

LPSD Non-Traditional Learning

LPSD Online High School Program

Lewis-Palmer School District is excited to provide students with an opportunity to individualize and customize their education by providing an online option that honors student choice surrounding time, place, and path of learning. The Lewis-Palmer Online High School Program (LPOHSP) serves eligible students in 9th – 12th grade with options for part-time and full-time online enrollment. Students can access the curriculum and assignments 24 hours a day, 7 days a week from anywhere with an internet connection and receive the support from both content teachers as well as an Online Mentor. Students interested in enrolling must have an active enrollment within Lewis-Palmer School District and live within D38 boundaries.

To succeed in the LPOHSP, students must be passionate about learning, own the learning process, and be dedicated and responsible for creating their successes. LPOHSP provides the option for flexibility but requires progress to be made in all online courses regularly. Students are required to be independent, motivated learners—much more so than in a traditional classroom. Therefore, students must demonstrate the ability to succeed independently in order to be allowed to continue in the online program. It is recommended that students engage consistently with academic content to promote retention and have a regular schooling schedule in place to manage time and meet course deadlines.

Part-time status within the LPOHSP is an available option for those who wish to either combine with brick and mortar courses in pursuit of a complete academic experience or for those who are seeking part-time educational options (i.e., homeschool students or Concurrent Enrollment). Full time status within the Lewis-Palmer Online High School Program consists of an enrollment that includes 6 or 7 online courses which are composed of the academic core and electives and in alignment with the student's ICAP (Individual Career and Academic Plan). LPOHSP students grow, learn and earn credits toward graduation as Lewis-Palmer School District students and upon completion of graduation requirements, will graduate and earn a diploma from their brick and mortar high school.

It is highly recommended that students who are experiencing online learning for the first time begin with a reduced course load to develop healthy study habits and routines.

- Full Time: Students enrolled in 6 – 7 classes online.
- Part-Time Online and Part-Time at a Brick-and-Mortar School: Students enrolled in at least two classes with LPOHSP and one of the following:
    - Brick and Mortar courses that, when combined, create a schedule with a minimum of 6 classes (not to exceed 7 total);
    - Concurrent Enrollment courses that include 3-11 credits.
- Part-Time: Students enrolled in 2-5 classes with LPOHSP. This option is available for those who are homeschooled.

Enrollment within LPOHSP is an individualized process. Students must demonstrate personal (time management, advocacy, responsibility, etc.) and academic readiness for online enrollment. Interest in LPOHSP must be expressed each semester by the student and parent whereas the determination as to whether online learning is an appropriate educational option will be made by a designated academic team (including, but not limited to, the student's counselor, Online Mentor, online teachers, administrators, and/or case managers).

External Credit Opportunities

Students may take non-LPSD courses for credit attainment, remediation, or credit recovery. LPHS credit will be issued upon successful completion of the course. Depending on the program chosen, payment is usually required in advance and is the responsibility of the parents and students. Pre-approval of external credit courses is required in order for the credit to be placed on a LPHS transcript. The maximum amount of external credit allowed for the student's entire high school career is 3.0 credits. If a student earns a failing grade in an external credit course, the F is calculated into his/her GPA and placed on the LPHS transcript. Contact your counselor if you are interested in any form of external credit. Seniors taking distance learning courses to fulfill graduation requirements must complete them by May 1 of their senior year in order to participate in graduation ceremonies.

Work-based Learning Opportunities

Work-based learning (WBL) is, "a continuum of activities that occur, in part or in whole, in the workplace, providing the learner with hands-on, real-world experience" (talentFOUND). LPSD is committed to connecting students to real-world opportunities that support their talents, interests, and aptitudes as described in students' Individual Career and Academic Plan (ICAP).

The following work-based learning initiatives are available to students within Lewis-Palmer School District.

Class Presentations	Site Visits	Individual/Class/ Group Mentorships	Job Shadows	Internship
- Delivered in classroom or virtually - Low-Intensity WBL Activity - Focused on Career Curiosity & Exploration - Timeframe: around 1 hour	- Host business provides info & tour of their facility - Low-Intensity Activity - Focused on Career Curiosity & Exploration - Timeframe: around 2 hours	- Experts in their field support one or more students during a unit, project or capstone - Medium Intensity WBL Activity - Focused on Project-Based Learning - Timeframe: varies depending on need	- Allow student to interview & observe an industry professional in a work setting - Medium Intensity Activity - Focused on Student Occupational Investigation - Timeframe: 2 to 8 hours	- Structured work experience related to student's career pathway or post-secondary plan - Based on specific occupational training outcomes - Timeframe: 60 or 120 hours during semester - Must be approved by a sponsoring teacher or counselor
Part of credit-bearing class	Part of credit-bearing class	Part of credit-bearing class	Part of credit-bearing class	.5 for 60 hrs. 1.0 for 120 hrs.

Consult your high school counselor for information on how to participate in work-based learning opportunities through LPHS.

General Information

District Academic Standards

Twenty-five credits are required for graduation. One credit is earned for a curriculum subject for the entire year. Half credits are earned for each semester subject.
All students must meet or exceed the district's academic standards prior to becoming eligible to graduate or complete the requirements and goals as listed on a student's Individual Education Program (IEP), which may include modified academic standards.
The completion of a State Board of Education approved high school equivalency exam (GED) shall not qualify a student for a diploma.

Early Graduation

A senior who wishes to graduate after the first semester of their senior year must first make an appointment with his/her counselor to ensure that graduation requirements will be met. Seniors completing on-line courses or correspondence needed for early graduation must complete them by December 3rd. It is the responsibility of the student to clear all obligations and to complete a formal checkout before leaving at the end of the semester. Please obtain a check-out form from the school registrar in Student Services. A diploma will be issued at graduation in May. Students may participate in the graduation ceremonies.

NCAA Clearinghouse Guidance and Academic Eligibility: See https://web3.ncaa.org/ecwr3/

Courses marked as being NCAA approved have been certified by the NCAA for an athlete's eligibility to play Division 1 or Division 2 athletics as a college freshman. If a course is not marked as approved, it is for one of two reasons: a) the course cannot be used for NCAA eligibility or b) the course is new and has not yet been submitted for approval. Call Student Services at (719) 488-4734 if you have questions. Note: Courses taken through online or correspondence providers may not be NCAA approved. Please see your counselor for more information.

If you intend to participate in Division I or Division II athletics as a college freshman, you must register and be certified by the NCAA Eligibility Center. Communicate your intentions of competing as early as possible to your counselor so they may help monitor and assist with your course selection and progress. Student-athletes participating in sports outside of the school (Equestrian, Rodeo, etc.) also need to be registered with the NCAA and should communicate that with their counselor early. Students should apply after their sophomore year. Potential student athletes are unable to take official visits or receive scholarship offers until cleared by the eligibility center. The information below briefly describes academic eligibility guidelines required by the NCAA.

The NCAA Eligibility Center has approved the following courses for use in establishing the certification status of student-athletes from this school. NCAA regulations require each core course's content to be distinct. Therefore, all courses must contain material that is at least 75% unique from all other courses that a student-athlete wishes to use in certifying eligibility. The NCAA eligibility requirements have changed for student/athletes who will enroll at Division 1 or Division II colleges on or after August 1, 2016. Please check the NCAA Eligibility Center's website for more information, https://web3.ncaa.org/ecwr3/.

List of NCAA Approved Core Courses

English
College Writing A & B
Creative Writing 1 & 2
English 1, 2, 3, 4
English/Language/Composition/AP
English/Literature/Composition/AP
Honors English 1 & 2
Mythology
Southwestern Literature & Culture

Mathematics
Advanced Quantitative Reason (Level 2)
Algebra 1 (Level 1)
Algebra 2, Honors Alg 2 (Level 2)
Calculus 3 (Level 2)
Calculus AB/AP (Level 2)
Calculus BC/AP (Level 2)
Differential Equations
Geometry, Honors Geom. (Level 2)
AP Precalculus (Level 2)
Probability & Stats, Trigonometry
Statistics/AP (Level 2)

Social Studies
Human Geography
AP Human Geography
American History
Ancient World History
Civics & Economics
European History/AP
Honors American History
Honors Civics & Economics
Microeconomics/AP
Psychology 1, 2, AP
Sociology
U.S. History/AP
World History & Geography
AP Modern World History

Additional Core Course
French 1, 2, 3, 4, AP
German 1, 2, 3, 4, AP
Spanish 1, 2, 3, 4, Pre AP, AP

Natural/Physical Science
Advanced Astronomy A & B
Anatomy & Physiology A/B
Biology (Lab)
Biology/AP (Lab)
Chemistry/AP (Lab)
Chemistry (Lab)
Earth & Space Science
Environmental Science/AP
General Physiology
Geology
Honors Biology
Honors Chemistry (Lab)
Physics (Lab) & C
Mechanical/AP (Lab)
PLTW Principles of Biomedical Science A & B
PLTW Human Body Systems
PLTW Medical Interventions
PLTW Biomedical Innovations
Zoology

Student Services Information

LPHS counselors are Valerie Clementi (Class of 2029), Bill Benton (Class of 2028), Crissy Leonhardt (Class of 2027), Erika Nash (Class of 2026), and Robyn Hudson (College & Career Counselor). Students may see their counselor at any time if the student's schedule permits and if the counselor is available. Otherwise, the student may make an appointment by coming to Student Services. Appointments should not interfere with the student's classes if at all possible.

Students should recognize the importance of their school records. A student's transcript is the accumulation of efforts from ninth grade through twelfth grade. All grades except P are counted in the student's grade point average.

Registration procedures begin in February for the next school year. Students are encouraged to study graduation requirements and course descriptions with parents and to consult teachers for specific course or level recommendations. Most courses require teacher approval.

Students Receiving Ds in Core Classes

Students should be aware that some colleges do not accept D grades in core courses for college admission. See your counselor for information and to determine if you need to retake a course.

Students Receiving Fs in Core Classes

Students who earn an F in a core class (English, Math, Science, or Social Studies) may be rescheduled according to the teacher's placement recommendation. Students who are rescheduled may be taken out of elective courses. **Ultimately it is the student's and parent(s) responsibility to make sure these courses are rescheduled and completed to ensure graduation requirements are fulfilled.** Summer School classes may be required in order to meet graduation requirements.

Summer School

Summer School information will be posted in April. Summer School is a district program and primarily intended for credit recovery and remediation and is not appropriate for course acceleration. Please see a counselor with questions.

Transfer Students

Transfer students enrolled in ninth grade or above transferring from other schools shall undergo a credit transfer evaluation. School year, class time, school attendance, and academic programs shall be included in this evaluation. Lewis Palmer School District 38 weighs grades only for AP classes, when the semester grade is C or higher and the student took the corresponding AP exam. Transfer students can have qualifying AP grades weighted by providing proof they took the corresponding AP exams. LPSD does not weigh any other grades that may have been weighted by previous schools (i.e., Honors and IB).

The district shall accept the transcripts from a home-based educational program if conditions herein are satisfied. To determine whether the courses and grades earned are consistent with district requirements and district academic standards, the district shall require submission of the student's work or other proof of academic performance for each course for which credit toward graduation is sought. All credits accepted from home-based education will be transcripted with a grade of "P". In addition, the district may administer testing to the student to verify the accuracy of the student's transcripts. The district may reject any transcripts that cannot be verified through such testing.

In order to receive a diploma from LPSD, transfer students must be enrolled full-time to attend high school in the Lewis-Palmer School District at least the last semester prior to graduation, regardless of the number of credits previously earned or any amount of time attended previously in Lewis-Palmer School District. The Board of Education believes that most students benefit from four years of high school experience and are encouraged not to graduate early. However, in some cases, students need the challenge provided by postsecondary education or other opportunities at an earlier age. Therefore, the principal may grant permission to transfer students wishing to graduate early, provided the student has met all district graduation requirements.

Adopted: February 20, 1975
Revised: April 19, 1984
Revised: December 12, 1984
Revised: January 1985
Revised: September 16, 1993
Revised: April 13, 2009
Revised: November 17, 2011
Revised: May 19, 2016
LEGAL REFS.:

C.R.S. 22-1.104 (history, culture and civil government)
C.R.S. 22-32-109 (1)(kk) (board to establish graduation requirements that "meet or exceed" state graduation guidelines)
C.R.S. 22-32-132 (discretion to award diploma to honorably discharged veterans) C.R.S. 22-33-104.5 (home-based education law)
C.R.S. 22-35-101 et seq. (Concurrent Enrollment Programs Act)

CROSS REFS.:AE, Accountability/Commitment to Accomplishment
AEA, Standards Based Education
IHBG, Home Schooling
IHBK*, Preparation for Postsecondary and Workforce Success
IHCDA, Concurrent Enrollment
IK, Academic Achievement
IKA, Grading/Assessment Systems

COLLEGE OPPORTUNITIES

Concurrent Enrollment Guidelines

Lewis-Palmer School District provides opportunities for qualified high school students in grades 9-12 to enroll in college courses and earn credit through The Concurrent Enrollment (CE) program. Concurrent Enrollment programs may help students significantly reduce college expenses, increase the likelihood of completing college, and develop knowledge, marketable skills and abilities necessary to be ready for college and the workforce.

LPSD will cover the cost of tuition for the CE college course(s) based on the Colorado Community College System tuition rate less the College Opportunity Fund allocation. The student/family is responsible for the payment of books and fees associated with each course and securing transportation to and from the campus of which the student is enrolled.

Course selection will be in consideration of the student's college and career goals as indicated on their Individual Career and Academic Plan (ICAP), the availability of the course either on our high school campus or within the Pikes Peak State College Catalog for the desired term and whether the course is transferable to the intended degree plan when applicable through the CDHE Statewide Transfer Degree Plans.

In order to qualify for Concurrent Enrollment, students must:

- Have a minimum G.P.A. of 2.5 and meet all Prerequisites and course expectations.
- Qualify for college-level courses (remediation is only available to seniors in the area of math and English).
- Maintain an accurate and up-to-date Individual Career Academic Plan (ICAP) with postsecondary goals that align to the pursued courses.
- Engage in college-planning meetings with the school Concurrent Enrollment Coordinator and comply with all expectations and procedures.
- Have at least a part-time enrollment status with Lewis-Palmer School District consisting of 2-5 high school courses.
- Be on track to graduate with no failing grades or discipline issues/events.
- Maintain a record of good standing that reflects adherence to the Lewis-Palmer School District Code of Conduct.
- Submit required documentation (Concurrent Enrollment Interest form and pertinent test scores) to the Concurrent Enrollment Coordinator by the following deadlines:
    - March 1st for the fall semester
    - October 1st for the spring semester

The grades earned at the college will be reflected on the high school and college transcript, including grades of W or F.

High school credit will be awarded according to the following credit equivalency table:

College Credit Hours	High School Credits
1 - 3	0.5
4 - 6	1.0
7 - 9	1.5

If you are interested in pursuing Concurrent Enrollment opportunities, please contact the Concurrent Enrollment Coordinator in Student Services for more information on how to get started.

Dual Enrollment

Dual Credit opportunities exist within Lewis-Palmer High School whereas students have the opportunity to earn high school credit and college credit concurrently. Through a partnership with the University of Colorado at Colorado Springs, students enrolled in the following courses at LPHS that utilize the Project Lead The Way (PLTW) curriculum are eligible to apply for the credit received to also appear on a UCCS transcript for a nominal fee.

University of Colorado, Colorado Springs	
High School Course	College Course Equivalent
PLTW Computer Science Essentials (31651)	PLTW Computer Science Essentials (ENGR1512)
PLTW Cybersecurity (31633)	Cybersecurity (ENGR1513)
PLTW Intro to Engineering Design (31009)	Intro to Engineering and Design (ENGR 1503)
PLTW Principles of Engineering (31011)	Principles of Engineering (ENGR 1502)
PLTW Aerospace Engineering (31013)	Aerospace Engineering (ENGR 1504)
PLTW Civil Engineering & Architecture (31016)	Civil Engineering & Architecture (ENGR1506)
PLTW Engineering Design & Development (31032)	Engineering Design & Development (ENGR1508)
PLTW Principles of Biomedical Sciences (31022)	Principles of Biomedical Sciences (BIOL 1011)
PLTW Human Body Systems (31024)	Human Body Systems (BIOL 1012)
PLTW Medical Interventions (31026)	Medical Interventions (BIOL 1013)
PLTW Medical Innovations (31028)	Biomedical Innovations (BIOL 2040)

Career Start: Pikes Peak State College

The Career Start Program at Pikes Peak State College inspires high school students to start exploring career opportunities, start gaining knowledge and skills towards students' career goals, and to start earning college credits and certificates. Students attending the Career Start program earn credit which can be applied toward high school graduation. Students also earn college credit which may be applied to a postsecondary certificate or degree.

Classes take place at Pikes Peak State College Centennial Campus. Students attend Career Start classes Monday through Friday. All classes are held from 9:00 – 11:40 am. Some programs require two years to complete while others are completed in one year. Instruction is provided in classrooms, laboratories, and in business and industry. Students are in class with other high school students from area schools.

Students who are enrolled in Career Start must take two classes at LPHS each semester, or enroll in the Innovative Learning Program for online classes.

For more information, students should meet with their high school counselor and search the PPSC High School Programs website at https://www.pikespeak.edu/academics/high-school-programs/career-start.php and the LPHS website by going to the counseling tab, then Career Start.

Program	Academic Areas	HS Credits Earned			
		Year 1		Year 2	
		Fall	Spring	Fall	Spring
Auto Collision (ACT)	Math	.5	.5	.5	.5
	Science	.5	.5	.5	.5
	Elective	2	2	2	2
Automotive Service Technology (ASE)	Math	.5	.5	.5	.5
	Science	.5	.5	.5	
	Elective	2	2	2	2.5
Broadcasting & Electronic Media	English	1	.5		
	Elective	2	2.5		
Construction (CON)	Math	1	1		
	Elective	2	2		
Criminal Justice (CRJ)	English	.5	.5	.5	.5
	Science	.5		.5	
	Social Studies	.5	.5	.5	1
	Elective	1.5	2	1.5	1.5
Cyber Security (CYB)	Math	.5	.5	.5	.5
	Elective	2.5	2.5	2.5	2.5
Culinary Arts	Math	.5		.5	
	Science	.5	.5	.5	.5
	Elective	2	2.5	2	2.5
Diesel Power Technology (DPT)	Math	.5	.5	.5	.5
	Science	.5		.5	
	Elective	2	2.5	2	2.5
Early Childhood Education (ECE)	Health	.5			
	Science	.5	.5		
	Elective	2	2.5		
Emergency Management Services (EMS)	English	.5			
	English	.5	.5		
	Elective	2	2.5		

Fire Science Technology (FST)	English	.5			
	Science	.5	.5		
	Elective	2	2.5		
Medical Office Exploration (MOX)	Math	.5	.5	.5	.5
	English	.5		.5	
	Science	1	.5	1	.5
	Elective	1	2	1	2
Nursing Assistant	English	.5			
	Science	.5	1		
	Elective	2	2		
Multimedia Graphic Design (MGD)	Elective	3	3	3	3
Vet Technician (VET) - SENIORS ONLY	English	.5	.5		
	Science	.5	.5		
	Elective	2	2		
Welding (WEL)	Math	.5	.5	.5	.5
	Science	.5	.5	.5	.5
	Elective	2	2	2	2
Zookeeping (ZOO)	English	.5	.5	.5	.5
	Science	.5	.5	.5	.5
	Elective	2	2	2	2
International Salon & Spa Academy (ISSA)	English	.5		.5	
	Math		.5		.5
	Science	.5	.5	.5	.5
	Elective	2	2	2	2

All credits are based on semester Carnegie Units.

Cosmetology

The Cosmetology program is a one or two-year program in hair styling offered through the International Salon and Spa Academy (ISSA) in Colorado Springs. Classes follow a typical five-day week schedule. In addition to ISSA classes, Cosmetology students must attend two classes at LPHS or enroll in the Innovative Learning Program.
Students who attend ISSA for two years may be qualified to take the state board test to become a licensed hair stylist.

PREPARING FOR LIFE AFTER HIGH SCHOOL

Individual Career and Academic Plan (ICAP)

Lewis-Palmer School District #38 uses You Science, a career guidance tool. You Science helps students discover their natural talents and connects them to personalized career and education opportunities. Students take an Aptitude and Career Discovery assessment which helps them merge their abilities and interests to make informed decisions. The Student Services department uses Google documents to document scholarship opportunities, and for signing up to meet with visiting college representatives.

College Planning

Every college has individualized requirements and selection processes. Students should search college websites (admissions tab) to learn more about specific admission requirements. Colleges typically use a holistic review process. They assess an applicant's unique experiences along with their grades/transcript. Be sure to use the many resources available in the Student Services office to help determine specific information about colleges and work directly with your counselor and postsecondary counselor in making postsecondary plans.

Colleges place significant emphasis on the student's high school transcript. This official document includes an indication of the depth and scope of the courses taken (curriculum), the grades received in those courses (achievement), a comparison of other students (grade point average and class rank). Patterns of consistency, steady improvement or declining achievement are also reflected on the transcript. The following are the key ingredients in the college admission process.

Curriculum: College prep core course work is usually defined as four years of English, and four years of math that begins with Algebra 1, three years of science and three years of social studies. At least one year, preferably two years, of world language is also recommended. These guidelines should be considered minimal, and most students take more academic courses than these basic recommendations. Many colleges may require additional courses in the academic fields and may also have specific curriculum requirements for admission. Colleges take into consideration the level of courses taken and the overall strength of the student's curriculum. Go to the Admissions page of the specific college website to confirm requirements.

Achievement: Grades are still the best predictor of academic success in college, and the more recent the grades the stronger indicator they are. While other factors may help compensate for deficiencies in grades, high grades will help eliminate doubts about a student's ability to achieve academically.

Evaluation/ Letter of Recommendation: Many colleges will require or recommend written teacher or counselor evaluations. These evaluations are used to substantiate the level of a student's integrity, reliability, motivation, maturity, initiative, leadership, character and other personal traits. An applicant's chances for admission may be enhanced by comments from those who know the student well.

Involvement: Participation in school and community activities such as clubs, athletics, music, government, religious organizations, work experience, and volunteer opportunities are also valued by colleges. The quality of involvement, leadership, commitment, and diversity of interests are what often distinguish top candidates for the most highly selective colleges. Depth in a few areas is generally preferred over breadth in many areas.

Highly Selective Admissions: Highly selective universities in particular look favorably on students who take the most rigorous course load possible. Therefore, it is recommended that students applying to highly selective colleges take a challenging slate of classes, consider a variety of academic electives, concurrent enrollment courses, internship or independent studies instead of attempting to graduate early. As soon as the student thinks he/she might be interested in a particular college or university, we recommend that admission requirements be researched so that courses can be selected accordingly.

College Opportunity Fund

The College Opportunity Fund (COF), created by the Colorado Legislature, provides a stipend to eligible undergraduate students. Eligible undergraduate students must apply, be admitted and enrolled at a participating Colorado institution. Students who do not apply will be responsible for the full amount of in-state tuition (student share plus the state's share). Qualifying students may use the stipend for eligible undergraduate classes. The stipend is paid on a per credit hour basis to the school the student attends. Students can apply for the COF at www.cof.college-assist.org.

Two-Year College Admissions

For the most part, entrance requirements for two-year colleges will be your high school diploma. Students may be required to take the "Accuplacer" administered by the college for appropriate course placement.
Some technical programs are very competitive (i.e., physical therapy assistant) and grades, GPA and test scores may be a factor. Also, some technical programs may have a limited number of spaces and students who apply late may not be admitted. It is important to check with the specific college regarding entrance requirements.

Four-Year College Admissions

Because colleges and universities have different admission requirements, it would be impossible to give all that information in this book. In-state schools that are more selective such as the Colorado School of Mines, Colorado College, the University of Denver, and the United States Air Force Academy (as well as many out-of-state schools) have requirements that are more rigorous. Inquire with each college in which you have an interest for their specific requirements.

College Entrance Exams

Some four-year colleges and universities require college entrance exams for admissions purposes, but many colleges have adopted test optional policies, Colorado is a test optional state. At Colorado public four-year colleges and universities it is optional for applicants to submit SAT or ACT test scores as part of their admission application. Check with the college to see if standardized tests are required for admissions, placement, or scholarships.

SAT TEST (www.collegeboard.com) The State of Colorado requires all juniors to take this test. LPHS gives this exam in April. Go to www.collegeboard.com for additional information on test dates and fees for students wanting to take the exam on a National test date.

ACT TEST (www.actstudent.org) Students wishing to take the ACT on a national test date will need to take the test at a neighboring school or district. Go to www.actstudent.org for additional information on test dates and fees.

COURSES & PATHWAYS DESCRIPTIONS

English Courses

Graduation Requirement: 3 credits

Course No.	Course Title	Grade Level(s)				# Semesters	Pre-Req	NCAA Approved	Weighted Grade	College Credit ?	Cost	Entry Level	Credit Type
		9	10	11	12								
Core English Courses													
30533 (A), 30534 (B)	AP English Language and Composition			*		2	X	X	X				English
30539 (A), 30540 (B)	AP English Literature and Composition				*	2	X	X	X				English
30501 (A), 30502 (B)	English 1 A & B	*				2		X				X	English
30510 (A), 30511 (B)	English 2 A & B		*			2	X	X					English
30526 (A), 30527 (B)	English 3 A & B			*		2	X	X					English
30535 (A), 30536 (B)	English 4 A & B				*	2	X	X					English
30503 (A), 30504 (B)	Honors English 1 A & B	*				2		X				X	English
30512 (A), 30513 (B)	Honors English 2 A & B		*			2	X	X					English
English Electives													
30558	College and Career Writing			*	*	1	X	X					English
30520	Contemporary Film Genres		*	*	*	1						X	English
30508	Creative Writing 1		*	*	*	1		X					English
30509	Creative Writing 2			*	*	1	X	X					English
30563	Foundations of Design, Multimedia Arts & Digital Communication	*	*	*	*	1						X	English
30507	Mythology	*	*			1		X				X	English
31639 (A) 31640 (B)	Reporting A & B		*	*	*	2							English

Course No.	Course Title	Grade Level(s)				# Semesters	Pre-Req	NCAA Approved	Weighted Grade	College Credit ?	Cost	Entry Level	Credit Type
		9	10	11	12								
30517	Southwestern Literature and Culture			*	*	1		X				X	English
30560	21st Century Communication			*	*	1							English
31617 (A), 31618 (B)	Yearbook Production	*	*	*	*	2	X						English
CE ENG 121	CE-ENG 121 English Composition I			*	*	1	X	X		X			English
CE ENG 122	CE-ENG 122 English Composition II			*	*	1	X	X		X			English

Four language arts credits are recommended to meet the college-bound recommendations or three Language Arts credits for general graduation requirements. All students should take English 1 freshman year and English 2 sophomore year. There will be required readings in all English courses. Please see the Department Chairman if you have questions concerning this required reading.

Core English Courses

English 1	**30501 (A)** **30502 (B)**

Prerequisite: None

This course includes development of close reading skills, composition skills, writing organization, speaking, listening, and critical thinking. Literature studies will include traditional and contemporary pieces of literature in both fiction and non-fiction. Study skills, homework completion, and organization are also a focus. Students must register for A and B classes.

Honors English 1	**30503 (A)** **30504 (B)**

Prerequisite: Previous English teacher recommendation prior to registration

This course includes development of close reading skills, composition skills, writing organization, speaking, listening, and critical thinking. Literature studies will include traditional and contemporary pieces of literature in both fiction and non-fiction. Study skills, homework completion, and organization are also a focus. Students must register for A and B classes. Honors classes are challenging and require the students to exhibit a strong work ethic.. Students should register for both A and B classes.

English 2	**30510 (A)**

Honors English 2	**30512 (A)**

	30511 (B)

Prerequisite: English 1 or Honors English 1

This course builds upon skills learned in English 1, including further development of close reading skills, composition skills, writing organization, speaking, listening, and critical thinking. Literature studies will include traditional and contemporary pieces of literature in both fiction and non-fiction. Students must register for A and B classes.

	30513 (B)

Prerequisite: Honors English 1 or English 1 with teacher recommendation

This course builds upon skills learned in English 1, including further development of close reading skills, composition skills, writing organization, speaking, listening, and critical thinking. Literature studies will include traditional and contemporary pieces of literature in both fiction and non-fiction. Students must register for A and B classes. Honors English 2 is in depth and accelerated and builds upon skills learned in Honors English 1. Honors classes are challenging and require the students to exhibit a strong work ethic. Students should register for both A and B classes.

English 3	**30523 (A)** **30527 (B)**

Prerequisite: English 2 or Honors English 2

This course builds upon skills learned in English 2, including further development of close reading skills, composition skills, writing organization, speaking, listening, and critical thinking. American Literature studies will include traditional and contemporary pieces of literature in both fiction and non-fiction. In addition, grammar usage and reading strategies will be used in conjunction with SAT practice. Students must register for A and B classes

AP English Language and Composition	**30533 (A)** **30534 (B)**

Prerequisite: Recommendation of English 2 teacher or completion of Honors English 1 and 2

This course is designed for accelerated English students who are preparing to take the AP Language and Composition examination for college credit or for students who want a more challenging reading and writing class. A variety of prose written in a number of disciplines, time periods, and rhetorical contexts will provide the focus for most of the class lectures, discussions, formal and informal writing assignments, and independent study projects. Students must complete a summer assignment prior to the class beginning in the fall. Students must register for both A and B classes. Students may be responsible for purchasing AP texts.

Students must obtain written permission from the AP instructor before dropping an AP course.

English 4	**30535 (A)** **30536 (B)**

Prerequisite: English 3 or AP Language and Composition

English 4 is for students planning to attend college. English 4 builds upon skills learned in English 3 and helps prepare students to make the transition from high school to college in regards to Language Arts skills. Studies include close reading skills, composition skills, writing organization, speaking, listening, and critical thinking. Literature studies will include traditional and contemporary pieces of literature in both fiction and non-fiction. Students must register for A and B classes.

AP English Literature and Composition	**30539 (A)** **30540 (B)**

Prerequisite: Recommendation of English 3 teacher or recommendation of AP English Language and Composition teacher

This Advanced Placement English course in Literature and Composition is for accelerated students who are preparing to take the AP Literature and Composition examination for college. This AP English course focuses on intensive reading of world literature. Novels, plays, essays, short stories, and poems will be studied closely and will provide the focus for most of the class lectures, discussions, formal and informal writing assignments, and independent study projects. Students must complete a summer assignment prior to the class beginning in the fall. Students must register for both A and B classes. We recommend students take AP Language and Composition before taking AP Literature and Composition. Students are responsible for purchasing AP texts

Students must obtain written permission from the AP Instructor before dropping an AP course.

Elective English Courses

College and Career Writing	30558

Prerequisite: Recommendation from English 2 or 3 teacher

College and Career Writing A is a course for juniors or seniors who may be struggling with their writing and who want to improve their writing skills. This course is offered for students who need more specialized, individualized instruction to better prepare themselves for college and career readiness. This course counts as an English elective.

Contemporary Film Genres	30520

Prerequisite: None

This course involves an analytical study of contemporary cinema to determine how directors use literary elements and themes to tell stories visually. Students will enjoy watching films of a variety of genres to gain an understanding of film as a visual reflection of cultures and historical expression. Some movies viewed during the course may contain adult language and gory scenes. Assessments will include a variety of response writings, projects, and presentations. This course is an English elective credit.

Creative Writing 1	30508

Prerequisite: None

This course is designed for students who have a special interest in creative writing. The course will include instruction and practice in character development, dialogue, and plot, setting of short stories, figurative language, and structure of poetry. Students will produce a portfolio of work which will include original poetry, and fiction writing. This course is an English elective credit.

Creative Writing 2	30509

Prerequisite: Grade of B or higher in Creative Writing 1 with instructor approval

This course is designed for advanced creative writing students who can work independently. It provides an opportunity for students to write more intensively and extensively, create new work, and revise previously written work in a workshop setting. Students will produce an original portfolio contracted with the instructor. This course is an English elective credit.

ENG1021 (English Composition I)	CE-ENG 121

Prerequisite: See Multiple Measures

Emphasizes the planning, writing, and revising of compositions, including the development of critical and logical thinking skills. This course includes a wide variety of compositions that stress analytical, evaluative, and persuasive/argumentative writing. CE 1021 and CE 1022 are equivalent to AP Language and Composition A & B.

ENG1022 (English Composition II)	CE-ENG 122

Prerequisite: See Multiple Measures

Expands and refines the objectives of English Composition I. Emphasizes critical/logical thinking and reading, problem definition, research strategies, and writing analytical, evaluative, and/or argumentative compositions. CE 1021 and CE 1022 are equivalent to AP Language and Composition A & B.

This course is offered via Concurrent Enrollment.

Foundations of Design, Multimedia Arts & Digital Communication	30563

Prerequisite: None

Students are introduced to the variety of programs and occupations in the arts, audio/visual technology and communication systems. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in this cluster and knowledge, skills, and educational requirements for those opportunities. This course is an English elective credit.

Mythology	30507

Prerequisite: None

This course is a survey of ancient Greek and Roman mythology and its influence on our culture today. Students will read stories about gods, heroes, and the universe which illustrate the influence of these myths on the art, literature and culture of the modern world. A variety of writings and project-based learning will enhance student understanding and appreciation of the ancient texts. This course is an English elective credit.

Reporting A & B	31639 (A) 31640 (B)

Prerequisite: none

Students are introduced to the variety of programs and occupations in audio/video technology, communication and media systems. Students will demonstrate an understanding of how to gather information that may be published in print or online media. Instruction will be paired with hands-on lab experiences in community reporting, both verbal and visual. This course is an English elective credit. Students must register for A and B classes.

Yearbook Production	31617 (A) 31618 (B)

Prerequisite: Found. of Design, Multimedia recommended

Students on the yearbook staff will develop and produce the nationally award-winning Westwind yearbook, a historical record of the year. During the year-long course, they will practice the many facets of the journalist's craft: photojournalism, reporting, copywriting, and digital layout/graphic design using Adobe InDesign. This student-run production class requires that students work outside of normal school hours to photograph events, work with advertisers, interview subjects, and work on the layout of the yearbook in order to meet firm deadlines. The Westwind yearbook is partially funded through sales, but students are still required to sell advertising as part of their grade (points may also be earned through sales attempts or other extra credit opportunities). Students may be expected to put in extra hours including lunches, off periods and after school to ensure work is completed on time. Students must register for both A and B classes. This course is an English elective credit and may be repeated for credit upon instructor approval.

21st Century Communication	30560

Prerequisite: English 1 and 2 recommended

This course includes a concentrated study in all areas of communication from interpersonal communications to public speaking. Students will learn how nonverbal and verbal strategies, listening, perception, stereotyping, and self-concept all influence communication. The class will also teach students how to present various expository speeches by utilizing the latest technology as a tool in their speech making. Participants will be introduced to the latest research methods as well as how to incorporate these methods in their speeches. This course is an English elective credit.

Mathematics Courses

Graduation Requirement: 3 credits

Course No.	Course Title	Grade Level(s)				# Semesters	Pre-Req	NCAA Approved	Weighted Grade	College Credit	Cost	Entry Level	Credit Type
		9	10	11	12								
31151 (S1), 31152 (S2)	Applications of Algebra	*	*			1 or 2	X					X	Math
31105 (A), 31106 (B)	Algebra 1	*	*	*	*	2	X	X				X	Math
31149 (A), 31150 (B)	Honors Geometry	*	*			2	X	X					Math
31107 (A), 31108 (B)	Geometry		*	*	*	2	X	X					Math
31111 (A), 31112 (B)	Algebra 2			*	*	2	X	X					Math
31161 (A), 31162 (B)	Honors Algebra 2	*	*	*	*	2	X	X					Math
31117	Trigonometry			*	*	1	X	X					Math
31159 (A) 31160 (B)	AP Precalculus		*	*	*	2	X	X	X				Math
31145 (A), 31146 (B)	Advanced Quantitative Reasoning				*	2	X	X					Math
31125 (A), 31126 (B)	AP Calculus AB				*	2	X	X	X				Math
31127 (A), 31127.5 (B), 31128 (C)	AP Calculus BC (A, B, and C)			*	*	3	X	X	X				Math
31123 (A), 31124 (B)	AP Statistics		*	*	*	2	X	X	X	X	X		Math
31129	Calculus 3			*	*	1	X	X	X	X			Math
31141	Differential Equations (PRHS)			*	*	1	X	X	X	X			Math
HS115 (S1), HS116 (S2)	Educational Field Experience (elective credit)			*	*	1	X						Elective

Colorado State College and Universities Entrance Requirements for Math
In 2004, the Colorado Commission on Higher Education raised the math requirements for admission to Colorado colleges and universities. Students seeking admission to any Colorado state college or university will need 4 credits of approved math courses on your high school transcript beginning with Algebra I or higher. A list of approved and non-approved math courses that satisfy the Colorado state college and university admission requirements is below.

Non-Approved Courses
Applications of Algebra

Approved Math Courses

Advanced Quantitative Reasoning
Algebra 1
Algebra 2
Honors Algebra 2
Geometry
Honors Geometry
Trigonometry
AP Precalculus
AP Statistics
AP Calculus AB
AP Calculus BC

Students on an Accelerated Math Track
If the student is taking Honors Geometry or higher as a freshman, or Honors Algebra 2 or higher as a sophomore, the following applies; A grade of B- or higher must be achieved during the first semester. If not, the student may be returned to the preceding course in the mathematical sequence for the second semester to achieve greater mathematical maturity and polish. In such cases, the student may return to the higher course the following year beginning with the first semester.

The reasoning behind this policy is that moderate-to-poor performance as an accelerated math student has been observed to be a strong predictor of poor-to-failing performance in upper level coursework (Honors Algebra 2 and higher) and of early termination of math education altogether. In addition to taking advantage of the greater maturity and cognitive ability that comes naturally with each passing year among students, this represents an opportunity to improve the student's transcript with a better grade than the C or lower previously achieved.

Following **Algebra 2 or Honors Algebra 2**, students are ready to enter the following classes:
- AP Statistics
- Advanced Quantitative Reasoning
- AP Precalculus

Following **AP Precalculus**, students are ready to enter the following classes:
- AP Statistics
- AP Calculus AB
- AP Calculus BC
- Advanced Quantitative Reasoning

Math Placement for all Incoming Students

Students' records will be reviewed in their entirety. A standardized test score will be necessary to determine correct placement. Standardized tests include NWEA MAPS, PSAT, or SAT. If standardized test scores are unavailable or not submitted promptly, students will be required to take an Accuplacer Test. An Accuplacer Proctor will schedule this test at LPHS, and students will be placed according to these scores.

If previous standardized test scores are not provided, all incoming students will be initially placed as follows: Freshmen will be placed in Algebra 1, Sophomores in Geometry, Juniors in Algebra 2, and Seniors in Advanced Quantitative Reasoning. When an official standardized test score report is submitted or the Accuplacer has been completed, students' placement will be adjusted according to prerequisite scores set by the Lewis-Palmer School District Director of Assessment.

Math Courses

Advanced Quantitative Reasoning	31145 (A) 31146 (B)

Prerequisite: Algebra 2 and teacher recommendation

AQR is a college preparatory course in applied mathematics with a strong emphasis on statistics, financial applications, and the use of mathematical models involving discrete mathematics, algebra, geometry, and trigonometry to solve complex problems in a range of applied contexts. AQR is designed for students who may pursue a non-mathematics intensive major in business, social sciences, or the arts at the post-secondary level as well as for students who may enter workforce training programs or technical certificate programs directly after high school. Students will engage in group work, project work, presentation work, and discovery work. The TI-84 graphing calculator is used extensively throughout the course. A student must provide their own TI-84 graphing calculator.

Algebra 1	31105 (A) 31106 (B)

Prerequisite: Pre-Algebra skill and math teacher recommendation

Algebra 1 is the study of algebraic expressions and equations, linear and nonlinear functions, polynomials, radical and rational functions, quadratics, exponential functions and data analysis. This course is the base-level course for the CCHE four year-math requirement and is a rigorous introduction to concepts and methods used and developed during subsequent math and science classes. Extensive use is made of the TI-84 calculator, which the student must provide. Threaded throughout the course is topic-related SAT preparation to provide students a solid foundation for meeting graduation requirements and improving performance on this critical college acceptance measure.

Algebra 2	31111 (A) 31112 (B)

Prerequisite: Successful completion of Algebra 1 and Geometry

This second year of Algebra refines and expands techniques in elementary algebra. Emphasis is placed on developing fundamental algebra skills required for higher level problem-solving. Topics include the study of real and complex numbers, conic sections, exponential and logarithmic functions, and rational expressions. Students must register for both A and B courses. The TI-84 graphing calculator is used extensively throughout the course. A student must provide their own TI-84 graphing calculator.

Honors Algebra 2	31161 (A) 31162 (B)

Prerequisite: Minimum grade of B in Algebra 1 and Geometry; teacher recommendation

This course is designed for students planning on continuing to Pre-Calculus. The second year of Algebra refines and expands techniques in elementary algebra. Emphasis is placed on developing fundamental algebra skills required for higher level problem-solving. Topics include the study of real and complex numbers, conic sections, exponential and logarithmic functions, rational expressions, the unit circle, degree and radian measure, application of the laws of sine and cosine, properties and graphs of the six trigonometric functions, trig identities and equations. The TI-84 graphing calculator is used extensively throughout the course. A student must provide their own TI-84 graphing calculator. Students must register for both A and B courses.

Applications of Algebra	31151 (A) 31152 (B)

Prerequisite: Teacher placement in course

In this course, students will apply algebraic concepts to strengthen and reinforce basic mathematical skills as they begin to build the reasoning and patterning skills required to be successful in Algebra 1. There will be strong emphasis on solving problems in a wide range of applied contexts intended to engage students in learning, exploring, and presenting relevant mathematical concepts. The TI-84 graphing calculator is used extensively throughout the course. A student must provide their own TI-84 graphing calculator.

AP Calculus AB	31125 (A) 31126 (B)

Prerequisite: Minimum grade of C in Precalculus

The Advanced Placement Program in mathematics is under the direction of the College Examination Board. Calculus AB is a course in introductory calculus with elementary functions. In addition to working with properties of functions, Calculus AB allows students to gain experience with the basic techniques of differential and integral calculus and their applications. The TI-84 graphing calculator is used extensively throughout the course. A student must provide their own TI-84 graphing calculator. Students must register for both A and B courses. The course is designed to prepare students to take the Advanced Placement exam in May. Students must obtain written permission from the AP instructor before dropping an AP Course.

AP Calculus BC	31127 (A), 31127.5 (B), 31128 (C)

Prerequisite: Minimum grade of C in Precalculus

The Advanced Placement Program in mathematics is under the direction of the College Examination Board. Calculus BC is a full year college calculus class. In addition to gaining experience with the basic techniques of differential and integral calculus and their applications, the expanded content of the BC syllabus allows students to study sequences and series. Additional knowledge of the theoretical tools of calculus is also required. The TI-84 graphing calculator is used extensively throughout the course. A student must provide their own TI-84 graphing calculator. Students must register for A, B, and C. The class will meet two periods during the first semester and one period during the second semester. (The course is designed to prepare students to take the Advanced Placement exam in May). Students must obtain written permission from the AP instructor before dropping an AP Course. Students may be responsible for purchasing AP texts.

AP Statistics	31123 (A) 31124 (B)

Prerequisite: Minimum grade of C in Algebra 2B

The Advanced Placement Program in mathematics is under the direction of the College Examination Board. AP Statistics is a two-semester course that is equivalent to a one-semester non-calculus based college course in statistics. Students will use statistical methods and tools to collect, analyze, and interpret real-life data. Exploratory data analysis, probability, basic experimental design, regression, and inference topics including confidence intervals, one- and two- proportion z-tests, one-and two-sample t-tests for means, and chi-square tests will be covered. The TI-84 graphing calculator is used extensively throughout the course. A student must provide their own TI-84 graphing calculator. Students must register for both A and B courses. The course is designed to prepare students to take the AP exam in May. For this course, students must purchase an AP preparation workbook that students will keep upon completion of the course. Students must obtain written permission from the AP instructor before dropping an AP course. UCCS college credit for this course is available. Students may be responsible for purchasing AP texts.

This class has a fee of approximately $35.00 per semester.

Calculus III	31129

Prerequisite: Previously completed AP Calculus BC with a C- or better

This course is the third semester of the calculus sequence. Topics covered include multivariate calculus, vector functions, partial differentiation, directional derivatives, line integrals, multiple integration, maxima and minima in multiple dimensions, Lagrange multipliers, and solid analytical geometry. Emphasis is on enhancement of student critical thinking and problem solving capabilities while examining the concepts behind multivariable calculus. This course may be eligible for college credit. Per University of Colorado Denver policy, eligibility to secure dual enrollment credit for Calculus III includes either a score of 4 or 5 on the AP Calculus BC exam or a passing grade in Calculus II on a college transcript.

This course is eligible for college credit.

Differential Equations	31141

Prerequisite: Previously completed AP Calculus BC with a C- or better

Differential Equations is the next course in a progression of classes following Calculus III at the university level. This first course introduces the concepts and the theory of ordinary differential equations. An understanding of differential equations is fundamental to further study in engineering and their sciences. Topics include solutions to first order non-homogeneous equations by the methods of undetermined coefficients and variations of parameters, the Laplace transform method, power series solutions, numerical solutions, and systems of first order linear equations. This course may be eligible for college credit. Per University of Colorado Denver policy, eligibility to secure dual enrollment credit for Calculus III includes either a score of 4 or 5 on the AP Calculus BC exam or a passing grade in Calculus II on a college transcript.
This course is eligible for college credit.

Geometry	31107 (A) 31108 (B)

Prerequisite: Minimum grade of C in Algebra 1

Geometry is the study of the properties and relationships of plane and solid figures. The topics covered include angle measurements and relationships, line relationships, properties of polygons and solids, similarity and congruence, the Pythagorean relationships, circles, constructions, area, volume, transformations, and other enrichment topics. The student will develop logical thinking skills using problem solving and deductive reasoning. Algebra skills are integrated throughout the course. Students must register for both A and B courses. The TI-84 graphing calculator is used extensively throughout the course. A student must provide their own TI-84 graphing calculator.

Honors Geometry	31149 (A) 31150 (B)

Prerequisite: All incoming freshmen with teacher rec.; sophomores with a minimum grade of B- in Algebra 1

This honors-level course is for motivated mathematics students who are interested in an in-depth understanding of Geometry. The topics covered include angle measurements and relationships, line relationships, properties of polygons and solids, similarity and congruence, the Pythagorean relationships, circles, constructions, area, volume, transformations, and other enrichment topics. This is a two semester course with a prerequisite of a B- or better in Algebra 1. Students must register for both A and B courses. The TI-84 graphing calculator is used extensively throughout the course. A student must provide their own TI-84 graphing calculator.

AP Precalculus	31159 (A) 31160 (B)

Prerequisite: Minimum grade of B in Algebra 2 or C in Honors Algebra 2

AP Precalculus serves three main groups of students:
* Students who take AP Precalculus before their senior year will be well-prepared for success in AP Calculus or any subsequent math they may need,
* Students interested in STEM majors and careers will be well-prepared to take calculus in college, and
* Students will often be able to use a qualifying AP Precalculus Exam score to fulfill a college math requirement and focus on courses most central to their major.

Topics include: Polynomial and Rational Functions, Exponential and Logarithmic Functions, Trigonometric and Polar Functions, and Functions Involving Parameters, Vectors, and Matrices.
A TI-84 Graphing calculator is required.

Trigonometry	31117

Prerequisite: Minimum grade of C in Algebra 2

Trigonometry is the study of the properties of triangles, the circular trigonometric functions and their applications. Emphasis is placed on developing fundamental algebra skills required for higher level problem-solving. Topics include the unit circle, degree and radian measure, application of the law of sine and cosines, properties and graphs of the six trigonometric functions, trig identities and equations, and polar and parametric equations. The TI-84 graphing calculator is used extensively throughout the course. A student must provide their own TI-84 graphing calculator.

Science Courses

Graduation Requirement: 2 credits

Course No.	Course Title	Grade Level(s)				# Semesters	Pre-Req	NCAA Approved	Weighted Grade	College Credit ?	Cost	Entry Level	Credit Type
		9	10	11	12								
Core Science													
31327 (A), 31327.5 (B), 31328 (C)	AP Biology (A, B, and C)			*	*	3	X	X	X				Science
31333 (A), 31323 (B), 31324 (C)	AP Chemistry (A, B, and C)			*	*	3	X	X	X				Science
31340 (A), 31341 (B)	AP Envir. Science			*	*	2	X	X	X				Science
31305 (A), 31306 (B)	Biology	*	*	*	*	2		X				X	Science
31311 (A), 31312 (B)	Chemistry			*	*	2	X	X					Science
31342 (A), 31343 (B)	Honors Chemistry		*	*	*	2	X	X					Science
31356 (A), 31357 (B)	Earth & Space Science	*				2		X				X	Science
31307 (A), 31308 (B)	Honors Biology	*	*			2	X	X				X	Science
31318 (A), 31319 (B)	Physics			*	*	2	X	X					Science
31325 (A) 31326 (B)	AP Physics (Mechanics)			*	*	2	X	X		X			Science
Science Elective													
31350 (A)	Advanced Astronomy A			*	*	1	X	X					Science
31352 (A) 31353 (B)	Introduction to Forensic Science A & B			*	*	2							Science

Course No.	Course Title	Grade Level(s)				# Semesters	Pre-Req	NCAA Approved	Weighted Grade	College Credit ?	Cost	Entry Level	Credit Type
		9	10	11	12								
Science Electives Continued													
31313	Geology			*	*	1							Science
31314	Zoology			*	*	1	X	X			X		Science
31022 (A), 31023 (B)	PLTW: Principles of Biomedical Sciences I & II	*	*	*	*	2	X	X		X	X	X	Science
31024 (A), 31025 (B)	PLTW: Human Body Systems I & II		*	*	*	2	X	X		X	X		Science
31026 (A), 31027 (B)	PLTW: Medical Interventions I & II			*	*	2	X	X		X	X		Science
31028 (A), 31029 (B)	PLTW: Biomedical Innovations I & II			*	*	2	X	X		X	X		Science

Students may take any science course they wish in any order as long as they have completed the listed prerequisites. However, it is the considered opinion of the Science Department that the standard course of study for science for the best preparation for college should be: Earth & Space Science, Biology, Chemistry, and Physics (in order).

CAUTION: Personal preferences will not necessarily assure the best preparation for college.

Please note that all of the science courses at Lewis-Palmer High School are considered to be "lab-based" courses. Designation of lab courses varies for each higher institution. It is always recommended to research prospective colleges with regard to their lab course criteria.

After completing Chemistry, students are ready to enter the following classes:

- PLTW Biomedical course
- Advanced Astronomy
- Introduction to Forensics Science
- Geology
- Zoology

Following **Honors Chemistry**, students are ready to enter the following classes:

- PLTW Biomedical course
- Physics
- AP Chemistry
- AP Physics
- AP Biology

Core Science

AP Biology A, B & C	31327 (A), 1327.5 (B), 31328 (C)

Prerequisite: Completion of Biology and Chemistry (students with lower than B grades in previous science/mathematics will find this course to be exceedingly difficult)

The AP Biology course is designed to be the equivalent of a college introductory biology course from a high-quality college program. The course is designed to prepare the student for the Advanced Placement Exam scheduled for May of each year. Topics covered include: Molecules and Cells, Heredity and Evolution, and Organisms and Populations. The successful AP Biology student should understand that science is a process not an accumulation of facts, recognize the unifying themes of biology, and apply biological knowledge and critical thinking to environmental and social concerns. Students must register in A, B, and C. The class will meet one period during the first semester and two periods during the second semester ("dovetails" with AP Calculus BC). Laboratories may require class work outside of regularly scheduled class time. Students must obtain written permission from the AP instructor before dropping an AP course. Students may be responsible for purchasing AP texts.

AP Chemistry A, B & C	31333 (A), 31323 (B), 31324 (C)

Prerequisite: Honors Algebra 2; grade of B or above in Chemistry

The AP Chemistry course is designed to be the equivalent of the general chemistry, introductory college course. The course will prepare students to take the Advanced Placement Exam in May of each year. Students in the course will further their understanding of chemical principles learned in the first-year chemistry course, with emphasis on chemical calculations and mathematical formulations. Topics include atomic structure and chemical bonding, states of matter, chemical reactions, equilibrium, kinetics, thermodynamics, and electrochemistry. Laboratory experiments are an integral part of the course curriculum and students will be required to purchase a laboratory notebook. The cost will be about $20. Students must obtain written permission from the AP instructor before dropping an AP course. Students may be responsible for purchasing AP texts.

AP Environmental Science	31340 (A) 31341 (B)

Prerequisite: Biology and Chemistry with a grade of C or better

The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science. The course will prepare students to take the Advanced Placement Exam in May of each year. The goal of the course is to provide students with the scientific principles, concepts, and methodologies to identify and analyze environmental problems both natural and human-made, to evaluate the risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Topics include earth systems and resources, ecosystems, populations, land and water use, resource consumption, pollution, and global change. The course will include both laboratory and field investigations. Students must obtain written permission from the AP instructor before dropping an AP course. Students may be responsible for purchasing AP texts.

Biology	31305 (A) 31306 (B)

Prerequisite: None

Biology is a phenomenon based course that focuses on an ecosystem's interactions, dynamics and matter and energy. As well as general inheritance and variation of traits and ending with natural selection, population evolution and speciation. This is a yearlong course that aligns with the Colorado Department of Education Science Standards as well as the National Next Generation Science Standards.

Students opting to accelerate in Science by taking Biology and are *not* accelerated in math (taking Algebra 1) may not meet the requirements for a science class the following year.

Chemistry	31311 (A) 31312 (B)

Prerequisite: Enrollment in Algebra 2 and successful completion of Biology.

This course is based on theoretical concepts in chemistry. It emphasizes the conceptual approach to studying chemistry with less mathematical emphasis than the honors chemistry course. This course is recommended for students who do not plan on continuing their education in chemistry, physics, technical, medical, or other science-related fields. Students must use/have a non-programmable calculator for this course. Calculators not provided, no graphing calculators.
This course will not provide students with the content knowledge to move to AP Chemistry. Student planning on continuing to AP Chemistry should enroll in Honors Chemistry.

Honors Chemistry	31342 (A) 31343 (B)

Prerequisite: Concurrent enrollment in Honors Algebra 2 or higher.

Honors Chemistry is intended to provide the science-motivated student with the opportunity to experience a more rigorous lab-based study of chemical concepts. The topics covered mirror those found in the Chemistry course, but will be covered in more depth. Additional topics will be explored as well. Students enrolled in this class are expected to be independent learners with advanced mathematical skills.

Earth & Space Science	31356 (A) 31357 (B)

Prerequisite: None

Earth & Space Science provides the essentials behind today's environmental concerns, surface processes, Earth's history, oceanography, and astronomy. Study skills, time management, and organization are important factors within the Earth & Space Science curriculum. Students must enroll in both A and B courses.

Honors Biology	31307 (A) 31308 (B)

Prerequisite: 9th graders require approval from their middle school science teacher.

Honors Biology is a course in the study of life science in an environment of increased academic rigor. Major areas of study will include ecology, biochemistry, cell biology, genetics and evolution. Other topics may include human anatomy, botany and physiology. The emphasis of the class will be data analysis, content application and practical (lab) work. This includes experimental design and statistical analysis. The class is designed to challenge the student across the curriculum. A strong work ethic is required to excel in this class. The course is also intended to present the global aspects of biology. Additional time outside of class will be required to complete research and other required activities.

Students with lower than B grades in previous math and science courses will find this course to be exceedingly difficult.

Students opting to accelerate in Science by taking Honors Biology and are *not* accelerated in math (taking Algebra 1) may not meet the requirements for a science class the following year.

AP Physics C (Mechanics)	31325 (A) 31326 (B)

Prerequisite: Current or previous enrollment in AP Calculus (AP Calculus B/C preferred, or consent of instructor. (Previous completion of a physics course is highly recommended, but not required. Students must get the consent of the instructor if the student has not taken Physics.)

The AP Physics C course is designed to be the equivalent of a first semester college physics class and is appropriate for students who intend to major in engineering or in a physical science. Emphasis is placed on solving a variety of challenging problems and on developing a deep understanding of physics concepts. Methods of calculus are used wherever appropriate in formulating physical principles and applying them to problem solving. The course will prepare the student for the Advanced Placement Physics C Mechanics Exam scheduled for May of each year. Laboratories may require class work outside of regularly scheduled class time. Students must obtain written permission from the AP Instructor before dropping an AP course. Students may be responsible for purchasing AP texts.

Physics	31318 (A) 31319 (B)

Prerequisite: Enrollment in pre-calculus or higher, C or higher in previous math and science courses

Students in physics examine the natural world. Emphasis is on both a conceptual understanding of physical processes and the mathematical relationships that describe various phenomena. Topics in this physics course include a thorough treatment of Newtonian mechanics as well as waves and periodic motion, sound, light, and electricity. Labs and computer simulations are included as part of the course. The mathematical rigor of the course is such that students are required to have passed Algebra 2/Trig and be enrolled in Pre-Calculus. Students can earn college credit for the course from UCCS through the CU Succeed program.

Science Electives

Advanced Astronomy A	31350

Prerequisite: Enrollment in Algebra 2 or higher

An elective course where students gain a general overview of the technological advancements in space exploration. Students will also gain insight into the history of astronomy, motions of the Earth, Earth's moon, the planets, and theories about solar system development. Students need the mathematical ability to convert units due to the enormous size of astronomical numbers.

Introduction to Forensic Science A	31352

Prerequisite: Biology

In Forensic Science, students will apply the principles and techniques of science to analyzing crime scene evidence. Emphasis will be placed on lab techniques and scientific inquiry, as well as aspects of the criminal justice system and the admissibility of evidence. Topics include crime scene analysis and documentation, blood typing, fingerprint analysis, serology and pathology. This is a hands-on course and is lab intensive. A mature attitude is expected. Open to juniors and seniors. Exceptions for sophomores will be made on a case by case basis.

Introduction to Forensic Science B	31353

Prerequisite: Biology

Students will build upon their forensic knowledge by investigating additional forensic science techniques. Students will continue to apply the principles and techniques of science to analyzing crime scene evidence. Emphasis will be placed on lab techniques and scientific inquiry, as well as aspects of the criminal justice system and the admissibility of evidence. Topics include tool marks, ballistics, arson investigation, accident reconstruction, forensic psychology, and questioned documents. This is a hands-on course and is lab intensive. A mature attitude is expected as is a Sophomore/Junior/Senior class standing. Students may enroll in this course without taking Intro to Forensic Science A.

Zoology	31314

Prerequisite: Biology - 1 year

This course will survey the invertebrates. Students will perform anatomical investigations as well as related laboratory activities. The environmental, social, and economic significance of animals will be discussed throughout. Students will perform laboratory investigations to include dissection of animals. Lab costs will be approximately $20.

Geology	31313

Prerequisite: None

Geology is an elective course that unravels Earth's 4.6-billion-year geologic history. Three main themes: plate tectonics, time, and evolution are essential to the interpretation and appreciation of historical geology. Students will examine the changes Earth has undergone by exploring fossil evidence and mass extinctions. Field trips may be used to enhance learning.

Biomedical Science Pathway

PLTW: Principles of Biomedical Sciences I & II	31022 (A) 31023 (B)

Prerequisite: Minimum grade of C in Biology or concurrent enrollment in Biology

In this course, students explore concepts of biology and medicine as they take on roles of different medical professionals to solve real-world problems. Over the course of the year, students are challenged in various scenarios including investigating a crime scene to solve a mystery, diagnosing and proposing treatment to patients in a family medical practice, to tracking down and containing medical outbreak at a local hospital, stabilizing a patient during an emergency, and collaborating with others to design solutions to local and global medical problems.Students do not need Chemistry for this course

Freshmen on the Biomedical Science Pathway and taking Algebra 1, will need to take PLTW: Human Body Systems I & II for their sophomore science class.

A fee of $25.00 per semester will be charged for this course.

PLTW: Human Body Systems I & II	31024 (A) 31025 (B)

Prerequisite: Completion of PLTW PBS with a grade of "B" or better or concurrent enrollment in PLTW Principles of Biomedical Sciences

In the Human Body Systems (HBS) course, students examine the interactions of body systems as they explore identity, communication, power movement, 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. Students do not need Chemistry for this course

A fee of $25.00 per semester will be charged for this course.

PLTW: Medical Interventions I & II	31026 (A) 31027 (B)

Prerequisite: Completion of PLTW Human Body Systems with a grade of "C" or better

Medical Interventions (MI) allows students to investigate the variety of interventions involved in the prevention, diagnosis, and treatment of disease as they follow the lives of a fictitious family. A "How-To" manual for maintaining overall health and homeostasis in the body, the course will explore how to prevent and fight infection, how to screen and evaluate the code in our DNA, how to prevent, diagnose, and treat cancer and how to prevail when the organs of the body begin to fail. Through these scenarios students will be exposed to a wide range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. Each family case scenario will introduce multiple types of interventions, reinforce concepts learned in the previous two courses, and present new content. Interventions may range from simple diagnostic tests to treatment of complex diseases and disorders. These interventions will be showcased across generations of the family and will provide a look at the past, present, and future of biomedical science. Lifestyle choices and preventative measures are emphasized throughout the course as well as the important role that scientific thinking and engineering design play in the development of interventions of the future.

A fee of $25.00 per semester will be charged for this course.

PLTW: Biomedical Innovations I & II	31028 (A) 31029 (B)

Prerequisite: Completion of PLTW Medical Interventions with a grade of "B" or better or concurrent enrollment in PLTW MI (requires instructor approval)

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. They have the opportunity to work on an independent project and may work with a mentor or advisor from a university, hospital, physician's office, or industry. Throughout the course, students are expected to present their work to an adult audience that may include representatives from the local business and healthcare community.

A fee of $25.00 per semester will be charged for this course.

Social Studies Courses

Graduation Requirement: 3 credits including Civics and American History

Course No.	Course Title	Grade Level(s)				# Semesters	Pre-Req	NCAA Approved	Weighted Grade	College Credit ?	Cost	Entry Level	Credit Type
		9	10	11	12								
Core Social Studies													
31537 (A), 31538 (B)	American History			*	*	2		X					Social Studies
31522 (A), 31523 (B)	Americana			*	*	2	X						Social Studies
31516 (A), 31517 (B)	AP European History		*	*	*	2	X	X	X				Social Studies
31551 (A), 31552 (B)	AP Human Geography		*	*	*	2	X	X	X				Social Studies
31529 (A), 31530 (B)	AP U.S. History			*	*	2	X	X	X				Social Studies
31559 (A) 31560 (B)	AP World History: Modern		*	*	*	2		X	X				Social Studies
31540 (A), 31541 (B)	Civics and Economics	*				2		X				X	Social Studies
31542 (A), 31543 (B)	Honors Civics and Economics	*				2	X	X				X	Social Studies
31557 (A), 31558 (B)	World History and Geography		*			2		X					Social Studies
Social Studies Electives													
31535 (A), 31536 (B)	AP Psychology			*	*	2	X	X	X				Social Studies
31505	Ancient World History			*	*	1		X					Social Studies
31526	Psychology 1			*	*	1		X					Social Studies
31528	Sociology			*	*	1		X					Social Studies
31514	Street Law			*	*	1							Social Studies

Core Social Studies

American History	**31537 (A)** **31538 (B)**

Prerequisite: None

American History is an in-depth college preparatory course designed to acquaint students with the flow of American political, economic, and social history. Through hands-on activities, lectures, discussions, role-plays, literature, and computer technology students will explore our nation's development from Reconstruction to present day. Topics include Reconstruction, the study of industry and farming, American Imperialism, World War I, the Roaring Twenties, the Depression, America's role in World War II, the origins and conduct of the Cold War, the Civil Rights Movement, Vietnam and the Sixties, Watergate, the Seventies, Eighties, and Nineties. Students must take both A and B courses for full credit.

Americana	**31522 (A)** **31523 (B)**

Prerequisite: General and career and technical education programs and teacher/counselor recommendation

Americana is a non-college preparatory American history course primarily for vocational and general students. The course emphasizes a topical look at American history. We will employ audio-visual presentations to help supplement the course as well as current events and simulations. Much of the classroom time will be spent relating and discussing the aspects of American History to the present day. Students must register for both A and B courses.
Americana is offered every other year. It will not be offered again until 2026/2027.

AP European History	**31516 (A)** **31517 (B)**

Prerequisite: Teacher recommendation

This class takes a demanding in-depth look at European History and includes such eras as the Renaissance, Exploration, Enlightenment, Industrial Revolution, the World Wars, and post-communism, as well as political theory, social history, art, and leaders such as Louis XIV, Peter the Great, Napoleon, and Hitler. Students will develop an understanding of principle themes; analyze historical evidence via primary and secondary sources as well as statistical and visual material in preparation to take the AP Exam in May. Students must register for A and B courses. There will be a reading assignment during the summer. Students must obtain written permission from the AP instructor before dropping an AP course. Students may be responsible for purchasing AP texts.

AP Human Geography	**31551 (A)** **31552 (B)**

Prerequisite: Teacher recommendation

The AP Human Geography course explores how humans have understood, used, and changed the surface of Earth. Students will use the tools and thinking processes of geographers to examine patterns of human population, migration, and land use. In this college-level course, students will connect geographic concepts and processes to real-life scenarios and current events. They will analyze information shown in maps, tables, charts, graphs, infographics, images, and landscapes to look for patterns and draw conclusions. Students must register for both A and B Courses. Students may be responsible for purchasing AP texts. Students must obtain written permission from the AP instructor before dropping an AP course.

AP U.S. History	**31529 (A)** **31530 (B)**

Prerequisite: Teacher recommendation

This course is designed to help students take and pass the Advanced Placement Test that is given in May of every year. Some universities may give students who pass the test college credit for this high school work. The class is a demanding, in-depth look at the events throughout all of United States' history. Students must register for both A and B courses. There will be required reading and writing assignments during the summer. Students must obtain written permission from the AP instructor before dropping an AP course. Students may be responsible for purchasing AP texts.

Civics and Economics	**31540 (A)** **31541 (B)**

Prerequisite: None

Students will know the basic roles and responsibilities of citizenship and understand the basic constitutional principles of the United States' democratic republican form of government. They will know the structure and function of government at the national, state and local levels. They will know and understand the role of law in the state and national constitutional systems. They will analyze the relationship between economics and politics as well as the influence of political parties. They will also learn how the United States participates in world affairs. This course touches on components of personal financial literacy (PFL) including financial planning, budgeting, investing, managing debt/credit, and insurance. Students must register for both A and B semesters. This course does not satisfy the district graduation requirement for all students to take a personal financial literacy course.

Honors Civics and Economics	31542 (A) 31543 (B)

Prerequisite: Teacher recommendation; if student has a D or F at semester, student will be placed in a Civics class

Students will develop an understanding of the American system of government, economics, politics, law and international relations. Topics such as fundamental rights, separation of powers, supply and demand, prices and competition, roles of political parties, civil and criminal legal processes, state and local governments, and world affairs will be analyzed in detail using inter- disciplinary sources and methods. Students will also understand the rights, responsibilities, and roles of citizenship. This course touches on components of personal financial literacy (PFL) including financial planning, budgeting, investing, managing debt/credit, and insurance. The accelerated curriculum will allow students to pursue in-depth projects, problem-based learning, and higher levels of thinking in discussions, presentations and writing which will challenge Honors students. Students must register for both A and B semesters. This course does not satisfy the district graduation requirement for all students to take a personal financial literacy course.

World History and Geography	31557 (A) 31558 (B)

Prerequisite: None

In this course, students develop a greater understanding of the regions, cultures, and history of the early modern era. This class explains the world in spatial terms through the study of places and regions. The course examines the development of European ideas and institutions, Asian Empires, African civilizations, Latin America, and Oceania. There is a focus on worldwide conflicts of the 20th century and contemporary issues around the world. Students use historical inquiry and evaluate primary and secondary sources to develop skills of analysis, interpretation, judgment, decision-making, and communication. Students analyze historical continuity and change, define identity, cause and effect, unity and diversity. Students gain understanding about the significance of ideas as powerful forces throughout history. Map work, interpretation of patterns, the relationships between physical and human environments, and using geography to plan for the future are incorporated into the course. This course is highly recommended for sophomores who are not in AP European History , AP Human Geo., or AP World History. Students who complete this course meet the CU req. for Geography.

Social Studies Elective Classes

AP Psychology	31535 (A) 31536 (B)

Prerequisite: Teacher recommendation

AP Psychology introduces students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. This course is designed to help students prepare to take and pass the Advanced Placement Psychology test. Some universities may give students who pass the test college credit for their high school work. The class is a demanding, in-depth look at the field of psychology. Students must register for both A and B courses. Students are responsible for purchasing AP texts. Students must obtain written permission from the AP instructor before dropping an AP course.

AP World History: Modern	31559 (A) 31560 (B)

Prerequisite: None

AP World History: Modern is a course designed to help students prepare for the Advanced Placement Test that is given in May every year. Some universities may give students who pass the AP test college credit. The class will focus on the cultural, economic, political, and social developments that have shaped the world from 1200 CE to the present. There will be required reading and assignments during the summer. Students must register for both A and B courses. Students must obtain written permission from the AP instructor before dropping an AP course. Students may be responsible for purchasing AP texts.

Ancient World History	31505

Prerequisite: None

The semester will begin with the appearance of the earliest humans and trace humankind's development through the Stone Ages, earliest civilizations, and classical civilizations, ending with the world situation at the start of the Middle Ages. Ancient World History travels all regions of the world in a chronological fashion from early man to 1,000 CE.

Psychology 1	31523

Prerequisite: None

This elective course surveys the fundamentals of psychology including the various approaches used to explain behavior and scientific methodology. The class will focus on teenage behavior and development as students prepare for life beyond high school. Topics include: learning, motivation, consciousness, personality, the teen brain, emotion, resilience, stress and the psychology of well-being. Emphasis is placed on using the study of psychology in the student's own life as students will complete self reflections and projects to learn more about themselves.

Sociology	31528

Prerequisite: None

This is a general survey course including sociology as a science, man and culture, social groups, social institutions, social interaction and social change. Topics include socialization, race, gender, stratification, deviance, religion, and collective behavior.

Street Law	31514

Prerequisite: None

Street Law is an elective course for upperclassmen. It emphasizes practical law in the following areas: introduction to law, criminal and juvenile justice, and tort law. Simulations, role-playing, debates, case study and mock trials are the methods stressed. Controversial topics or situations may be presented during this class.

Physical Education Pathway Courses

Graduation Requirement: 1.5 credits of P.E. and .5 credit of Health

Course No.	Course Title	Grade Level(s)				# Semesters	Pre-Req	NCAA Approved	Weighted Grade	College Credit ?	Cost	Entry Level	Credit Type
		9	10	11	12								
30825 (A), 30826 (B)	Athletic Training			*	*	2	X				X		Elective
30808	Body Toning / Fitness	*	*	*	*	1						X	Physical Education
30802	Health	*				1						X	Health
30821	Team / Recreational Sports	*	*	*	*	1						X	Physical Education
30820	Individual / Dual Sports	*	*	*	*	1						X	Physical Education
30814 (S1), 30815 (S2)	Ranger Power Training	*	*	*	*	1	X				X		Physical Education
30809	Self-Defense / Fitness	*	*	*	*	1						X	Physical Education
30803 (S1), 30804 (S2)	Strength Training and Conditioning 1	*	*	*	*	1					X	X	Physical Education
30812 (S1), 30813 (S2)	Strength Training and Conditioning 2	*	*	*	*	1	X				X		Physical Education
30807	Walking / Aerobic Fitness	*	*	*	*	1						X	Physical Education
30818	Yoga & Pilates	*	*	*	*	1						X	Physical Education
30829	Unified Physical Education	*	*	*	*	1						X	Physical Education
	Unified Leadership		*	*	*	1						X	Elective

Students may not take more than one PE class per semester, with the exception of Health , which can be taken in the same semester as another PE course. Students must complete 1.5 credits from Physical Education and .5 credits of Health to meet the college-bound recommendations for general graduation requirements. Freshmen must enroll in Health and one physical education class of their choice.

Athletic Training	30825 (A) 30826 (B)

Prerequisite: Completion of Health and Biology

Athletic Training (A & B) is a yearlong course which will give students a background knowledge followed by hands-on experience in Athletic Training and Sports Medicine. This Course will give students the opportunity to receive a nationally recognized certification from the American Red Cross in First Aid, CPR and AED for Adult / Child and Infant. Athletic Training refers to the prevention, evaluation/recognition, treatment/ management, and rehabilitation of athletic related injuries and illnesses. This course will provide students with an opportunity to learn how to recognize and treat athletic-related injuries through both classroom work and practical lab experiences in the athletic training room. This course will offer extensive education in musculoskeletal anatomy and physiology. This course will be beneficial to students considering a career in any medical field by exposing them to an understanding of many common medical procedures. Students will have an optional cost if they are seeking the American Red Cross certification for this class.

There will be a taping supply cost for section B of the course.

Body Toning / Fitness Training	30808

Prerequisite: None

This class provides an opportunity to strengthen and tone the body through an array of cardiovascular and strength training techniques. This class is a combination of plyometrics, yoga, Pilates and many other aerobic activities. This is a semester class that may be taken more than once. Physical and written assessments will also be included.
This class will include many types of fitness testing, including—but not limited to—FitnessGram testing, running and agility testing.
If you would like to take this course as a "0" hour M-F for 50 minutes, please indicate that on your registration form

Health	30802

Prerequisite: None

The modules used in this course cover mental, social, and physical well-being; the goal is to develop decision-making skills for a healthy lifestyle.

Team / Recreational Sports	30821

Prerequisite: None

This course is centered around team and recreational activities. Fitness activities will also be included in this course. Activities will include flag football, soccer, softball, basketball, team handball, floor hockey and volleyball. Physical and written assessments will also be included.
This class will include many types of fitness testing, including—but not limited to—FitnessGram testing, running and agility testing.

Individual / Dual Sports	30820

Prerequisite: None

This course is centered around individual and dual activities. Fitness activities will also be included in this course. Activities will include: tennis, badminton, pickleball, bowling, archery, orienteering, disc golf, tumbling, and golf. Physical and written assessments will also be included.
This class will include many types of fitness testing, including—but not limited to—FitnessGram testing, running, and agility testing.

Ranger Power Training	30814 (S1) 30815 (S2)

This course is designed for explosive, athletic type lifting. Ranger Power Training is designed for the student that does multiple sports and utilizes valuable time during the day to train. The course will require athletes to work out five days per week without days off. The course is not intended for people who cannot train every day because of multiple games during the week. It is designed to improve strength, increase explosiveness, and gain muscle mass. Approval from the head coach is required. Athletes are encouraged to sign up for this course. It can be taken in both first and second semester.

Self-Defense / Fitness	30809

Prerequisite: None

This course is a balance between self-defense and personal fitness. Equal time will be devoted to multiple fitness activities and learning the techniques and strategies involved in personal safety and self-defense skills. Safety, legal implications, practical strategies, and techniques will be stressed. Physical and written assessments will also be included.
This class will include many types of fitness testing, including—but not limited to—FitnessGram testing, running and agility testing.

Strength Training and Conditioning 1	30803 (A) 30804 (B)

Prerequisite: None

This course is designed for the individual strength and cardiovascular fitness of the student. It is open to all students who are serious about improving strength, power, and cardiovascular endurance.

Strength Training and Conditioning 2	30812 (S1) 30813 (S2)

Prerequisite: None

This class is open to female students who are very serious about improving strength training and improving sports performance. The course will include advanced strength training, plyometrics, and conditioning techniques.

Walking / Aerobic Fitness	30807

Prerequisite: None

This course is designed for individuals who want to improve their cardiovascular fitness and general strength through vigorous walking in the community. On bad weather days, students will participate in aerobic fitness activities inside. This course is not recommended for students involved in athletics.

Yoga & Pilates	30818

Prerequisite: None

This course is designed to improve student physical fitness through various forms of Yoga and Pilates activities. The Yoga/Pilates activities include a wide range of body movements and holds. Physical and written assessments will also be included. This class will include many types of fitness testing, including - but not limited to - FitnessGram testing, running, and agility testing. The instructor will collect a fee for this course.

Unified Physical Education	30829

Prerequisite: None

Unified Physical Education is a unique opportunity for students of varying ability levels and backgrounds to come together on equal terms through ongoing fitness, sports, leadership, nutrition, and wellness activities. This course focuses on the physical, intellectual and social growth of all participants using peer buddies for success. This class brings together students with and without disabilities to engage in physical activities that emphasize cooperation, communication, inclusivity and mutual respect.

Unified Leadership	30830

Prerequisite: None

Unified Leadership is a unique opportunity to develop character and values through sport. Unified Leadership teaches leaders, without disabilities, to value and learn from people with intellectual or physical disabilities to make changes and create environments where everyone gets opportunities to have meaningful jobs and roles. Through interactive activities leaders will use collaboration, communication, and inclusivity.

World Language Pathway Courses

Course No.	Course Title	Grade Level(s)				# Semesters	Pre-Req	NCAA Approved	Weighted Grade	College Credit ?	Cost	Entry Level	Credit Type
		9	10	11	12								
30601 (A), 30602 (B)	French 1	*	*	*	*	2		X				X	World Lang.
30603 (A), 30604 (B)	French 2	*	*	*	*	2	X	X					World Lang.
30605 (A), 30606 (B)	French 3		*	*	*	2	X	X					World Lang.
30607 (A), 30608 (B)	French 4			*	*	2	X	X					World Lang.
30633 (A), 30634 (B)	AP French Language and Culture			*	*	2	X	X	X				World Lang.
30611 (A), 30612 (B)	German 1	*	*	*	*	2		X				X	World Lang.
30613 (A), 30614 (B)	German 2	*	*	*	*	2	X	X					World Lang.
30615 (A), 30616 (B)	German 3		*	*	*	2	X	X					World Lang.
30617 (A), 30618 (B)	German 4			*	*	2	X	X					World Lang.
30619 (A), 30620 (B)	Spanish 1	*	*	*	*	2		X				X	World Lang.
30621 (A), 30622 (B)	Spanish 2	*	*	*	*	2	X	X					World Lang.
30623 (A), 30624 (B)	Spanish 3		*	*	*	2	X	X					World Lang.
30625 (A), 30626 (B)	Spanish 4			*	*	2	X	X					World Lang.

French Language

French 1	30601 (A) 30602 (B)

Prerequisite: None

French 1A and French 1B emphasize the oral skills of speaking and listening while developing the skills of reading and writing. Pronunciation skills are also stressed. In addition, students are introduced to the culture of France and the French-speaking world, including such topics as holidays, customs, school, food, etc. Note: Grade of C or better in English is highly recommended. Parts A and B constitute one full credit of French 1. Students must register for both A and B classes. Students must pass French 1A in order to continue on to French 1B.

French 2	30603 (A) 30604 (B)

Prerequisite: French 1A, 1B, or placement test

French 2A and French 2B continue to emphasize the basic language skills of speaking, listening, reading, and writing. Vocabulary is expanded and the student's conversational skills increased. The student acquires a more developed working knowledge of French culture. Parts A and B constitute one full credit of French 2. Students must register for both A and B classes. Students must pass French 2A in order to continue on to French 2B.

French 3	30605 (A) 30606 (B)

Prerequisite: French 1A, 1B, 2A, 2B, or placement test

French 3A and French 3B are a review and expansion of the grammatical principles presented in French 1 and 2. Emphasis is on strengthening oral skills, composition, and grammar. There is also a focus on verb tenses. Authentic French texts are read to increase vocabulary skills. These skills prepare the student for the French 4 and AP French courses. Parts A and B constitute one full credit of French 3. Students must register for both A and B classes. Students must pass French 3A in order to continue on to French 3B.

French 4	30607 (A) 30608 (B)

Prerequisite: French 1A, 1B, 2A, 2B, 3A, 3B, or placement test

This course is designed to increase the fluency in which students express themselves in French and to develop their ability to understand the language and cultures of the francophone world. It includes advanced grammar topics, writing practice, reading comprehension of literature, listening comprehension, contemporary topics, and speaking practice. The course is conducted in French and students are expected to express themselves in French. This course is also a preparatory course for the AP French course. Note: Parts A and B constitute one full credit of French 4. Students must register for both A and B classes. Students must pass French 4A in order to continue on to French 4B.

AP French Language and Culture	30633 (A) 30634 (B)

Prerequisite: French 1A, 1B, 2A, 2B, 3A, 3B, or placement test

Same topics as French 4 with the following additional components: The AP French Language and Culture course is designed to prepare students for the AP French Language and Culture exam. AP exam preparation requires significant outside work and diligent class preparation and participation. Students must obtain written permission from the AP instructor before dropping an AP course.

German Language

German 1	30611 (A) 30612 (B)

Prerequisite: None

The material presented during German 1A and 1B emphasizes basic language skills including pronunciation, speaking, reading, writing, and listening comprehension. The vocabulary presented is used frequently and includes such categories as classroom objects, household items, food, etc. Cultural material includes information about German schools, food, geography, holidays, etc. Grade of C or better in English is highly recommended. Parts A and B constitute one full credit of German 1. Students must register for both A and B classes.

German 2	30613 (A) 30614 (B)

Prerequisite: German 1A, 1B

The material presented during German 2A and 2B emphasizes basic language skills and gives further practice in the areas of listening comprehension, pronunciation, speaking, reading, and writing. First-year material is reviewed and frequently used. Grammatical structures and vocabulary are expanded. Cultural items including sections about travel, hobbies, school, etc. Frequent partner interaction for students to use the language in practice situations. Parts A and B constitute one full credit of German 2. Students must register for both A and B classes. Students must pass German 2(A) in order to continue on to German 2(B).

German 3	30615 (A) 30616 (B)

Prerequisite: German 1A, 1B, 2A, 2B

German 3A and 3B review the more complicated grammatical structures presented during the first two years. Vocabulary expansion and contemporary topics enable students to increase their speaking and writing ability. Contemporary literature provides an opportunity for students to learn about German culture. Frequent partner interaction and role-playing opportunities for students to use the language in practice situations. These skills prepare the student for German 4. Parts A and B constitute one full credit of German 3. Students must register for both A and B classes. Students must pass German 3(A) in order to continue into German 3(B).

German 4	30617 (A) 30618 (B)

Prerequisite: German 1A, 1B, 2A, 2B, 3A, 3B

This course is designed to increase the fluency in which students express themselves in German and to develop their ability to understand the language and cultures. It will include advanced grammar topics, writing practice, reading comprehension of literature, listening comprehension, contemporary topics, and speaking practice. The course is conducted in German and students are expected to express themselves in German. Note: Parts A and B constitute one full credit of German 4. Students must register for both A and B classes.

Spanish Language

Spanish 1	30619 (A) 30620 (B)

Prerequisite: None

Spanish 1A and 1B students begin developing basic language skills such as pronunciation and speaking, writing, listening comprehension, and reading. The acquisition of the new language requires that the student frequently use vocabulary related to everyday life. Students are introduced to Spanish cultures, through telling stories, readings, songs, videos and games. Parts A and B constitute one full credit of Spanish 1. Students must register for both A and B classes. Students must pass Spanish 1A in order to continue on to Spanish 1B. Students with previous Spanish experience should take the Spanish 2 placement exam.

Spanish 2	30621 (A) 30622 (B)

Prerequisite: Spanish 1A, 1B

Spanish 2A and 2B students review first-year material while building upon grammatical structures and vocabulary. Students will expand their command of Spanish grammar and continue study of Spanish speaking cultures. Students are introduced to Spanish cultures, through telling stories, readings, songs, videos and games. Parts A and B constitute one full credit of Spanish 2. Students must register for both A and B classes. Students must pass Spanish 2A in order to continue on to Spanish 2B.

Spanish 3	30623 (A) 30624 (B)

Prerequisite: Spanish 1A, 1B, 2A, 2B

Spanish 3A and 3B polish acquired skills and continue developing fluency in order to increase students' proficiency in the language. Students further their familiarity with Spanish-speaking culture through telling stories, readings, songs, videos, and games. Note: Parts A and B constitute one full credit of Spanish 3. Students must register for both A and B classes. Students must pass Spanish 3A in order to continue on to Spanish 3B.

Spanish 4	30625 (A) 30626 (B)

Prerequisite: Spanish 1A, 1B, 2A, 2B, 3A, 3B

Spanish 4A and 4B are conducted in Spanish. Students concentrate on conversational skills through contemporary readings, study of Latino culture, and the review of previous material. Students will study and discuss Spanish speaking cultures using the Spanish language. Parts A and B constitute one full credit of Spanish 4. Students must register for both A and B classes. Students must pass Spanish 4A in order to continue on to Spanish 4B.

World Languages

ASL1021 (American Sign Language 1)	CE-ASL 1021

Prerequisite: See Multiple Measures

Exposes the student to American Sign Language. Readiness activities are conducted focusing on visual/receptive skills and basic communication. Utilizes the direct experience method. This course is offered via Concurrent Enrollment and will likely include students from Palmer Ridge High School. The location in which this course is offered will alternate between LPHS and PRHS. Students will need to secure their own transportation if necessary.

ASL1022 (American Sign Language II)	CE-ASL 1022

Prerequisite: See Multiple Measures

Develops a basic syntactic knowledge of American Sign Language (ASL), basic vocabulary, and basic conversational skills. Incorporates vital aspects of deaf culture and community. The direct experience method is used to enhance the learning process.
This course is offered via Concurrent Enrollment and will likely include students from Palmer Ridge High School. The location in which this course is offered will alternate between LPHS and PRHS. Students will need to secure their own transportation if necessary.

Biomedical Science Pathway Courses

Course No.	Course Title	Grade Level(s)				# Semesters	Pre-Req	NCAA Approved	Weighted Grade	College Credit ?	Cost	Entry Level	Credit Type
		9	10	11	12								
31022 (A), 31023 (B)	PLTW: Principles of Biomedical Sciences I & II	*	*	*		2	X	X		X	X		Sci
31024 (A), 31025 (B)	PLTW: Human Body Systems		*	*	*	2	X	X		X	X		Sci
31026 (A), 31027 (B)	PLTW: Medical Interventions			*	*	2	X	X		X	X		Sci
31028 (A), 31029 (B)	PLTW: Biomedical Innovations			*	*	2	X	X		X	X		Sci

About the Biomedical Science Pathway

Biomedical science combines fields of biology and medicine in order to focus on the health of animals and humans. The LPHS Biomedical program is a Project Lead the Way curriculum that empowers students to work with real-world medical problems—the same ones facing professionals in hospitals and labs. Students engage in hands-on activities and team up to find solutions to promote health in humans and animals.

Strengths & Interests

- Conducting experiments
- Doing math and science
- Figuring out how things work
- Helping people
- Inventing
- Making decisions
- Researching
- Solving problems
- Studying animals, plants, and people
- Thinking logically
- Using facts

Related Careers

- Biomedical equipment designer
- Immunologist
- Dental assistant
- Endocrinologist
- Medical doctor
- Physiologist
- Nurse
- Research assistant

PLTW: Principles of Biomedical Sciences	31022 (A) 31023 (B)

Prerequisite: Minimum grade of C in Biology or concurrent enrollment in Biology

In this course, students explore concepts of biology and medicine as they take on roles of different medical professionals to solve real-world problems. Over the course of the year, students are challenged in various scenarios including investigating a crime scene to solve a mystery, diagnosing and proposing treatment to patients in a family medical practice, to tracking down and containing medical outbreak at a local hospital, stabilizing a patient during an emergency, and collaborating with others to design solutions to local and global medical problems.

A fee of $25.00 will be charged for this course.

PLTW: Human Body Systems	31024 (A) 31025 (B)

Prerequisite: Completion of PLTW Principles of Biomedical Sciences with a grade of "B" or better or concurrent enrollment in PLTW Principles of Biomedical Sciences

In the Human Body Systems (HBS) course, students examine the interactions of body systems as they explore identity, communication, power movement, 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.

A fee of $25.00 will be charged for this course.

PLTW: Medical Interventions	31026 (A) 31027 (B)

Prerequisite: Completion of PLTW Human Body Systems with a grade of "C" or better

Medical Interventions (MI) allows students to investigate the variety of interventions involved in the prevention, diagnosis, and treatment of disease as they follow the lives of a fictitious family. A "How-To" manual for maintaining overall health and homeostasis in the body, the course will explore how to prevent and fight infection, how to screen and evaluate the code in our DNA, how to prevent, diagnose, and treat cancer and how to prevail when the organs of the body begin to fail. Through these scenarios students will be exposed to a wide range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. Each family case scenario will introduce multiple types of interventions, reinforce concepts learned in the previous two courses, and present new content. Interventions may range from simple diagnostic tests to treatment of complex diseases and disorders. These interventions will be showcased across generations of the family and will provide a look at the past, present, and future of biomedical science. Lifestyle choices and preventative measures are emphasized throughout the course as well as the important role that scientific thinking and engineering design play in the development of interventions of the future.

A fee of $25.00 will be charged for this course.

PLTW: Biomedical Innovations	31028 (A) 31029 (B)

Prerequisite: Completion of PLTW Medical Interventions with a grade of "B" or better or concurrent enrollment in PLTW MI (requires instructor approval)

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. They have the opportunity to work on an independent project and may work with a mentor or advisor from a university, hospital, physician's office, or industry. Throughout the course, students are expected to present their work to an adult audience that may include representatives from the local business and healthcare community.

A fee of $25.00 will be charged for this course.

Business & Marketing Pathway Courses

Course No.	Course Title	Grade Level(s)				# Semesters	Pre-Req	NCAA Approved	Weighted Grade	College Credit ?	Cost	Entry Level	Credit Type
		9	10	11	12								
30306 (A), 30307 (B)	Fundamentals of Accounting		*	*	*	2					X	X	Elective
30301	Introduction to Business	*	*			1						X	Elective
30312	Personal Finance**		*	*	*	1					X	X	Elective
30315 (A), 30316 (B)	Principles of Marketing		*	*	*	2						X	Elective
30313 (A)	Principles of Management			*	*	1 of 2	X						Elective
30314 (B)	Intro to Entrepreneurship			*	*	2 of 2	X						Elective
30337	Social Media for Business			*	*	1							Elective
30338	Digital Marketing			*	*	1							Elective
30339	Project Mgmt in Organizations			*	*	1							Elective
30319	Leadership			*	*	1	X				X		Elective
34641	CTE Capstone				*	1	X						

*Universities may consider Fundamentals of Accounting as a fourth math credit for students who have completed Algebra 2 or Algebra 2/Trigonometry.
**This course fulfills the LPHS Financial Literacy graduation requirement.

About the Business & Marketing Pathway

The business and marketing pathway connects students to the fundamentals of efficient and productive business operations. Courses help students learn what it takes to own and operate a business as well as to create advertising campaigns in order to promote a business.

Strengths & Interests

- Analyzing data and numbers
- Communicating with others
- Generating ideas
- Influencing & negotiating
- Leading
- Managing projects
- Organizing
- Planning and Strategizing
- Working toward goals

Related Careers

- Accountant
- Small business owner
- Brand manager
- Operations manager
- Sales manager
- Financial advisor

Fundamentals of Accounting	**30306 (A)** **30307 (B)**

Prerequisite: None

Fundamentals of Accounting introduces accounting fundamentals with emphasis on the procedures and practices used in business organizations. Major topics include the accounting cycle for service and merchandising companies, including end-of-period reporting.

A fee of $30.00 per semester will be charged for this course.

Leadership	30319

Prerequisite: Prin. of Marketing & Management

Leadership focuses on the leadership skills of contemporary organizations. This course covers the development and communication of a shared vision to motivate and empower employees to manage conflict, to negotiate, and to develop teams. Students will utilize tools such as Strength Finders to evaluate personal leadership strengths and develop a growth plan. Students who enroll in Leadership should also enroll in the Capstone course. Students whose parents or guardians do not provide permission for access to the school district network are discouraged from taking this course.

A fee of $35.00 will be charged for this course.

Introduction to Business	**30301**

Prerequisite: None

Introduction to Business is an introduction to the world of business and a preparation for the economic roles of a consumer, worker, and citizen. It serves as a background for other business courses elected in high school and in college. This course will provide the student with an integrated view and appreciation of the business world as well as introduce the student to business terminology and business concepts. It will introduce basic principles and problems in business and promote an interest in business as a career. Studies include organization, administration, production, labor and personnel, accounting, marketing, finance, and the relationship of business to society.

Personal Finance	**30312**

Prerequisite: Basic word processing preferred

In Personal Finance students learn the financial concepts essential for survival in everyday life. Course topics include credit and credit cards, budgeting, saving and borrowing money, checking accounts, income tax, wise use of insurance, investing in the stock market, buying/renting a home, identity theft, and purchasing/ financing a car. Students participate in an online stock market simulation to test their aptitude for investing. This course meets the Colorado Financial Literacy Standards requirement and LPSD Financial Literacy Graduation requirement. PPCC Course Credit: FIN 106 Consumer Economics. This course fulfills the LPHS financial literacy graduation requirement.

A fee of $25.00 will be charged for this course.

Principles of Marketing	**30315 (A)** **30316 (B)**

Prerequisite: None

Presents the analysis of theoretical marketing processes and the strategies of product development, pricing, promotion and distribution, and their applications to businesses and the individual consumer.

Principles of Management	**30313**

Prerequisite: Principles of Marketing

Principles of Management provides an overview of project management. An emphasis is placed on the primary functions of planning, organizing, staffing, leading and controlling with a balance between the behavioral and operational approaches.

· Principles of Management is the first semester of a yearlong class. Students who enroll in Principles of Management should also enroll in Intro to Entrepreneurship.

· Students in Principles of Management will be participating in DECA (Distributive Education Clubs of America).

Intro to Entrepreneurship	30314

Prerequisite: Principles of Management

Explores the business skills, personality traits, and commitment necessary to successfully plan, launch, and grow an entrepreneurial venture. This course will cover the challenges and rewards of entrepreneurship. This course will cover the role of entrepreneurial businesses in the United States and the world and their impact on our national and global economy.

· Intro to Entrepreneurship is the second semester of a yearlong class. Students who enroll in Intro to Entrepreneurship should also enroll in Principles of Management.

· Students in Intro to Entrepreneurship will be participating in DECA (Distributive Education Clubs of America).

Social Media for Business	30337

Prerequisite: None

Social media for business teaches students how to use social media as a bonus strategy and covers how to match that strategy with the goals of the business. This course addresses current trends, ethics, regulations, legal challenges, strategy content development, and change management. This course helps students develop a better understanding of how marketing with social media is similar to and different from traditional marketing and how to best use online methods to further business goals.

Digital Marketing	30338

Prerequisite: None

This course explores the digital marketing environment from both a consumer and business perspective. This course provides an overview of various online business models and delves into digital advertising and social media marketing techniques and technologies. This course applies research and strategic marketing techniques in the digital marketplace to improve customer relationship management.

Project Management in Organizations	30339

Prerequisite: None

This course investigates the concepts and applicability of project management within organizations. It examines the unique nature of the project management structure including its emphasis on integrated decision making throughout a life cycle of a product from the planning, implementing, monitoring, and controlling phases. Emphasis is on the processes of initiating, planning, executing, controlling and closing activities of project management.

CTE Capstone	31641

Prerequisite: Teacher Approval

CTE Capstone allows for individualized, advanced, and/or cumulative work in a program of study. This work is individualized to the student within a specific program of study. It may include problem-/project-based learning or preparation for industry certification. The specific content and course design is determined by the instructor, in collaboration with the individual student. Students whose parents or guardians do not provide permission for access to the school district network are discouraged from taking this course.
Instructor approval is required to enroll in this course.

Computer Science Pathway Courses

Course No.	Course Title	Grade Level(s)				# Semesters	Pre-Req	NCAA Approved	Weighted Grade	College Credit ?	Cost	Entry Level	Credit Type
		9	10	11	12								
31622 (A), 31623 (B)	AP Computer Science A		*	*	*	2	X		X				Elective
31628 (A), 31629 (B)	AP Computer Science Principles		*	*	*	2	X		X			X	Elective
31650 (A) 31651 (B)	PLTW Computer Science Essentials	*	*	*	*	2					X	X	Elective
31633 (A) 31634 (B)	PLTW Cyber Security A & B (at PRHS)		*	*	*	2	X				X	X	Elective
31641	CTE Capstone				*	1	X						Elective

Strengths & Interests

- Analyzing problems
- Focusing on details
- Innovating
- Making logical arguments
- Persevering
- Planning
- Presenting solutions
- Thinking critically
- Working under pressure

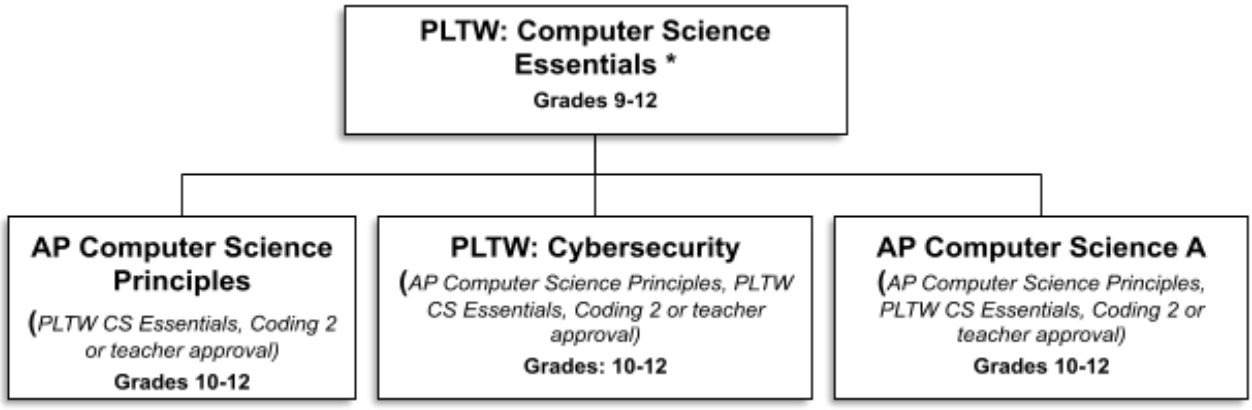
About the Computer Science Pathway

For today's learner and worker, computer science is a literacy—much like reading and writing—that is an important part of participating in our increasingly technological world. In this program, students learn programming languages and apply computational thinking to design solutions and build applications that solve problems.

Related Careers

- Computer Programmer
- Cybersecurity Specialist
- Database Administrator
- Data Scientist
- Game Designer
- Systems Analyst
- Web Developer

Computer Science Pathway Courses



Level 1

PLTW Computer Science Essentials A	31650

Prerequisite: None

On-level/dual credit PLTW CS Essentials is designed as a "first course" in coding with no prior programming experience necessary. Students will use IT App Inventor for block coding and CodeHS for Python text-based coding to practice fundamental skills of programming such as understanding and using variables, iteration, decision making, code tracing, problem analysis, construction of algorithms, and computer implementation of algorithms as they work on programming projects of increased complexity. Course content is reinforced through regular PLTW and CodeHS assignments with an emphasis on programming in student pairs. This course sufficiently prepares students for PLTW CS Essentials (B) and is industry certification and UCCS dual credit options, as well as AP Computer Science Principles in Python. Some students may be prepared to continue on to AP Computer Science A in Java with teacher approval.

PLTW Computer Science Essentials B	31651

Prerequisite: PLTW Computer Science Essentials (A)

In this on level/dual credit course, students will build upon the foundations of PLTW Computer Science Essentials (A) in applying the skills learned to build more complex programs in the Python programming language after working in VEXcode on the PLTW Self Driving Vehicles (SDVs). Topics covered include requirements gathering, flowchart diagrams, and iterative development all of which is reinforced through numerous short- and long-term programming projects, accomplished both individually and in student pairs. These projects are meant to hone the discipline and logical thinking skills necessary to create error-free syntax for the writing and testing of programs. Additionally, students will learn software engineering techniques to run a given open-ended problem into a final program where students will develop key skills of discernment and judgment as they can program in Python or choose another programming language using various development environments and strategies for the program lifecycle. Upon completion of this course, proficient students will demonstrate a foundational understanding object-oriented programming (OOP) using the Python programming language. Students will work toward the Python Institute's entry-level PCEP industry certification with certification funded for those who are reasonably prepared. If taken following completion of PLTW Computer Science Essentials A, optional PLTW dual credit through UCCS as ENGR 1512 or (CS2010) is available at a cost of $300 with the dual credit decision made in April. Students will be very well prepared for AP Computer Science Principles in Python. Most students will also be prepared to continue on to AP Computer Science A in Java with teacher approval.

A fee may be charged for this course - TBD

PLTW CS Cybersecurity A & B	31633 (A) 31634 (B)

Prerequisite: AP Computer Science Principles, PLTW CS Essentials, Coding 2, or teacher approval

Honors/dual credit PLTW Cybersecurity introduces the tools and concepts of cybersecurity and encourages students to create solutions that allow people to share computing resources while protecting privacy. Nationally, computational resources are vulnerable and frequently attacked, in Cybersecurity, students solve problems by understanding and closing these vulnerabilities. This course raises students' knowledge of and commitment to ethical computing behavior. It also aims to develop students' skills as consumers, friends, citizens and employees who can effectively contribute to communities with a dependable cyber-infrastructure that moves and processes information safely. Optional PLTW dual credit through UCCS as ENGR 1513 or (CS 2910) is available at a cost of $300 with the dual-credit decision made in April. It is recommended that students first complete PLTW CS Essentials (A), (A/B), or an Engineering course. Students will work toward Certiport's IT Specialist: network Security industry certification with certification funded for those who are reasonably prepared.Comp TIA's general-IT Tech+ preparation and certification may also be an option. This course may be combined with a section at Palmer Ridge High School.

A fee of $50.00 will be charged each semester.

Level 2

AP Computer Science Principles	31628 (A) 31629 (B)

Prerequisite: Minimum Grade of B in Algebra 1

The Advanced Placement (AP) program in Computer Science is under the direction of the College Examination Board. AP Computer Science Principles is a two-semester course that is equivalent to a one-semester computer science college course. It introduces students to foundational concepts in computer science such as programming, creative development, computer systems, networks, and technology's impact on society. Contrasted with AP Computer Science A, this course is taught in Python and covers a greater breadth of topics at a bit lower depth and thus does not require any prior programming knowledge. However, PLTW Computer Science Essentials (A) or (A/B) may be a more gentle starting point for some students, with a number of additional benefits along the pathway. The materials used for this class will be AP Computer Science approved.This course is designed to prepare students to take the AP Computer Science Principles exam in May and includes optional PLTW dual credit through UCCS as ENGR 1509 or (CS1120) at a cost of $300 with the dual-credit decision made in April. Students will also work toward Certiport's IT Specialist: Python or the Python Institute's associate-level PCAP industry certification with certification funded for those who are reasonably prepared.

Level 3

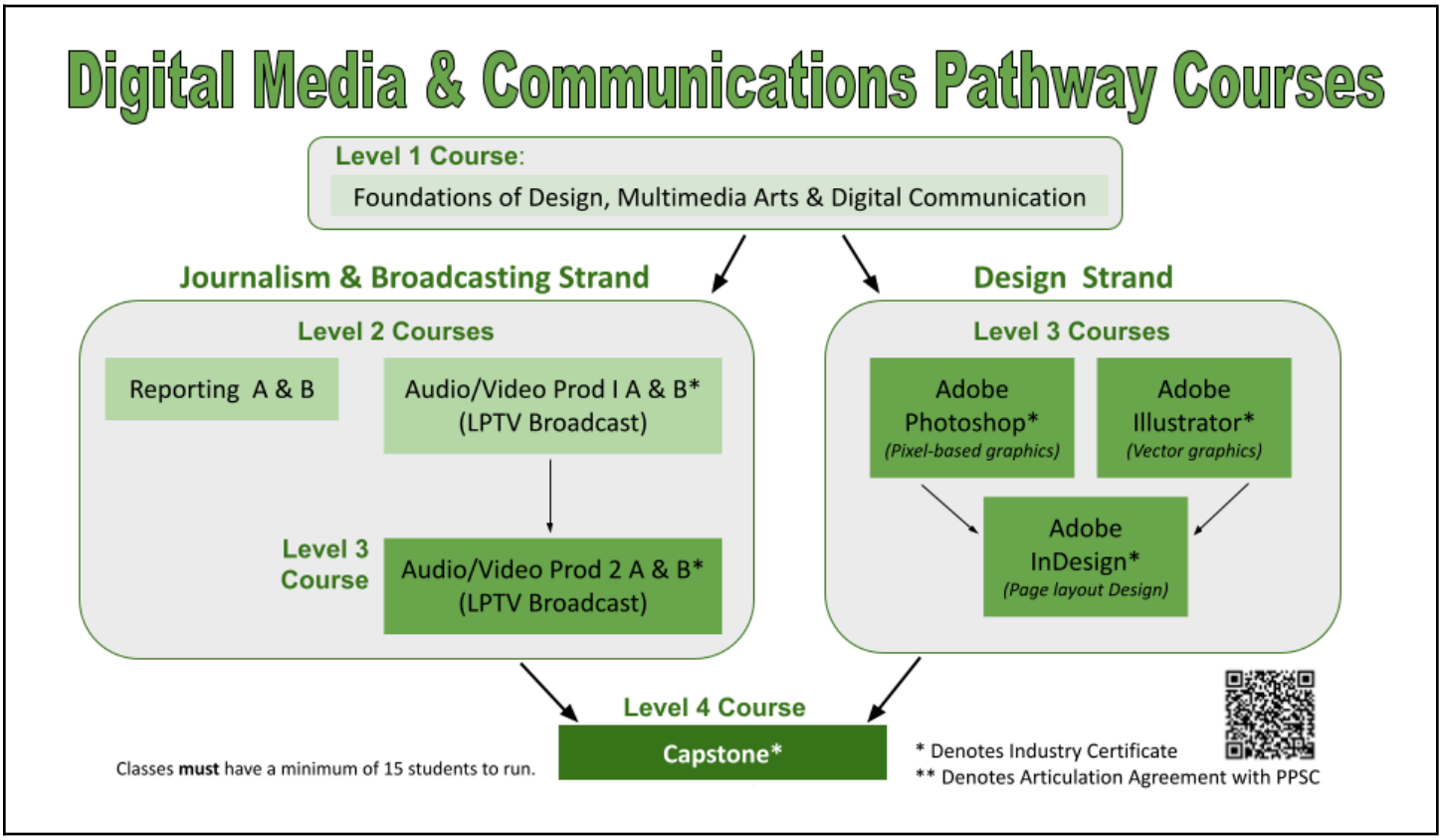
AP Computer Science A	31622 (A) 31623 (B)

Prerequisite: AP Computer Science principles (A), PLTW CS Essentials (A), Coding 2 (A) or teacher approval

The Advanced Placement (AP) program in Computer Science is under the direction of the College Examination Board. AP Computer Science A is a two-semester Java Programming course that is equivalent to a one-semester computer science college course. Students will build upon the foundations of computer programming from Coding II (A) emphasizing object -oriented programming and development using Java. Concepts to be covered include: Object-Oriented Programming (OOP), writing classes, iteration, decision making, and arrays. Contrasting with AP Computer Science Principles, this course focuses more on the rigors and depths of programming. The materials used for this class will be AP Computer Science approved. This course is designed to prepare students to take the AP Computer Science A exam in May and can serve as a fourth math credit for students who have completed Algebra 2 or Algebra 2/Trigonometry. Students may be responsible for purchasing AP texts. Students must obtain written permission from the AP instructor before dropping an AP course.

Digital Media & Communications Pathway Courses

Course No.	Course Title	Grade Level(s)				# Semesters	Pre-Req	NCAA Approved	Weighted Grade	College Credit ?	Cost	Course Level	Credit Type
		9	10	11	12								
LEVEL 1 Courses													
30303	Intro to PC Applications	*	*	*	*	1					X	1	Elective
30563	Foundations of Design, Multimedia Arts & Digital Communications	*	*	*	*	1						1	LA Elective
LEVEL 2 Courses													
31639 (A) 31642 (B)	Reporting A & B		*	*	*	2						2	LA Elective
31616 (A) 31630 (B)	Audio/Video Production 1 A & B		*	*	*	2					X	2	Elective
LEVEL 3 Courses													
31634	Adobe Photoshop	*	*	*	*	1					X	3	Elective
31649	Adobe Illustrator	*	*	*	*	1					X	3	Elective
31635	Adobe InDesign		*	*	*	1	X				X	3	Elective
31614 (A) 31615 (B)	Audio/Video Production 2 A & B (LPTV Broadcast)			*	*	2	X				X	3	Elective
LEVEL 4 Course													
31641	CTE Capstone			*	*	1 or 2	X					4	Elective



Level 1 Courses			
Foundations of Design, Multimedia Arts & Digital Communications	30563	Introduction to PC Applications	30303

Prerequisite: None

This is a semester survey course for students to explore visual communication through various creative design projects using digital photography, photo editing (Adobe Photoshop), vector drawings (Adobe Illustrator), and design principles (Google Slides) and video editing (Adobe Premiere Pro).
Students are introduced to the variety of programs and occupations in the arts, audio/visual technology and communication systems. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in this cluster and knowledge, skills, and educational requirements for those opportunities.

Students may earn a .5 English elective credit for successful completion of this course.

Prerequisite: Basic word processing preferred

No prior computer experience is necessary for this course. The class is designed for students to learn several of the basic computer tools that will help them in high school and later on. Students will utilize the many capabilities of word processing, spreadsheet, and presentation applications to work more efficiently and effectively. This course reviews touch-typing skills and introduces computer concepts of the Microsoft Office Suite. Included are descriptions of hands-on experiences with word processors, spreadsheets, presentation software, and operating environments.

A fee of $35.00 will be charged for this course.

Level 2			
Audio/Video Production 1 A & B	**31616 (A)** **31630 (B)**	**Reporting A & B**	**31639 (A)** **31640 (B)**

Prerequisite: None

This year-long course explores the Audio and Video production industry and its post-secondary educational and career opportunities. Students will gain job-specific training for entry level employment in audio, video, television, and motion picture careers. Professional grade equipment and software will be used in the creation of student lead video productions. Students will be involved in every aspect of several class and small group audio, video, and film style production projects with emphasis on TV studio broadcasting and news production projects. Some of the course competencies and outline follow those set out by the Adobe Certified Associate exam in Digital Video Using Adobe Premiere Pro, which students will take at the end of the course. Students should register for both A and B classes.

A fee of $35 will be charged for each semester of this course.

Prerequisite: None

In this year-long course, students will be introduced to the journalism industry and storytelling, both written and visual formats. They will also be introduced to the variety of programs and occupations in audio/video technology, communication and media systems. Students will demonstrate an understanding of how to gather information that may be published in print or online media. Instruction will be paired with hands-on lab experiences in community reporting, both verbal and visual. Students may earn a .5 English elective credit for successful semester completion of this course. Students should register for both A and B classes.

Level 3 Courses			
Audio/Video Production 2 A & B **LPTV Broadcast**	**31614 (A)** **31615 (B)**	**Adobe Photoshop**	**31634**

Prerequisite: Audio/Video Production 1 A & B

This year-long course explores the Audio and Video production industry and its post-secondary educational and career opportunities. Students will gain job-specific training for entry level employment in audio, video, television, and motion picture careers. Professional grade equipment and software will be used in the creation of student lead LPTV broadcast productions. Students will be involved in every aspect of several class and small group audio, video, and film style production projects with emphasis on TV studio broadcasting and news production projects. Some of the course competencies and outline follow those set out by the Adobe Certified Associate exam in Digital Video Using Adobe Premiere Pro or Visual Effects and Motion Graphics using Adobe After Effects, which students will take at the end of the course.
Students should register for both A and B classes.

A fee of $35 will be charged for each semester of this course.

Prerequisite: None

This course concentrates on the high-end capabilities of Adobe Photoshop as an illustration, design and photo retouching tool. Students explore a wide range of selection and manipulation techniques that can be applied to photos, graphics, and videos. The course competencies and outline follow those set out by the Adobe Certified Associate exam in Visual Design using Adobe Photoshop, which students will take at the end of the semester.

A fee of $35.00 will be charged for this course.

Adobe Illustrator	31649

Prerequisite: None

This course concentrates on the high-end capabilities of Adobe Illustrator as an illustration, design and vector drawing tool. Students learn how to use the tools to create digital artwork that can be used in web design, print media, and digital screen design. The course competencies and outline follow those set out by the Adobe Certified Associate exam in Graphic Design & Illustration using Adobe Illustrator, which students will take at the end of the semester.

A fee of $35.00 will be charged for this course.

Adobe InDesign	31635

Prerequisite: Successful completion of Adobe Photoshop and/or Adobe Illustrator

This course introduces students to InDesign, a page layout program which integrates seamlessly with other Adobe design programs. InDesign delivers creative freedom and productivity to DTP. Class discussions and independent projects supplement hands-on classroom work. The course competencies and outline follow those set out by the Adobe Certified Associate exam in Print & Digital Media Publication using Adobe InDesign, which students will take at the end of the semester.

A fee of $35.00 will be charged for this course.

Level 4 Course

CTE Capstone	31641

Prerequisite: Teacher Approval

CTE Capstone allows for individualized, advanced, and/or cumulative work in a program of study. This work is individualized to the student within a specific program of study. It may include problem-/project-based learning or preparation for industry certification. The specific content and course design is determined by the instructor, in collaboration with the individual student. Students whose parents or guardians do not provide permission for access to the school district network are discouraged from taking this course.
Instructor approval is required to enroll in this course.

Education Pathway Courses

Course No.	Course Title	Grade Level(s)				Course Length (in semesters)	Requirement /Recommendation	NCAA Approved	Weighted Grade Option	College Credit Option	Associated Cost	Entry Level	Credit Type
		9	10	11	12								
HS115 (S1), HS116 (S2)	Educational Field Experience (EFE/LPHS EFE)			*	*	1	X						Elective
HS117 (S1), HS118 (S2)	Exceptional Student Services Educational Field Experience			*	*	1	X						Elective

About the Education Pathway

Apply skills and techniques to help others learn. Meet the challenges of developing curriculum and assessments as you learn about the educational system. Apply instructional strategies and learn about managing classrooms and meeting the needs of students.

Strengths & Interests

- Collaborating
- Helping and relating to others
- Generating ideas
- Multi-tasking
- Organizing information
- Reading, Writing, Speaking
- Taking initiative

Related Careers

- Curriculum Designer
- Instructional Designer
- K-12 teacher
- School Counselor
- Social Worker

Educational Field Experience (EFE) — HS115 (A) HS116 (B)

Prerequisite: Counselor consultation and approval

This course is designed for students interested in a teaching career. They can work with elementary, middle school or high school aged students. Students must have available transportation and plan to be with the supervising teacher for one full class period each day. Supervising teachers are coordinated through Student Services. LPHS EFEs will work with students on a specific subject area class at LPHS. EFE is an ideal experience for upperclassmen who may want to enter the teaching profession.

Exceptional Student Services Educational Field Experience — HS117 (S1) HS118 (S2)

Prerequisite: Counselor consultation & approval

This course is designed for students who are considering teaching as a career, or who enjoy working with other students in a teaching/learning environment. Students will be expected to work individually with moderate to severe needs students in a variety of situations: resource room, regular classes, or on/off campus work sites.

Engineering Pathway Courses

Course No.	Course Title	Grade Level(s)				# Semesters	Pre-Req	NCAA Approved	Weighted Grade	College Credit ?	Cost	Entry Level	Credit Type
		9	10	11	12								
31015 (A), 31016 (B)	PLTW: Civil Engineering and Architecture**			*	*	1*	X			X	X		Elective
31009 (A), 31010 (B)	PLTW: Introduction to Engineering Design	*	*	*	*	2				X	X	X	Elective
31031 (A) 31032 (B)	PLTW: Engineering Design & Development**				*	1*	X			X	X		Elective
CIC-31036 (A) CIC-31037 (B)	Electronics Engineering & Manufacturing**			*	*	1*	X						Elective
31011 (A), 31012 (B)	PLTW: Principles of Engineering		*	*	*	2	X			X	X	X	Elective
31013 (A) 31014 (B)	PLTW: Aerospace Engineering**			*	*	1*	X			X	X		Elective
31641	CTE Capstone				*	1	X						Elective

* Indicates 1.0 credit in a double-blocked, one-semester section
** Indicates class will be taught at an off-site location - 1200 Synthes Avenue Monument CO 80132.

About the Engineering Pathway
Step into the role of an engineer, adopt a problem-solving mindset, and make the leap from dreamer to doer. This program' s courses engage students in compelling, real-world challenges that help them become better collaborators and thinkers. Students engage in the national Project Lead the Way engineering curriculum, which takes them through projects in engineering design, architecture, and aerospace.

Strengths & Interests

- Approaching problems logically
- Asking questions
- Innovating
- Investigating how things work
- Managing projects
- Planning
- Thinking critically
- Visualizing
- Working with patterns and numbers

PLTW: Aerospace Engineering A & B	31013 (A) 31014 (B)

Prerequisite: Algebra 2, suggested PLTW: IED and POE

This course is a project-based curriculum similar to all Project Lead the Way courses. Students in this course will employ engineering and scientific concepts to the solution of aerospace engineering problems. The entire curriculum sequence will include experiences from the diverse fields of Aeronautics, Aerospace Engineering, and related areas of study. Lessons will engage students in engineering design problems that can be accomplished in a high school setting related to aerospace information systems, astronautics rocketry, propulsion , the physics of space science, principles of aeronautics, structures and materials, and systems engineering. Course curriculum, activities and resources are exclusively web-based. Students whose parents or guardians do not provide permission for access to the school district network are discouraged from taking this course. This course will be double-blocked, occupying two adjacent block periods in a student's schedule, and will take place at the D38 Career & Innovation Center, located at 1200 Synthes Road, Monument, CO 80132; transportation will be provided for students who need it.

Course fee amount TBD.

PLTW: Civil Engineering and Architecture A & B	31015 (A) 31016 (B)

Prerequisite: Principles of Engineering recommended

Civil Engineering and Architecture (CEA) is a high school level specialization course in the PLTW Engineering Program. In CEA students are introduced to important aspects of building, site design and development. Students apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architectural design software. Utilizing the activity-project-problem-based (APB) teaching and learning pedagogy, students will progress from completing structured activities to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills. This course will be double-blocked, occupying two adjacent block periods in a student's schedule, and will take place at the D38 Career & Innovation Center, located at 1200 Synthes Road, Monument, CO 80132; transportation will be provided for students who need it.

A fee of $50 per semester will be charged for this course.

PLTW: Introduction to Engineering Design A & B	31009 (A) 31010 (B)

Prerequisite: Interest in math and science recommended

Introduction to Engineering Design is designed to introduce students to the STEM cluster for students interested in learning more about careers in engineering and technology. This course covers basic skills required for engineering and technology fields of study. Upon completion of this course, students are able to identify and explain the steps in the engineering design process. They can evaluate an existing engineering design, use fundamental sketching and engineering drawing techniques, complete simple design projects using the engineering design process, and effectively communicate design solutions to others. This course also covers 3D modeling programs and 3D printing techniques in depth.

A fee of $50.00 per semester will be charged for this course.

PLTW: Principles of Engineering A & B	31011 (A) 31012 (B)

Prerequisite: Introduction to Engineering Design recommended

Principles of Engineering and Technology is a fundamental course in the Engineering and Technology Program of Study for students interested in developing their skills in preparation for careers in engineering and technology. The course covers essential knowledge, skills and concepts required for postsecondary engineering and technology fields of study. Upon completion of this course, proficient students are able to describe various engineering disciplines. They will also be able to identify simple and complex machines, calculate various ratios related to mechanisms, explain fundamental concepts related to energy, understand Ohm's Law, follow the steps in the engineering design process to complete a team project, and effectively communicate design solutions to others.

A fee of $50.00 per semester will be charged for this course.

Electronics Engineering and Manufacturing	CIC-31036 (A), CIC-31037 (B)

Prerequisite: Introduction to Engineering recommended

This course introduces students to creating electronics prototypes for research or hobbies using low-cost tools and practical principles in a fun, hands-on way. Students will explore electronics design, CAD, soldering, assembly, testing, and failure analysis while building a working electronic device. Topics include resistance, capacitance, voltage, current, embedded circuits, soldering, thermal management, wiring, and testing, culminating in a capstone project.. This course will be double-blocked, occupying two adjacent block periods in a student's schedule, and will take place at the D38 Career & Innovation Center, located at 1200 Synthes Road, Monument, CO 80132; transportation will be provided for students who need it.

Course fee amount TBD.

PLTW: Engineering Design & Development	31031 (A), 31032 (B)

Prerequisite: Previous PLTW course and/or teacher approval

Engineering Design and Development (EDD) is the capstone course in the PLTW high school engineering program. It is an open-ended engineering research course in which students work in teams to design and develop an original solution to a well-defined and justified open-ended problem by applying an engineering design process. Students will perform research to select, define, and justify a problem. After carefully defining the design requirements and creating multiple solution approaches, teams of students select an approach, create, and test their solution prototype. Student teams will present and defend their original solution to an outside panel. While progressing through the engineering design process, students will work closely with experts and will continually hone their organizational, communication and interpersonal skills, their creative and problem solving abilities, and their understanding of the design process. Since the projects on which students work can vary with student interest and the curriculum focuses on problem solving, EDD is appropriate for students who are interested in any technical career path. EDD should be taken as the final capstone PLTW course since it requires application of the knowledge and skills introduced during the PLTW foundation courses. This course will be double-blocked, occupying two adjacent block periods in a student's schedule, and will take place at the D38 Career & Innovation Center, located at 1200 Synthes Road, Monument, CO 80132; transportation will be provided for students who need it.

Course fee amount TBD.

CTE Capstone	**31641**

Prerequisite: Teacher Approval

CTE Capstone allows for individualized, advanced, and/or cumulative work in a program of study. This work is individualized to the student within a specific program of study. It may include problem-/project-based learning or preparation for industry certification. The specific content and course design is determined by the instructor, in collaboration with the individual student. Students whose parents or guardians do not provide permission for access to the school district network are discouraged from taking this course.
Instructor approval is required to enroll in this course.

Industrial Design & Construction Pathway Courses

Course No.	Course Title	Grade Level(s)				# Semesters	Pre-Req	NCAA Approved	Weighted Grade	College Credit ?	Cost	Entry Level	Credit Type
		9	10	11	12								
31003	Woodworking Technology A	*	*	*	*	1					X	X	Elective
31030	Woodworking Technology B	*	*	*	*	1	X				X		Elective
31153	Carpentry Technology I A & B	*	*	*	*	2					X	X	Elective
31154	Carpentry Technology II A & B		*	*	*	2	X				X		Elective
31033	Intro to Interior Design	*	*	*	*	1					X	X	Elective
CIC-31046 (A), CIC-31047 (B)	Introduction to Welding**			*	*	1*	X				X		Elective
CIC-31048 (A), CIC-31049 (B)	Welding Technology 1 A & B**			*	*	1*	X				X		Elective
31641	CTE Capstone**			*	*	1*	X						Elective

*Indicates 1.0 credit in a double-blocked, one-semester section
** Indicates class will be taught at an off-site location - 1200 Synthes Avenue Monument CO 80132.

About the Industrial Design & Construction Pathway
Engage in hands-on experience building start-to-finish products while developing relevant skills in construction trades to include woodworking and welding. Build projects for yourself, your family, and your friends. Or, see what you've built—whether a bench, greenhouse, chicken coup, or an actual home—be sold or donated to community members.

Strengths & Interests

- Building things
- Contributing to a team
- Managing projects
- Solving puzzles
- Visualizing
- Working with machines
- Working with your hands

Related Careers

- Carpenter
- Construction manager
- Industrial Designer
- Structural engineer
- Welder

- Students may not take both Woodworking and Carpentry in the same semester.
- Industrial Design & Construction Courses may not be repeated.

Carpentry Technology I A & B	31153 (A) 31154 (B)

Prerequisite: None

Carpentry Technology prepares students for careers in residential and commercial carpentry. Students will be able to frame floors, walls, ceilings, roofs, and stairs while safely employing tools and interpreting construction drawings to complete projects. Emphasis is placed on demonstrating proper measurement and application of mathematical concepts. Students gain an understanding of wood grades, construction methods and skills such as laying sills and joists; erecting sills and rafters; applying sheathing, siding, and shingles; setting door jambs; and hanging doors. Carpentry courses may teach skills for rough construction, finish work, or both. Students learn to read blueprints, draft, use tools and machines properly and safely, erect buildings from construction lumber, perform finish work inside of buildings, and do limited cabinet work. Carpentry courses may also include career exploration, good work habits, and employability skills.

A fee of $50.00 per semester will be charged for this course.

Carpentry Technology II A & B	31155 (A) 31156 (B)

Prerequisite: Carpentry Technology I A & B

This course of the Carpentry program will focus on stairs, residential and commercial drawings, heavy steel framing, thermal or moisture barriers, steel stud framing, drywall installation and finishing, suspended ceilings, window, door and cabinet installation. Throughout the course, students will interpret construction drawings to complete projects, implementing material estimating procedures and safe working practices. Standards in this course also expand on principles of the construction industry and delve into business and project management strategies.

A fee of $50.00 per semester will be charged for this course.

Woodworking Technologies A	31003

Prerequisite: None

This course provides an overview of the planning, design, layout, and technical drawing interpretation for practical use in woodworking, cabinetmaking, and mill working. Different cabinet and furniture styles used, various wood products and materials, and proper tool selection may be covered. Students will be introduced to the different construction processes in the cabinetmaking, furniture making, and millwork industries. Students will learn about measurement, layout, shop drawings and cutting lists. They will gain a basic understanding of the various kinds of materials used in the industry. Students will learn to use selected woodworking tools and machinery. Correct and safe use of tools and equipment is emphasized. The construction of several projects will develop student's woodworking skills.

Students are responsible for expendable costs for this course of approximately $75.

Woodworking Technologies B	31030

Prerequisite: Woodworking Technologies A

Advanced Woodworking Technologies provides students the opportunity to study and work on woodworking projects that require applying first level skills and experimenting with difficult woodworking processes. Students must have completed a high school woodworking class that used all power tools prior to taking Advanced Woodworking. All power tool safety will be thoroughly covered. The design and project that students select to construct must be approved by the instructor. Wood may be purchased through the school or privately.

A student incurs all expendable material fees, including a $75.00 fee to cover supplies and pen kit.

Introduction to Welding (A & B)	CIC-31046 (A) CIC-31047 (B)

Prerequisite: Previous Skilled Trades course recommended.

This introductory welding class teaches students the basics of Oxy-Acetylene welding and cutting. Wire Feed/Mig welding, SWAW (stick arc welding) and Plasma cutting. It also covers the general and welding safety as well as general metal working procedures. This course will be double-blocked, occupying two adjacent block periods in a student's schedule, and will take place at the D38 Career & Innovation Center, located at 1200 Synthes Road, Monument, CO 80132; transportation will be provided for students who need it.

Course fee amount TBD.

Welding Technology I (A & B)	CIC-31048 (A), CIC-31049 (B)

Prerequisite: Introduction to Welding (A & B)

Welding Technology provides the foundational understanding of welding and welding processes. In this course students will learn industry based safety standards and become familiar with the following welding processes; Oxyacetylene welding and torch cutting, plasma cutting, and ARC welding. Students will become familiar with basic blueprint reading, weld symbols, welding-related math, and measurement. As their skill level is developed, small projects will be introduced throughout the year. This course will be double-blocked, occupying two adjacent block periods in a student's schedule, and will take place at the D38 Career & Innovation Center, located at 1200 Synthes Road, Monument, CO 80132; transportation will be provided for students who need it.
Course fee amount TBD.

Intro to Interior Design	31033

Prerequisite: None

The purpose of this course is to expose students to various aspects of interior design. The focus of the course will be on the basic elements and principles of interior design. The course will focus on color, space planning, floor plans, furniture style, and architecture. This course will allow students to explore the design process.

CTE Capstone	31156

Prerequisite: Previous Skilled Trades Course and teacher approval required.

CTE Capstone allows for individualized, advanced, and/or cumulative work in a program of study. This work is individualized to the student within a specific program of study. It may include problem-/project-based learning or preparation for industry certification. The specific content and course design is determined by the instructor, in collaboration with the individual student. Students whose parents or guardians do not provide permission for access to the school district network are discouraged from taking this course. The CTE Capstone course within the Skilled Trades program is responsible for the homebuild. This course will be double-blocked, occupying two adjacent block periods in a student's schedule, and will take place at the D38 Career & Innovation Center, located at 1200 Synthes Road, Monument, CO 80132; transportation will be provided for students who need it.

Performing Arts Pathway Courses

Course No.	Course Title	Grade Level(s)				# Semesters	Pre-Req	NCAA Approved	Weighted Grade	College Credit ?	Cost	Entry Level	Credit Type
		9	10	11	12								
Instrumental Music													
31207 (A), 31208 (B)	Band 1 (Wind Symphony)	*	*	*	*	2	X				X		Elective
31205 (A), 31206 (B)	Band 2 (Symphonic Band)	*	*	*	*	2	X				X	X	Elective
31211 (A), 31212 (B)	Jazz Band 1	*	*	*	*	2	X				X		Elective
Pop Music Pathway													
31230	Advanced Guitar	*	*	*	*	1					X		Elective
31229	Beginning Guitar	*	*	*	*						X	X	Elective
31233	History of Rock & Pop Music	*	*	*	*							X	Elective
31232	Recording & Songwriting	*	*	*	*	1					X		Elective
Theatre Pathways													
32004 (A), 32005 (B)	Acting 1	*	*	*	*	2	X						Elective
32009	Improvisation		*	*	*	1	X						Elective
32001	Introduction to Theatre	*	*	*	*	1						X	Elective
32015 (A), 32025 (B)	Senior Practicum			*	*	2	X						Elective
32003 (S1) 32016 (S2)	Theatre Technology	*	*	*	*	1						X	Elective
Vocal Music Pathway													
31213 (A), 31214 (B)	Mixed Choir	*	*	*	*	2					X	X	Elective
31217 (A), 31218 (B)	Treble Voices		*	*	*	2	X				X		Elective

About the Performing Arts Pathway
Develop the skills and techniques for performing and entertaining in the areas of instrumental music, vocal music, and acting/theatre. While advancing skills, students will work together to rehearse and refine performances.

Strengths & Interests

- Listening to music
- Performing
- Playing an instrument
- Portraying emotion
- Recognizing rhythm
- Singing and/or dancing

Related Careers

- Actor
- Choreographer
- Director
- Music Teacher
- Musician
- Singer

Instrumental Music Pathway

Band 1 (Wind Symphony)	**31207 (A)** **31208 (B)**

Prerequisite: Teacher Recommendation / Audition

Band 1 (Wind Symphony) is an advanced instrumental ensemble and is made up of a select number of students based on a specific instrumentation. The literature performed by Band 1 is of the highest caliber and is more complex than the standard high school band literature. An audition is required, and students must register for and commit to both A and B classes.

A fee of $40.00 per semester will be charged for this course.

Band 2 (Symphonic Band)	**31205 (A)** **31206 (B)**

Prerequisite: Teacher Recommendation

Band 2 (Symphonic Band) is a non-audition performance ensemble. The literature performed by Band 2 is of high caliber and includes standard high school band literature. Students must register for and commit to both A and B classes.

A fee of $40.00 per semester will be charged for this course.

Jazz Band 1	**31211 (A)** **31212 (B)**

Prerequisite: All jazz band students must be concurrently enrolled in Band 1 or Band 2

The Jazz Band is a premier performing jazz ensemble. All students are exposed to a variety of jazz styles with special emphasis on swing, improvisation, and blues. This jazz band performs throughout the year. Audition is only necessary when needed based on instrumentation. Students must register for and commit to both A and B classes.

A fee of $40.00 per semester will be charged for this course.

Pop Music Pathway

Advanced Guitar	31230

Prerequisite: Adequate guitar experience: Beginning Guitar or previous instruction; requires instructor approval

This class will cover more advanced guitar techniques such as bar chords, finger picking, and improvisation. Course content will also be based on the needs and interests of the students.

A fee of $30.00 will be charged for this course.

Beginning Guitar	31229

Prerequisite: Students must have an adequate guitar or instructor approval

This class will cover basic beginning guitar technique, including basic technique, open chords and lead guitar skill development.

A fee of $30.00 will be charged for this course.

History of Rock & Pop Music	31233

Prerequisite: None

This course will cover the development and culture around popular music over the past 120 years. Genres covered include rock, punk, metal, heavy metal, R & B, hip-hop/rap, reggae and other styles over the past 100 years. Students will become familiar with the groups, music styles and movements that changed the direction of popular music. Students will listen to lots of examples, watch related videos and clips, and make connections between current pop music and the past. Students will learn how to hear music differently, how to discuss music, and how technology and business impact the music industry.

Recording & Songwriting	31232

Prerequisite: Students should have basic chording skills on piano, guitar, ukulele, or another accompaniment instrument. Students should also have some singing skills and an interest in songwriting

Students in this class will explore songwriting in popular music through analyzing elements of music, lyric writing techniques, and basic recording techniques.

A fee of $30.00 will be charged for this course.

Theatre Pathway

Acting 1	**32004 (A)** **32005 (B)**

Prerequisite: Introduction to Theatre or teacher approval

This course will continue to develop the techniques of acting. Emphasis will be placed on portraying emotions and developing a three-dimensional character. Acting work will be both improvisational and memorized script work. Students must register for both A and B classes.

Introduction to Theatre	**32001**

Prerequisite: None

This course will provide an overview of all aspects of theatre. One focus will be to study the history of theatre and its impact on today's society. This course also includes a study of the techniques of acting including: building the imagination, working on concentration, and developing a character. All acting work will be improvisational.

Theatre Technology	**32003 (S1)** **32016 (S2)**

Prerequisite: Recommend that participants be involved with an extracurricular theatre program

This class will provide an introduction to technical theatre concepts. This survey course will provide instruction in the basics of shop safety and procedures, scenic construction, scenic painting, lighting design and implementation, sound design and Implementation, and costuming and makeup. Students will work with designing and constructing the Fall Musical or Spring Play. This class is repeatable for elective credit. This class may meet the technology proficiency graduation requirement based on an individual basis and project.

Improvisation	**32009**

Prerequisite: Introduction to Theatre or teacher approval.

Through improvisation exercises, this class will develop and present improvisation shows for an audience. Exercises in class will focus on ensemble building techniques, vocal and physical techniques, and playwriting and characterization techniques. This is an advanced class for the serious performer. Repeatable class with instructor approval.

Senior Practicum	**32015 (A)** **32025 (B)**

Prerequisite: Acting 1 or teacher approval. Students must sign up for both semesters

The Senior Practicum class emphasis will be a continuation of acting skills and development of technical skills. The improvement will be facilitated through the use of script performance and directing. The students will continue to study various styles and historical periods of acting. Because the student will be performing for an audience, the student will also learn techniques of staging, costuming, lighting, sound, and make-up. Producing and staging a main stage play will be the main focus on this class. A great class for both actors and tech. crew. Students must register for both A and B classes. Repeatable class with teacher approval. This course may meet the technology proficiency graduation requirement based on an individual basis and project.

Vocal Music Pathway

Mixed Choir	**31213 (A)** **31214 (B)**

Prerequisite: None

An introductory, non-auditioned choir class covering basic singing technique, music reading, and part independence in a variety of musical styles. Open to all grade levels and experience levels. Students may register for either A or B, or both semesters.

A fee of $20 per semester will be charged for this class.

Treble Voices	**31217 (A)** **31218 (B)**

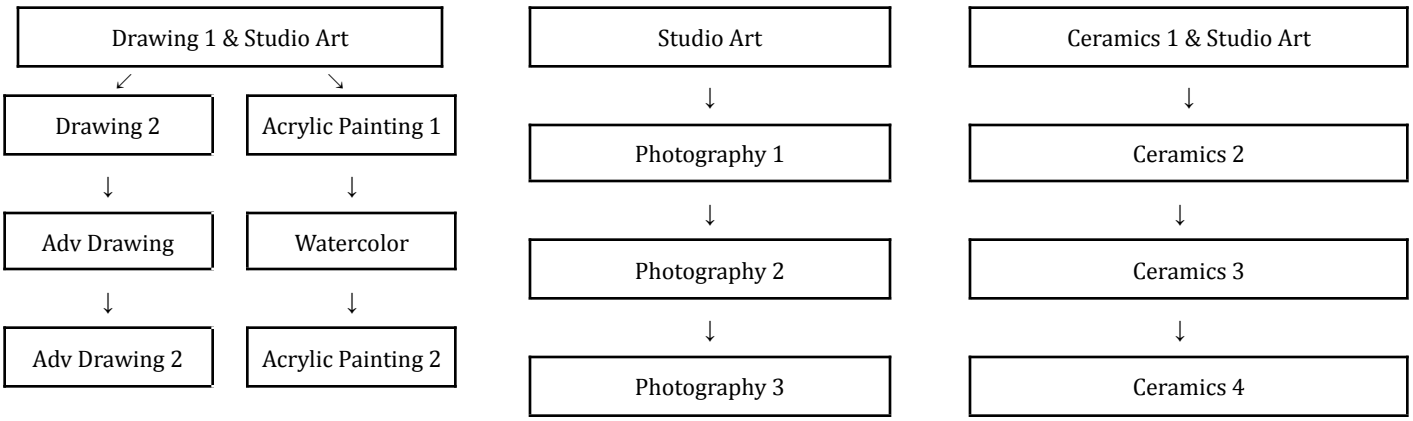
Prerequisite: Audition

By instructor's consent, this auditioned; select soprano/alto choir furthers singing technique and music literacy through performing advanced choral literature. Students may register for either A or B, or both semesters.

A fee of $20 per semester will be charged for this class.

Visual Arts Pathway Courses

Course No.	Course Title	Grade Level(s)				# Semesters	Pre-Req	NCAA Approved	Weighted Grade	College Credit ?	Cost	Entry Level	Credit Type
		9	10	11	12								
2D Art Pathway													
30202	Drawing 1	*	*	*	*	1					X	X	Elective
30203	Drawing 2		*	*	*	1	X				X		Elective
30204	Advanced Drawing 1			*	*	1	X				X		Elective
30234	Advanced Drawing 2			*	*	1	X				X		Elective
30211	Acrylic Painting 1		*	*	*	1	X				X		Elective
30233	Acrylic Painting 2			*	*	1	X				X		Elective
30213	Watercolor		*	*	*	1	X				X		Elective
30201	Studio Art	*	*	*	*	1	X				X	X	Elective
3D Art Pathway													
30205	Ceramics 1	*	*	*	*	1					X	X	Elective
30206	Ceramics 2		*	*	*	1	X				X		Elective
30207	Ceramics 3			*	*	1	X				X		Elective
30234	Ceramics 4			*	*	1	X				X		Elective
Photography Pathway													
30215	Photography 1		*	*	*	1	X				X	X	Elective
30216 (2)	Photography 2		*	*	*	1	X				X		Elective
30217 (3)	Photography 3			*	*	1	X				X		Elective



2D Art Pathway

Drawing 1 — 30202

Prerequisite: Should be taken in conjunction with Studio Art or Ceramics 1

This course's curriculum will emphasize learning the processes and techniques of drawing. Students will focus on "seeing" and the process of rendering the elements of drawing including shape, value, and line. Visual literacy and art history are components of the class. Students will be required to practice/build their drawing skills outside of class time. Ongoing formal and informal assessments of visual literacy will occur throughout the class. This course may be repeated for credit with instructor approval.

An art fee of $35.00 will be charged for this course.

Studio Art — 30201

Prerequisite: Should be taken in conjunction with Drawing 1 or Ceramics 1

Students will explore many applications and a variety of art media. The curriculum will involve many different areas of visual projects that involve drawing, collage, photography, painting, mixed media and sculpture. Students will learn about art history, principles of design, elements of art, and the critique process. Ongoing formal and informal assessments of artistic literacy will occur throughout the class.

An art fee of $35.00 will be charged for this course.

Acrylic Painting 1 — 30211

Prerequisite: Drawing 1 or Instructor Approval

Students will experiment with a variety of painting techniques and methods of palette control. Curriculum includes different approaches to the painting process, understanding how to achieve depth in a painting, and the use of elements of painting. Ongoing formal and informal assessments of visual literacy will occur throughout the class. Students will need to acquire a sketchbook, their own brushes, and certain pigments. These items will be discussed in class. This course may be repeated for credit with instructor approval.

A fee of $35.00 will be charged for this course.

Drawing 2 — 30203

Prerequisite: Drawing 1 or Instructor Approval

This course's curriculum will continue to emphasize learning the processes and techniques of drawing. Students will build on their "seeing" skills and the process of rendering the elements of drawing including shape, value, and line. Visual literacy and art history are components of the class. Students will be required to practice/build their drawing skills outside of class time. Ongoing formal and informal assessments of visual literacy will occur throughout the class. This course may be repeated for credit with instructor approval.

An art fee of $35.00 will be charged for this course.

Acrylic Painting 2	30233

Prerequisite: Drawing 1, Acrylic Painting 1 or Instructor Approval

This class will build on skills learned in Painting 1. The student will learn more advanced acrylic techniques as well as demonstrate mastery of beginner level skills. Students will observe and study other artist methods to help them develop their own personal style. The student will also learn new painting mediums such as oil, gouache and alcohol ink. Students will be required to purchase a sketchbook. This course may be repeated for credit with instructor approval.

A fee of $35.00 will be charged for this course

Advanced Drawing 2	30234

Prerequisite: Drawing 1, 2 & Adv. Draw 1, or Instructor Approval

This class is for the serious drawing student who wishes to continue investing in learning and building their drawing skills for AP Studio Drawing, college, or a career in the visual arts. Students will build on their "seeing" skills and start to develop a personal style. The student will also build on their visual portfolio. This course may be repeated for credit with instructor approval.

An art fee of $35.00 will be charged for this course

Advanced Drawing 1	30204

Prerequisite: Drawing 1 & 2 or instructor Approval

This class is for the serious drawing student who wishes to invest in learning and building their drawing skills for AP Studio Drawing, college, or a career in the visual arts. Students will build on their "seeing" skills and start to develop a personal style. The student will also build on their visual portfolio. This course may be repeated for credit with instructor approval.

An art fee of $35.00 will be charged for this course.

3D Art Pathway	
Studio Art	**30201**

Prerequisite: None

The curriculum in Studio Art will provide students with opportunities to explore the application of a variety of art media. Students will be engaged in projects that involve drawing, collage, printmaking, painting, mixed media, and sculpture. Students will learn about art history, principles of design, elements of art, and the critique process. Ongoing formal and informal assessments of artistic literacy will occur throughout the class. This course will also incorporate Google Apps for Education (GAFE.) This course may be repeated for credit with instructor approval.

An art fee of $35.00 will be charged for this course.

Ceramics 1	30208

Prerequisite: Should be taken in conjunction with Studio Art or Drawing 1

The curriculum in Ceramics 1 will emphasize learning about basic ceramics techniques and materials. Students will focus on hand-building methods including pinching, working with slabs, carving, draping clay, etc. Students will also learn about glazing and alternative finishes for projects. Art history and aesthetics are components of the class. Ongoing formal and informal critiques focused on aesthetics will occur throughout the class, along with student guided assessments.

An art fee of $35.00 will be charged for this course.

Ceramics 2	30206

Prerequisite: Ceramics 1 or Instructor approval

The curriculum in Ceramics 2 will provide students with the opportunity to continue developing skills in hand-building, while beginning to learn to throw on the wheel. Projects will be complex, requiring students to integrate techniques and use a variety of finishes. Ongoing formal and informal critiques focused on aesthetics will occur throughout the class, along with student guided assessments. Students will use the work of both contemporary and historical artists to inspire and influence their work.

An art fee of $35.00 will be charged for this course.

Ceramics 3	30207

Prerequisite: Ceramics 1 & 2 or Instructor approval

The curriculum in Ceramics 3 will continue to challenge students to solve artistic problems with complexity and a high level of craftsmanship. Students will be encouraged to experiment with new ideas and techniques in both the construction and finishing of projects. Functional and decorative pieces will be created from both hand-building and wheel throwing methods. Ongoing formal and informal critiques focused on aesthetics will occur throughout the class, along with student guided assessments. Students will use the work of both contemporary and historical artists to inspire and influence their work.

An art fee of $35.00 will be charged for this course.

Ceramics 4	30236

Prerequisite: Ceramics 1-3 or instructor approval

The curriculum in Ceramics 4 is designed to challenge advanced students in ceramics to synthesize their knowledge of art history, ceramics techniques, and an intentional use of principles of design and elements of art into a thought provoking, personal, and highly detailed portfolio. Students will continue to develop their skills in both hand-building and throwing on the wheel in order to create art pieces that exhibit a high level of professionalism, intricacy, while communicating a unique message to others. Ongoing formal and informal critiques focused on aesthetics will occur throughout the class, along with student guided assessments. Students will use the work of both contemporary and historical artists to inspire and influence their work.

An art fee of $35.00 will be charged for this course.

Photography Pathway	
Photography 1	**30215**

Prerequisite: To be taken in conjunction with Studio Art

In Photo 1, students will explore the fundamentals of photography and the basics of visual communication. Students will create photographic compositions that incorporate techniques as light, composition, color, and visual impact. Basic Photoshop skills will be introduced for image organization and basic image editing. Students will learn the fundamentals of photography through both digital cameras and traditional photographic techniques with access to a darkroom. Digital cameras will be available for student use, but it is encouraged for students to have their own digital camera. This course may be repeated for credit with instructor approval.

An art fee of $35.00 will be charged for this course.

Photography 2	30216

Prerequisite: Photography 1 and teacher recommendation

Photo 2 builds on skills and themes learned in Photo 1 with an emphasis on expanding, refining, and individualizing their work. Both digital and traditional photography techniques will be used and students will be required to take pictures both in and outside of class. Digital cameras will be available for student use, but it is encouraged for students to have their digital camera. This course may be repeated for credit with instructor approval.

An art fee of $35.00 will be charged for this course.

Photography 3	30217

Prerequisite: Photography 1 & 2 and teacher recommendation. An entry-level art class is recommended

Students will apply all skills and techniques learned in Photo 1 and 2 to this upper level photography course to create a more individualized photography portfolio. Students will also explore experimental photography techniques and build on their application of design and composition. This course may be repeated for credit with instructor approval.

An art fee of $35.00 will be charged for this course.

Gifted & Talented Program Courses

Course No.	Course Title	Grade Level(s)				# Semesters	Pre-Req	NCAA Approved	Weighted Grade	College Credit ?	Cost	Entry Level	Credit Type
		9	10	11	12								
HS121	GT Freshman Advisory GT Sophomore Advisory	*	*			1						X	Elective
HS122	Independent Study		*	*	*	1	X						Elective

Gifted and talented students are those who show exceptional performance and outstanding abilities or who demonstrate obvious potential for in-depth advanced academic programs. These students have been identified using a body of assessment evidence. LPHS is committed to providing an educational program that recognizes the unique abilities and educational needs of gifted and talented students and provides appropriate differentiated services and programs to encourage positive character development, high level thinking and creative productivity.

- Emotional Intelligence
- Executive functioning and other study skills
- Self-Advocacy
- Personal Agency and Leadership
- Project bases, student-directed learning
- Post-grad planning
- E-Portfolios

Are offered through a comprehensive program which includes:

- The GT Freshman Advisory Course
- The GT Sophomore Advisory Course
- The Advanced Independent Study Course

Please visit the Gifted Ed Program Website, found under Academics on the LPHS home page, for more information about support services offered.

NOTE: Course offerings from the Gifted Ed Program are open to any LPHS student who meets the prerequisites and requirements. Students do not need to be identified as gifted to enroll.

GT Freshman Advisory	HS121

Prerequisite: GT Facilitator / counselor recommendation; Elective Credit; 0.5 for one year

This course is tailored to freshman students who are identified as GT. It is scheduled for 45 minutes once per week during the student's study hall period freshman year. Thus, it does not take the place of other elective course opportunities. Through seminars, guest speakers, projects on student-selected topics, and tips and tricks for being successful in high school, students build connections, examine brain development, human intelligence, and learning styles. They also learn to improve their study skills, time management, organization, and other executive functioning. In addition, students apply creative problem-solving, critical thinking, peer evaluation, and self-reflection. They create their personal website/E-Portfolio to showcase their best work and biographical information. The E-portfolio is used all 4 years as a complement to ICAP and a toll for college and career applications. Students will also apply effective goal setting skills to develop their own individual Advanced Learning Plan (ALP)

Independent Study	HS122

Prerequisite: GT Sophomore Advisory; GT Facilitator/ Counselor recommendation; GPA of 3.0
The Independent Study is a rigorous, semester-long; student-directed and designed in-depth learning activity that supports individual academic goals and student interests in a way that might not be satisfied from a standard teacher-directed high school elective. The final project may also be used as a demonstration of the student's high standard for self-directed learning in the application process for selective colleges. It is scheduled as a class and monitored by the GT Facilitator and a mentor. It requires 90 study hours (Up to 40 of which may include an approved internship) and is a .5 credit resulting in a letter grade. Students must submit a proposal and follow through with an application process that is completed the semester before the Independent Study class is scheduled. Contact the GT Facilitator for more info and to begin the application process. This course may be repeated for credit.

GT Sophomore Advisory	HS121

Prerequisite: GT Facilitator/Counselor recommendation
Elective Credit; 0.5 for one year

This course is tailored to sophomore students who are identified at GT. It is scheduled for 45 minutes once per week during the student's study hall period sophomore year. Thus, it does not take the place of other elective course opportunities. Through seminars, guest speakers, projects on student-selected topics, students build connections, collaborate on student-led creative problems and projects. They dive into emotional intelligence and effective leadership and take note of their own growth in executive functioning. They practice presentation skills and college level research to thoroughly study a subject of their choice. College and career preparation is also part of this course. Students create their personal website/E-Portfolio to showcase their best work and biographical information. The E-portfolio is used all 4 years as a complement to ICAP and a tool for college and career application. Students will apply effective goal setting skills to develop their own individual Advanced Learning Plan (ALP). This course is a prerequisite for pursuing a GT independent study at LPHS.

Work-Based & Independent Learning Program Courses

Course No.	Course Title	Grade Level(s)				# Semesters	Pre-Req	NCAA Approved	Weighted Grade	College Credit ?	Weighted Grade	Entry Level	Credit Type
		9	10	11	12								
HS102 (S1), HS103 (S2)	Counseling Aide			*	*	1	X						Elective
HS150	Internship	*	*	*	*	TBD	X						Elective
HS110 (S1), HS111 (S2)	Library Aide			*	*		X						Elective
HS108 (S1), HS109 (S2)	Office Aide			*	*		X						Elective
HS152 (S1), HS153 (S2)	Peer Tutor			*	*		X						Elective
	Teacher Aide			*	*		X						Elective
See counselor	Work Study			*	*		X						Elective
*See counselor	ACE- CTE Computer Lit III – Operating Sys.												Elective
Varies per period	Attendance Waiver	*	*	*	*	1	X						No Credit Given

Counseling Aide	**HS102 (S1) HS103 (S2)**

Prerequisite: Counselor consultation and approval

Counseling Aides perform duties such as delivering passes, filing, and other projects for counselors and Student Services staff. Confidentiality, excellent attendance, and dependability are vital. Students earn a pass/fail grade for completion of this class.

Internship	**HS150**

Prerequisite: Internship application; see counselor to apply

This is a 60 or 120-hour student-directed learning experience outside of the classroom that enables students to develop skills related to their academic or career interests. Efforts will be made to balance the student's learning goals with the needs of the professional organization that they find to set up their internship with.
Students earn a pass/fail grade and .5 credits for completing 60 hours or 1.0 credit for completing 120 or more hours.

Library Aide	HS110 (S1) HS111 (S2)

Prerequisite: Approval by Educational Media Specialist

Library aides assist with all of the services in the Library Media Center. These duties include circulation and maintenance of library and media material. Important qualities for library aides are dependability and self-initiative. Students may only have one aide position each semester.
Students earn a pass/fail grade for completion of this class.

Office Aide	HS108 (S1) HS109 (S2)

Prerequisite: Approval by Office Manager

Office aides will assist the main office in the delivering and collecting of messages, distributing daily mail, and performing other varied clerical duties. Dependability and confidentiality are vital. Students may only have one aide position each semester. Students earn a pass/fail grade for completion of this class.

Peer Tutor	HS152 (S1) HS153 (S2)

Prerequisite: Peer Tutor Application; see counselor to apply

Peer Tutors will gain the experience necessary to be a tutor at the collegiate level and earn money. Students can add key elements to their resume for letters of recommendation, enhance their transcript, improve their own academics, re-teach and support struggling students, learn and model group tutoring strategies, learn questioning skills, discuss and solve problems in all subject areas, build relationships with peers and share wisdom and high school experience. Responsible Rangers are also eligible to be Peer Tutors.

Students earn a letter grade for completion of this class.

Teacher Aide	See Counselor

Prerequisite: Approval by teacher and assistant principal

Individual teachers employ teacher aides. Duties are diverse and range from using all types of office machines to performing various clerical duties. Teachers must request students at the beginning of each semester. Students may only have one aide position each semester. Students may not request to be a Teacher Aide at registration.

Students earn a pass/fail grade for this class.

Work Study	See Counselor

Prerequisite: Approval by teacher, assistant principal, & counselor

Work Study is provided for juniors and seniors who desire to explore a career in a field that is in alignment with their ICAP. A portion of their school day will actually be spent working with an employer to gain valuable work experience prior to graduation. Students are granted release time from school to participate in part-time jobs in companies where they utilize their skills and knowledge by working as an actual employee. Students can earn one or two semester credits of work experience each semester or a maximum of two total credits toward graduation. Hour requirements are as follows to receive credit: Paid work 60 hours for a half credit or 120 hours for one credit. (Maximum of one credit per semester.) Documentation of hours worked and employment status are required monthly and turned into a designated staff member. See your counselor for more information.

Students earn a pass/fail grade for completion of this class.

Attendance Waiver	Available Periods 1, 4, 5, & 8

Prerequisite: Counselor and assistant principal approval with signed waiver.

Attendance Waiver is a placeholder course for students with Admin. & Counselor approved Attendance Waiver requests. Students should only sign-up for Attendance Waiver if they have submitted the signed waiver.

Students will initially be placed in the Attendance waiver class period which impacts their Lewis-Palmer schedule the least. Efforts to place a student in a particular period will be made according to the requested period on the Attendance Waiver Application.

Attendance Waiver does not grant credit.

***ACE - CTE Computer Literacy III - Operating Systems**

Prerequisite: Counselor Recommendation

As developmentally appropriate, this course (or series of courses) is designed to help students apply their knowledge of personal computer operating systems. MS Windows and other operating systems will be studied. Topics and practice will include installing, configuring, troubleshooting, maintaining and repairing operating systems within the application being taught. This course may also include an introduction to programming, coding and robotics concepts as aligned to the student's Postsecondary pathway. Whenever possible, the appropriate use and safety of social media, internet ethics and exploration should be embedded into the curriculum.