

Mayfield High School



Student Curriculum Guide

2021-2022 School Year

Mayfield High School

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Las Cruces, New Mexico 88007

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Website: <http://www.mayfieldhighschool.org/>

School Motto

Only the Bold Wear Green and Gold

Mission Statement

Our purpose is to create a positive environment, in which all students will acquire the education necessary to become productive, fulfilled citizens. To achieve this, we are committed to providing a safe environment conducive to learning, increasing graduation rate, and implementing innovative programs designed to achieve academic success.

Student Commitments

As Mayfield students, we will be part of a positive and spirited campus, where we will be able to gain the education necessary to succeed in our lives after graduation. To achieve this, we will be active in school activities and organizations, be diligent in our studies, and enjoy the priceless of being a Trojan.

NOTE: Student Curriculum Guide is updated as of January 2021. The Las Cruces Public School Board is anticipating changes to daily school schedule and required number of credits. If these changes happen, changes will be updated on the Mayfield High School Website.

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Mayfield High School

ADMINISTRATION

Eric Fraass, Principal
Cari Aguilera, Assistant Principal
Dan Gomez, Assistant Principal
Rey Munoz, Assistant Principal
Alfred Rue, Assistant Principal

COUNSELING STAFF

Mayra Meza, Counselor
Denisse Parisi, Counselor
Samuel Tapia, Counselor
Fatima Ruiz, Secretary

SUPPORT STAFF

Wendy Alberson
Riba Calloway
Dolores Ortiz
Karen Hanson-Sharp
Mary Audetat
Jenny Herrera
Rebecca Mondragon
Lorie Morales
Sandra Sanchez
Erica Ybarra
Aneva Martinez

ALPHA

A—D & X, Y, Z
L—Q
R—V
E—K & W

ALPHA

A, L—Q
B, D, R—V, X, Y, Z
C, E—K & W
Guidance Secretary

POSITION

Special Education Lead
Nurse
Nursing Assistant
Librarian
Office Manager
Attendance
Receptionist
Athletics/Textbooks
Assistant Registrar
Registrar
Social Worker

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The LCPS and Mayfield High School Administration has the right to make any adjustments in the master schedule, including staff changes at any given time within the school year to meet the needs of our school and students.

Mayfield High School—Student Curriculum Guide Information

Mayfield High School is a four-year comprehensive high school, fully accredited by the North Central Association of Colleges and Secondary Schools, and does not discriminate on the basis of race, color, sex, religion, national origin, marital status, age, disability, physical characteristics, or treatment of individuals, or in any aspect of their operations. ***Curriculum Guide Disclaimer: The LCPS and Mayfield High School Administration has the right to make any adjustments in the master schedule at any given time within the school year to meet the needs of our school and students.***

Course Selection

Review graduation and college admission requirements before planning your schedule. Courses in the Student Curriculum Guide are offered based on student selection from the previous year; some courses may not be offered due to enrollment.

- Courses may be offered either in the fall, spring, or on a yearlong basis.
- Some courses must be taken in sequence.
- Some courses require fees, please be aware of this as you make class selections.
- Some courses are worth more than one credit and some are worth less. Be sure to account for all credits needed for graduation.
- Students should refer to the career pathway guide to determine a four-year plan.
- Students and parents should read the course descriptions of all classes very carefully. For questions regarding classes, please ask a teacher, counselor, or your advisory teacher.
- Some courses require teacher approval. Please see a counselor to receive a course approval form to obtain the appropriate teacher's signature.
- Students are registering for the entire year, and each student must have a balanced schedule with core classes and electives as needed.
- Some classes may be unavailable to students because of overloaded classrooms. Administrators will determine placement based on criteria.
- Students and parents should refer to the Schedule Change Policy regarding schedule changes listed in the course guide.
- Credits will not be received for a repeated course, unless it is offered at different levels.

Parents will be invited to participate in the Next-Step days to help consult and review their student's course selection for next year's enrollment. The Next-Step Plan is a state requirement that students develop, beginning in the Spring of 8th grade, and continue to update until graduation. Next-Step is developed collaboratively between students, parents, and school designee, which assists students in aligning their academic choices to their post-secondary and career goals. Parents are welcome to contact the Guidance Department with any questions related to scheduling.

General Information

IMPORTANT: Students who fail to meet the credit requirements for grade level advancement will remain in the same grade level for the following school year. Credit deficiencies may be made up in night school or summer school. Seats in classes are reserved for students taking the class for the first time.

Graduation Requirements

All students should take a challenging sequence of courses to be prepared for college and careers. Mayfield students have the opportunity to take rigorous and varied courses with excellent teachers. Parents and students share the responsibility for setting and meeting high expectations. High expectations include the following: attending classes daily, being on time, and completing the work required to provide a solid educational foundation. Academic success is a measure of motivation, a strong work ethic, regular attendance, and access to a quality education. Once classes are chosen, it may be possible for students to change classes.

Classification of Students

9th Grade Freshman—a student must be promoted to the 9th grade.
10th Grade Sophomore—a student must have earned at least 7 credits.
11th Grade Junior—a student must have earned at least 14 credits.
12th Grade Senior—a student must have earned at least 21 credits.

Prior to 2020	Entered 9th Grade 2015	29 Credits
Class of 2020	Entered 9th Grade 2016	28 Credits
Class of 2021	Entered 9th Grade 2017	24 Credits
Class of 2022	Entered 9th Grade 2018	25 Credits
Class of 2023	Entered 9th Grade 2019	24 Credits

Repeated Courses

On occasion, a student may desire to repeat a course that has been previously taken and passed for which credit has been awarded. The student will not receive additional credit for a course previously passed; however, the highest grade earned in the course will be used to calculate the cumulative grade point average (GPA).

In all cases, all grades earned remain on a student's transcript. Once the course is on the student's transcript, under **NO** circumstance will a course and/or grade be removed from the transcript, such an action is illegal. Repeating a course during the regular school day depends on seat availability.

See a counselor for night school or summer school information.

Attendance

Daily attendance is important to being successful in classes. Students with 9 or more absences in a block course or 4 absences in a yearlong course, who earned a passing grade in a class, will receive an NC in addition to their grade on the report card. The NC stands for No Credit, and the student must set-up an Attendance Appeal Hearing in an attempt to salvage credit for their classes to consider removal of the NC. If a student does not appeal within the designated timeline, the credit will not be granted. Students must attend a minimum of 90% of their classes.

Drop/Add Procedure

All justified schedule changes should be made prior to the beginning of each semester. Counselors are available during the summer, if a schedule change is required. A student's schedule reflects the classes they are required to take, and those classes indicated during pre-registration. After the semester begins, a Request to Change Classes Form may be picked up in the Guidance Office. This form must be signed by the student and parent. If a schedule change is warranted and approved, the grade and attendance in the beginning class transfers with the student to the new class.

Schedule changes will be considered for the following reasons:

- Lack of prerequisite
- A graduation requirement is needed
- Inappropriate placement
- Student schedule is incomplete
- School error in student's schedule

Additionally, according to district policy:

1. If the student withdraws from a course before the 25th school day of the semester, in which, the class begins, a notation will be made on the student's report card or transcript.
2. If a student withdraws from a course on the 25th day of the semester, in which, the class begins, but before the end of the first nine (9) week period, a notation of "WP or WF" will be entered on the student's permanent record, transcript, and report card. This will not be calculated in the student's GPA.
3. If a student withdraws from a course after the end of the first nine (9) weeks grading period of a semester, in which, the class begins, a grade of "F" will be recorded on the student's permanent record, transcript, and report card. The grade will be calculated in the student's GPA.
4. Students enrolled in zero hour and/or dual credit courses will be subjected to the withdrawal guidelines cited above.

Grade Transfer Policy

When a student transfers from another high school, transferred credits and grades from other school systems shall be converted by the principal/designee into appropriate LCPS credits and are included in the GPA computation.

- α. Advanced level courses or Honor level courses weighted in other districts and not weighted in LCPS, will not receive weighting upon conversion to LCPS.
- β. For transferred credits (non-LCPS courses) to which marks such as “O” (Outstanding) “S” (Satisfactory), and “U” (Unsatisfactory), or numeric grades or percentages have been assigned, the former school must translate such marks to a scale of A, B, C, D, and F.

Grade Scale

Performance Level	Description of Student Performance
“A” Level 90 to 100	<i>The student’s work exceeds all of the basic requirements of the challenge/task at a very high level of competence. It is clear, carried out with unusual precision and skill, and demonstrates an in-depth understanding and analysis of the content and the challenge itself. The work is presented in an original and creative manner that communicates either new insights or intriguing perspectives.</i>
“B” Level 80 to 89	<i>The student’s work exceeds all of the basic requirements of the challenge/task at a high level of competence. It is complete, has no significant errors, and demonstrates a thorough grasp of the content and the challenge/task itself. In addition, the work is well-presented, and facts and ideas have been combined in order to generalize or explain conclusions and interpretations of the ideas and concepts studied.</i>
“C” Level 70 to 79	<i>The student’s work satisfies the basic requirement of the challenge/task at an acceptable level of competence. It shows the required grasp of key ideas and concepts, is presented in an adequate manner, and conveys the key ideas of the challenge/task itself. Work at this level meets only the minimum level of performance and should be considered a point from which improvement should begin.</i>
“D” Level 60 to 69	<i>The student’s work does not satisfy the basic requirements of the challenge/task and must show improvement. This work demonstrates a minimal understanding of key ideas and concepts, lacks clarity and precision in its presentation, and demonstrates little understanding of the challenge/task itself. This work meets only the minimum level of competence for granting credit.</i>
“F” Level Below 60	<i>The student has not met the basic requirements for “D Level Performance” in the course. All strategies and/or time available to satisfy this academic requirements have been exhausted, and “No Credit” will be awarded for this course work.</i>

Credits in an Academic Year

Las Cruces Public Schools allows students enrolled in a traditional school program to earn 7 credits in an academic year. Students needing credit recovery may earn only 11 credits per year. This total includes credits earned in a day school and any credits earned in alternative programs. ALL students **MUST** be enrolled in at least 2 credits per semester as per state requirements. Students must be enrolled to receive at least 2 credits per semester with Mayfield High School to take Dual Credit classes at DACC and/or NMSU.

Athletics and Activities

A student must be enrolled in and pass at least 51% of the member school's regular class scheduled in courses that will be counted toward their graduation and in regular attendance during the current, as well, as the previous grading period. Students must have a minimum of 2.0 GPA and no F's. Edibility for all NCAA sanctioned activities will use semester grades. Fall eligibility will use Spring grades. Students may recover grades in summer school, as long as they replace with the EXACT class. A student must have passed a minimum of 51% of course work taken by a full-time student in the semester grading period immediately preceding participation to take advantage of the cumulative provision option. Please see Mayfield High School Athletic Director, Alfred Rue, if you have questions regarding athletics.

National Collegiate Athletic Association (NCAA)

If a student plans to participate in NCAA Division I or II college sports, special attention **MUST** be paid to their course selection, as per NCAA requirements. Specific courses must be taken in addition to maintaining a specific grade point average. When selecting courses you need to advise your counselor of your plans. Planning for NCAA eligibility should begin during the spring semester of a student-athlete's JUNIOR year. Please visit the following site to learn about specific requirements and create a profile at http://web1.ncaa.org/ECWR2/NCAA_EMS/NCAA.jsp. Additionally, students must follow district grading and attendance policies to maintain eligibility. Las Cruces Public Schools is committed to Pursing Victory With Honor.

Virtual Learning Academy (Online)

Las Cruces Public Schools has a Virtual Learning Academy (VLA) that provides students the opportunity to take courses as credit recovery or as courses not offered at your home school. If you are interested in a VLA course, you will need to see your counselor to discuss options and the requirements for successful completion of an online course.

Currently, VLA courses **are not** approved courses for NCAA eligibility.

On-Line Correspondence Courses

Correspondence

Students may take non-VLA accredited on-line correspondence coursework for graduation requirements and electives. Courses must be pre-approved by the Director of Secondary Instruction. Students should not sign up for courses without prior approval. Courses are paid for by the student/parent. Not all correspondence courses meet district requirements. Students and parents should work with a counselor to make sure all requirements are met, and the process is documented.

Distance Learning

The Virtual Learning Academy offers standards-based, student-centered distance courses taught in an interactive and engaging format. The flexibility and convenience of distance learning provides expanded learning opportunities by making high quality courses and highly qualified teachers available to students outside of the traditional school day. Students must meet with a counselor to sign up for the courses.

Advanced Placement (AP) Program

The Advanced Placement Program is a nationwide program based on the premise that students can complete college-level studies while still in high school. In May the College Board gives examinations in all AP subjects. Based on the examination performance and college/university AP policies, students may receive advanced standing in college courses or credit toward graduation from college. Depending upon the college or university, scores of 3, 4, or 5 may result in awarding a college credit for one or more semesters of college level work.

Advanced Placement courses earn 0.0344 bonus points for each successfully completed credit. If a course is .5 credits, half of the bonus points (0.172) will be awarded. Bonus points are added directly to the calculated GPA to yield the weighted GPA.

ENGLISH



A word cloud centered around the words "ENGLISH" and "LANGUAGE ARTS". The words are in various colors (blue, green, red, black) and sizes. The largest words are "ENGLISH" and "LANGUAGE ARTS". Other prominent words include "genre", "dialogue", "legend", "myth", "plot", "opinion", "poetry", "satire", "conflict", "antagonist", "characterization", "climax", "compare", "contrast", "monologue", "persuasive", "theme", "fact", "descriptive", "narrative", "non-fiction", "resolution", "fiction", "folk", "tale", "hero", "mood", "novel", "villain", "tone", "MR. CORREIA", "protagonist", and "villain".

genre
dialogue legend myth plot
conflict ENGLISH opinion poetry satire
antagonist MR. CORREIA protagonist
characterization LANGUAGE ARTS villain
climax compare contrast monologue persuasive theme
fact descriptive narrative non-fiction resolution
fiction folk tale hero mood novel

ENGLISH DEPARTMENT

The following courses meet state standards for English credit toward graduation. All students must complete four English credits for graduation. LCPS encourages all students to challenge themselves academically by enrolling in dual credit, honor and advanced placement courses.

ENGLISH LANGUAGE ART I

Prerequisite: None

Graduation Credit: English

This course builds upon the student's prior knowledge of grammar, vocabulary, word usage, and mechanics of writing. The skills of reading, research, writing, speaking and listening will be developed. Students will read various genres of literature such as novels, short stories, dramas and poetry. Students will respond through writing.

HONORS ENGLISH LANGUAGE ART I

Prerequisite: None

Graduation Credit: English

This course is the first in the sequence of courses leading to Advanced Placement (AP) English, and is recommended for students reading significantly above grade level. The study of literature encompasses various genres with an emphasis on novels. Students will learn researched based strategies to improve their reading comprehension, develop skills to determine the author's intent and theme, and recognize the techniques employed by the author. Students will write persuasive and critical thematic essays and a research paper. Students are expected to complete a summer reading assignment prior to the first day of class. Assignment instructions may be obtained from the Honors English teachers in May, or from the Guidance Department during the summer.

ENGLISH LANGUAGE ART II

Prerequisite: English Language Arts I

Graduation Credit: English

This course offers a balanced focus on composition and literature. Skill building continues upon the student's prior knowledge of grammar, vocabulary, word usage and mechanics of writing. Students will write persuasive, critical, and multi-paragraph thematic essays, as well as a research paper. The study of literature encompasses various genres as students develop the skills to determine the author's intent and theme, and recognize the literary elements employed by the author.

HONORS ENGLISH LANGUAGE ART II

Prerequisite: English Language Arts I

Graduation Credit: English

This course is the second in the sequence leading to Advanced Placement English and is recommended for students who have been successful in Honors English I, and are reading significantly above grade level. Emphasis will be placed on close reading and analysis of works from American literature, as well as non-fiction texts. Students will cultivate more advanced literature techniques with the aim of increasing the sophistication of their reading and comprehension. Students will be required to complete writing assignments, including an in-depth research project. Students will also develop and improve critical thinking and composition skills. Students are expected to complete a summer reading assignment prior to the first day of class. Assignment instructions may be obtained from the Honors English teachers in May, or from the Guidance Department during the summer.

ENGLISH LANGUAGE ART III

Graduation Credit: English

This course continues to develop students writing skills, emphasizing clear and logical writing organization and vocabulary enrichments. Students will write essays and complete a research paper. Students will read works of American literature, including the genres of poetry, short story, essay, novel, play and biography. An emphasis will be placed upon literary conventions and stylistic devices. Preparation for ACT/SAT subtests will also be included.

Prerequisite: English Language Arts II

AP ENGLISH LANGUAGE & COMPOSITION

Graduation Credit: English

AP English Language and Composition course expose students to prose written in a variety of periods, disciplines, and rhetorical contexts. Emphasis is placed on the interaction of authorial purpose, intended audience, and the subject at hand. Students learn to develop stylistic flexibility as they write compositions covering a variety of subjects and intended for various purposes. This course is intended to prepare students for the optional Advanced Placement Exam in this subject.

Prerequisite: English Language Arts II

Cost to Student: AP Exam

ENGLISH LANGUAGE ARTS IV

Graduation Credit: English

This course blends composition and literature into a cohesive whole, as students write critical and comparative analyses of selected literature and write a research paper. Selected readings engage students in a study of World Literature and various cultures. Typically, multi-paragraph essays dominate as the form of student composition. A research paper will be written in this course. Preparation for the ACT/SAT language subtests will also be included.

Prerequisite: English Language Arts III

AP ENGLISH LITERATURE & COMPOSITION

Graduation Credit: English

This course is designed to parallel college level courses. AP English Literature and Composition courses enable students to develop critical standards for evaluating literature. Students study the language, character, action, and theme in works of recognized literary merit, while enriching their understanding of connotation, metaphor, irony, syntax, and tone. Students will write compositions of their own including literary analysis, exposition, argument, and narrative. This course is intended to prepare students for the optional Advanced Placement Exam in this subject.

Prerequisite: English Language Arts III

Cost to Student: AP Exam

ENGLISH ELECTIVES

YEARBOOK PRODUCTION I-IV

Graduation Credit: Elective

This course is for students to help create the school yearbook. In this class, you will learn how to design, produce, and market the book. All students will take pictures, conduct interviews, write body copy and captions, and design layouts. Students in this course must be able to meet deadlines, work well with others, and spend time covering events outside of the school day. ***Business of Photography is strongly encouraged before taking this course.***

Prerequisite: Teacher Approval

Cost to Student: \$30.00 plus T-shirt & workshop

BILINGUAL COURSES

ESL—ENGLISH I & ESL LAB I

Prerequisite: ACCESS Assessment

Graduation Credit: English

This yearlong course is designed for the rapid mastery of the English Language, focusing on reading, writing, speaking, and listening skills. The course begins with extensive listening and speaking practice, building on auditory and oral skills, then moves to reading and writing. This course follows the New Mexico Content Standards and Benchmarks for Language Arts and the ELD Performance Instructional Strategies.

ESL—ENGLISH II & ESL LAB II

Prerequisite: ACCESS Assessment

Graduation Credit: English

This yearlong course is designed for the rapid mastery of the English Language, focusing on reading, writing, speaking, and listening skills. This course focuses on sentence structure, grammar, usage, and mechanics. This course follows the New Mexico Content Standards and Benchmarks for Language Arts and the ELD Performance Instructional Strategies.

ESL—ENGLISH III & ESL LAB III

Prerequisite: ACCESS Assessment

Graduation Credit: English

This yearlong course is designed for the rapid mastery of the English Language, focusing on reading, writing, speaking, and listening skills. This course focuses on thematic paragraphs, and may include journal and letter writing. This course follows the New Mexico Content Standards and Benchmarks for Language Arts and the ELD Performance Instructional Strategies.

ESL—ENGLISH IV & ESL LAB IV

Prerequisite: ACCESS Assessment

Graduation Credit: English

This yearlong course is designed for the rapid mastery of the English Language, focusing on reading, writing, speaking, and listening skills. This course focuses on multi-paragraph essays and other short compositions (may include applications, biographies, creative writing, and news articles). This course follows the New Mexico Content Standards and Benchmarks for Language Arts and the ELD Performance Instructional Strategies.

MATH

$x^2 - a^2 = (x+a)(x-a)$
 $\cos(-x) = \cos(x)$
 $\csc(-x) = -\csc(x)$
 $\lim_{h \rightarrow 0} \frac{f(x_0+h) - f(x_0)}{h} = f'(x_0)$
 $\sinh(x) = \frac{e^x - e^{-x}}{2}$
 $X_{k+1} = (X_k + y/X_k)^{n+1} / 2$
 $\text{arcsin}(z) = \ln(z + \sqrt{z^2 + 1})$
 $\cot(-x) = -\cot(x)$
 $\log_a m = \frac{\log m}{\log a}$
 $\text{C}_n r = \binom{n}{r} a^n b^{n-r}$
 $\text{Parallelogram} = bh$
 $x^2 + 2ax + a^2 = (x+a)^2$
 $\cos(-x) = \cos(x)$
 $\text{sech}(z) = \frac{2}{e^z + e^{-z}}$
 $\text{Sec}(iz)$
 $\text{csch}(x) = \frac{e^x - e^{-x}}{2}$
 $\sim \forall x [p(x)] \equiv \exists x [p(x)]$
 $\sim (p \wedge q) \equiv \sim p \vee \sim q$
 $\vec{u} + \vec{v} = \vec{v} + \vec{u}$
 $S_n = \frac{n}{2} [2a_1 + (n-1)d]$
 $X^2 - 2ax + a^2 = (x-a)^2$
 $\sum_{i=1}^n a_i = a_n$
 $y_{i+1} = y_i + (x_n/2)(a - y_i^2)$

$a^m \times a^n = a^{m+n}$
 $d = |x_1 - x_2|$
 $y/k = x$
 $d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$
 $\text{sec}(-x) = \sec(x)$
 $\tan(-x) = -\tan(x)$
 $\text{arcsch}(z) = \ln(1 + \sqrt{1+z^2})/z$
 $(a+b)^n - a^n - b^n \sim \sqrt[n]{p(x)} = \exists x [p(x)]$
 $\tan h(z) = -i \tan(iz)$
 $\text{arcsech}(z) = \ln(1 \pm \sqrt{1-z^2})/z$
 $P_n r = \frac{n!}{(n-r)!}$
 $\text{sch}(z) = \cos(iz)$
 $b^2 = (a+b)^2$
 $\sin(-x) = -\sin(x)$
 $\sim \exists x [p(x)] \equiv \forall x [p(x)]$
 $\frac{P(x)}{Q(x)} = \frac{G(x)}{Q(x)} + \frac{R(x)}{Q(x)}$
 $\text{Rectangle} = ab$
 $(ab)^m = a^m b^m$
 $\times [a > 0, b > 0]$

MATH

MATHEMATICS DEPARTMENT

The following courses meet standards for Mathematic credit towards graduation. All students must complete four Mathematic credits for graduation. LCPS encourages all students to challenge themselves academically by enrolling in dual credit, honor and advanced placement courses. The recommended sequence of classes is Algebra I, Geometry, and Algebra II. The fourth mathematics credit should align with the student's post-secondary and career goals.

ALGEBRA I

Prerequisite: None

Graduation Credit: Math

This course includes the study of properties and operations of the real numbers system, evaluating rational algebraic expressions, solving and graphing first degree equations and inequalities, translating word problems into equations; operations with and factoring of polynomials, and solving simple quadratic equations. This course will provide students with a basic foundation of algebraic skills enabling them to advance to Geometry and Algebra II. ***Students taking Algebra I may be enrolled concurrently in Algebra I Lab based on Scores/Recommendations.***

HONORS ALGEBRA I

Prerequisite: None

Graduation Credit: Math

This course is a rigorous study of Algebra I. It includes the study of properties and operations of the real number system, evaluating rational algebraic expressions, solving and graphing first degree equations and inequalities, translating word problems into equations; operations with a factoring of polynomials; and solving simple quadratic equations. This course will provide students with a strong foundation of algebraic skills enabling them to advance to Honors Geometry, and Honors Algebra II.

GEOMETRY

Prerequisite: Algebra I

Graduation Credit: Math

This course emphasizes an abstract, formal approach to the study of geometry and includes topics such as properties of plane and solid figures, deductive methods of reasoning and use of logic, geometry as an axiomatic system including the study of postulates, theorems, and formal proofs, rules of congruence, similarity, parallelism, and perpendicularity, and rules of angle measurements in triangles, including trigonometry, coordinate geometry, and transformational geometry.

HONORS GEOMETRY

Prerequisite: Algebra I

Graduation Credit: Math

This course is a rigorous study of geometry topics. Emphasis will be placed on an abstract and formal approach to the study of geometry, which includes topics such as properties of plane and solid figures, deductive methods of reasoning and use of logic, geometry as an axiomatic system of postulates, theorems, and formal proofs, rules of angle measurement in triangles, including trigonometry, coordinate geometry, and transformational geometry.

APPLIED MATH

Graduation Credit: Math

Prerequisite: Geometry & earned a D or F in Algebra I

This course aligns to the standards of Algebra I and Geometry with an emphasis on application. The fundamental purpose of this course is to extend the mathematics that students learned in Mathematics I or Algebra I and Geometry through applications. This course should allow the students to apply the concepts learned in Mathematics I or Algebra I and Geometry, and should not be the first time students have learned these concepts. The critical areas deepen and extend understanding of linear and exponential relationships through analyzing, solving, and using quadratic functions and expand and explore more complex geometric situations and deepen their explanations of geometric relationships. The Standards of Mathematical Practice apply throughout each course and together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

ALGEBRA II

Graduation Credit: Math

Prerequisite: Algebra I

This course includes the study of field properties and theorems, set theory; operations with rational and irrational expression, factoring of rational expressions, an in-depth study of linear equations and inequalities, quadratic equations, solving systems of linear and quadratic equations, graphing of constant, linear, and quadratic equations, properties of higher degree equations, and operations with rational exponents.

HONORS ALGEBRA II

Graduation Credit: Math

Prerequisite: Algebra I

This course is a rigorous study of Algebra topics that includes field properties and theorems, set theory, operations with rational and irrational expressions, factoring of rational expressions, in-depth study of linear equations and inequalities, quadratic equations, solving systems of linear and quadratic equations, graphing of constant, linear, and quadratic equations, properties of higher degree equations, and operations with rational and irrational exponents. ***A graphing calculator is required for this course.***

TRANSITION TO COLLEGE MATH

Graduation Credit: Math

Prerequisite: Algebra II

This course is higher than the level of Algebra II, and is intended to prepare students to enroll in college-level mathematics courses. The course covers topics from both Analytic Geometry and Math Analysis, these courses prepare students for eventual work in calculus. Topics include the study of polynomial, logarithmic, exponential, and rational functions and their graphs, vectors, the polar coordinate system, equations and graph of conic sections, rotations and transformations, parametric equations, set theory, Boolean algebra and symbolic logic, of linear and quadratic equations and systems of these equations, right trigonometric and circular functions and their graphs, and other trigonometry topics.

PROBABILITY & STATISTICS

Prerequisite: Algebra II

Graduation Credit: Math

This is an introductory course that introduces students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students will learn counting methods, probability, descriptive statistics, and graphs of data, the normal curve, statistical inference, and linear regression. Students cultivate their understanding of statistics using technology, investigations, problem solving, and writing as they explore concepts like variation and distribution; patterns and uncertainty; and data-based predictions, decisions and conclusions. This course aims to give students an understanding of the main ideas of statistics and useful skills for working with data. Problem-solving activities provide an opportunity for students to demonstrate their skills in real-world situations.

PRE CALCULUS

Prerequisite: Algebra II

Graduation Credit: Math

This class is an advanced form of Algebra, and a foundational mathematical discipline. Precalculus is actually two separate courses: Algebra and Trigonometry. Precalculus prepares students for calculus the same way as pre-algebra prepares students for Algebra I. While pre-algebra teaches students many different fundamental algebra topics, precalculus does not involve calculus, but explores topics that will be applied in calculus. It often involves covering algebraic topics that might not have been given attention in earlier algebra courses.

AP CALCULUS AB

Prerequisite: Algebra II

Graduation Credit: Math

Cost to Student: AP Exam

This course provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications. It introduces the following topics: elementary functions, properties of functions and their graphs, limits and continuity, differential calculus (including definition of the derivative formulas, theorems about derivatives, geometric applications, optimization problems, and rate-of-change problems), and integral calculus (including anti-derivatives and the definite integral). This course is intended to prepare students for the optional Advanced Placement Exam. A graphing calculator is required. When signing up, please make sure to sign up for AP Calculus BC. ****This course requires concurrent enrollment with AP Calculus BC.***

AP CALCULUS BC

Prerequisite: AP Calculus AB

Graduation Credit: Math

Cost to Student: AP Exam

This course provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications, and also requires additional knowledge of the theoretical tools of calculus. This course assumes a thorough knowledge of elementary functions, and covers all of the calculus topics in AP Calculus AB, as well as the following topics: vector functions, parametric equations, and polar coordinates, rigorous definitions of finite and nonexistent limits, derivative of vector functions and parametrically defined functions, advanced techniques of integration and advanced applications of the definite integral, and sequence and series. This course is intended to prepare students for the optional Advanced Placement Exam. A graphing calculator is required. ****This course requires concurrent enrollment with AP Calculus AB.***

SCIENCE



SCIENCE DEPARTMENT

Students are required to complete three science credits, two of which must be laboratory sciences. LCPS recommends that students take a science course each year of high school to complete four science credits. Recommended sequence by grade level year. Students should align their science choices to their post-secondary and career goals. This recommended course sequence will prepare each student for the New Mexico Standards Based Assessment (NMSBA), ACT and SAT. Course sequence will change for 2022 Cohort.

BIOLOGY

Prerequisite: None

Graduation Credit: Science & Science Lab

Biology is a lab science class based on the Next Generation Science Standards (NGSS). In this class, students deepen their understanding between living and non-living systems on Earth. NGSS performance expectations will be implemented three-dimensionally to integrate science and engineering practices, crosscutting concepts, and disciplinary core ideas through the concepts of: Earth's ecosystems, cycling of matter, living systems, inheritance of traits, evidence of evolution, population dynamics and ecosystem stability.

HONORS BIOLOGY

Prerequisite: Teacher Recommendation

Graduation Credit: Science & Science Lab

Biology is a lab science class based on the Next Generation Science Standards (NGSS). In this class, students deepen their understanding between living and non-living systems on Earth. NGSS performance expectations will be implemented three-dimensionally to integrate science and engineering practices, crosscutting concepts, and disciplinary core ideas through the concepts of: Earth's ecosystems, cycling of matter, living systems, inheritance of traits, evidence of evolution, population dynamics and ecosystem stability.

CHEMISTRY

Prerequisite: Biology

Graduation Credit: Science & Science Lab/Elective

Chemistry of the Earth's System is a lab science class based on the Next Generation Science Standards (NGSS). In this class, students deepen their understanding of chemical systems on Earth. NGSS performance expectations will be implemented three-dimensionally to integrate science and engineering practices, crosscutting concepts, and disciplinary core ideas through the concepts of: Atoms and bonding, elements, chemical reactions, bio-geo-chemical cycles, and the chemistry of human impact.

HONORS CHEMISTRY

Prerequisite: Teacher Recommendation

Graduation Credit: Science & Science Lab

Chemistry of the Earth's System is a lab science class based on the Next Generation Science Standards (NGSS). In this class, students deepen their understanding of chemical systems on Earth. NGSS performance expectations will be implemented three-dimensionally to integrate science and engineering practices, crosscutting concepts, and disciplinary core ideas through the concepts of: Atoms and bonding, elements, chemical reactions, bio-geo-chemical cycles, and the chemistry of human impact.

PHYSICS

Prerequisite: Chemistry

Graduation Credit: Science & Science Lab/Elective

Physics in the Universe is a lab science class based on the Next Generation Science Standards (NGSS). In this class, students deepen their understanding of physics and physical science. NGSS performance expectations will be implemented three-dimensionally to integrate science and engineering practices, crosscutting concepts, and disciplinary core ideas through the concepts of: origins of the universe, force, motion, energy, nuclear processes, waves, and electromagnetic radiation. Class option through the 2020-21 school year.

HONORS PHYSICS

Prerequisite: Teacher Recommendation

Graduation Credit: Science & Science Lab/Elective

Physics in the Universe is a lab science class based on the Next Generation Science Standards (NGSS). In this class, students deepen their understanding of physics and physical science. NGSS performance expectations will be implemented three-dimensionally to integrate science and engineering practices, crosscutting concepts, and disciplinary core ideas through the concepts of: origins of the universe, force, motion, energy, nuclear processes, waves, and electromagnetic radiation. Class option through the 2020-21 school year.

BIOLOGY & BIOLOGY ADVANCED STUDIES

Prerequisite: Biology, Chemistry

Graduation Credit: Science & Science Lab/Elective

Cost to Student: AP Exam

AP Biology is a college level course designed to prepare students to take the Advanced Placement Biology Exam in May, in which, students may receive university credit. The course follows the College Board guidelines. Major topics to be studied include the chemistry of life, cells, cellular energetics, heredity, molecular genetics, evolutionary biology, the diversity of organisms, the structure and function of plants and animals, and ecology. The twelve required AP Biology labs are a key component of the course. Students should be prepared to spend significant amounts of additional time outside the classroom on assignments, projects, and preparation for the exam.

**This course requires concurrent enrollment into Biology Advanced Studies for the purpose of required labs.*

AP CHEMISTRY & CHEMISTRY ADV. STUDIES

Prerequisite: Chemistry

Graduation Credit: Science & Science Lab/Elective

Cost to Students: AP Exam

This is a college freshman level course for students desiring a rigorous, challenging presentation of fundamental chemistry concepts. AP Chemistry requires more time, effort and formulation from students than regular secondary chemistry courses. Topics include atomic theory and structure, chemical bonding, nuclear chemistry, states of matter, and reactions (stoichiometry, equilibrium, kinetics, and thermodynamics). AP Chemistry laboratories are equivalent to those typical college courses. This course follows the published College Board guidelines, and is intended to prepare students for the AP Chemistry Exam, which is offered in May, and may allow students to earn a university credit.

AP PHYSICS

Prerequisite: Chemistry

Graduation Credit: Science & Science Lab/Elective

Cost to Students: AP Exam

AP Physics is designed to be equivalent to the first semester of an introductory college level algebra-based physics course. This course content includes the following areas: kinematics, motion, energy, sound waves and electrostatics. This course is intended to prepare students for the optional Advanced Placement Exam in this subject, and should follow the published College Board guidelines.

ANATOMY & PHYSIOLOGY

Graduation Credit: Science & Science Lab/Elective

*Prerequisite: Biology, Chemistry, Physics
or AP Physics*

The purpose of this course is to provide students with an advanced and detailed understanding of the structure and functions of the human body. It is intended to prepare those who are interested in further specialized work in the medical or biological sciences. Laboratory work including dissection and other hands-on activities will be used in teaching, and reinforcing conceptual information.

FORENSIC SCIENCE

Graduation Credit: Science & Science Lab/Elective Medical Anatomy & Physiology or AP Physics

Prerequisite: Chemistry, Physics

This course presents the unifying principals of forensic science, discusses the foundation of forensic science and mathematics, and introduces the technique of integrating these areas in the solving of criminal cases. The philosophical, rational, and practical framework that supports a forensic investigation will be present via an integrated curriculum. Students will study forensic anthropology, biochemistry, chemistry, and physics as well as problem solving techniques and how to utilize a crime scene. Other topics include autopsies, toxicology, microscopy, DNA molecular techniques, and pathology. Students will demonstrate their mastery of technical writing.

SOCIAL STUDIES



SOCIAL STUDIES DEPARTMENT

All of the following courses meet state standards for social studies credit toward graduation. Students are required to complete three and one-half social studies credits for graduation. LCPS encourages all students to challenge themselves academically by enrolling in dual credit, honors, and advanced placement courses. Recommended sequence: New Mexico History, World History, U.S. History and Principals of Democracy. Advanced Placement (AP) courses are academically rigorous and provide an enriched curriculum preparing students for college.

NEW MEXICO HISTORY

Prerequisite: None

Graduation Credit: New Mexico History

This course supports students to become more knowledgeable, and aware of the historical, cultural, economic, and political history of New Mexico, and their geographical connections. Students will analyze the role that New Mexico plays in national and international arenas.

HEALTH EDUCATION

Prerequisite: None

Graduation Credit: Health

This course provides knowledge and skills practice in a variety of health topics including the six CDC health risk behaviors, and must be aligned with the 9-12 PED Health Education content standards with benchmarks and performance standards. ***This course will meet the graduation requirement for Health Education.***

WORLD HISTORY & GEOGRAPHY

Prerequisite: New Mexico History

Graduation Credit: World History

This course covers the major eras and important turning points in world history from the Age of Enlightenment to the present. Included within this course is world geography to support geographical concepts as they relate to the understanding of changes through the world.

AP WORLD HISTORY & GEOGRAPHY

Prerequisite: New Mexico History

Graduation Credit: World History

Cost to Student: AP Exam

The purpose of this course is to develop an integrated understanding of the evolution of global processes and contracts in interaction with different types of human societies. Focused primarily on the past 1,000 years of global experience. The course builds an understanding of cultural, institutional, and technological precedents that, along with geography, set the human state prior to 1000 C.E. This course is intended to prepare students for the optional Advanced Placement Exam in this subject and should follow the published College Board guidelines.

U.S. HISTORY & GEOGRAPHY

*Prerequisite: World History & Geography
or AP World History*

Graduation Credit: U.S. History

The course examines the history and impact of major eras, events, and individuals in United States History since the Civil War and Reconstruction. Included within this course is U.S. Geography to support geographical concepts as they relate to the understanding of the development of the United States.

AP U.S. HISTORY & GEOGRAPHY

Graduation Credit: U.S. History

This course prepares students for the AP exam in U.S. History and provides students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States History. Students will learn to assess historical materials, and to weigh the evidence and interpretation presented in historical scholarship. The course examines time periods from discovery and settlement of the New World through the recent past. Included within this course in U.S. geography to support concepts as they relate to the understanding of the development of the United States. This course is intended to prepare students for the optional Advanced Placement Exam in this subject and should follow the published College Board guidelines.

Prerequisite: World or AP World History

Cost to Student: AP Exam

PRINCIPALS OF DEMOCRACY-Distance Learning

Graduation Credit: Government

This course combines the study of the structure of national, state, and local U.S. Government with an overview of the principles of market economics. Course content may include contemporary U.S. issues. The emphasized purpose of this course is to prepare students to perform effectively as informed citizens. *This course satisfies the distance learning requirement.*

Prerequisite: U.S. History or AP U.S. History

AP U.S. GOVERNMENT & POLITICS

Graduation Credit: Government

This course prepares students for the AP exam in U.S. Government and Politics. This course provides students with an analytical perspective on government and politics in the United States, involving both the study of general concepts used to interpret U.S. politics, and analysis of specific case studies. The course generally covers the following topics: constitutional underpinnings of U.S. Government, political beliefs and behaviors, political parties and interest groups, the institutions and policy process of national government, and civil rights and liberties. This course is intended to prepare students for the optional Advanced Placement Exam in this subject, and should follow the published College Board guidelines.

Prerequisite: US History or AP US History

Cost to Student: AP Exam

SOCIAL STUDIES ELECTIVES

AP HUMAN GEOGRAPHY

Graduation Credit: Elective

This course introduces students to the systematic study of patterns and process that have shaped human understanding, use, and alteration of the Earth's surface. Students will employ spatial concepts and landscape analysis to analyze human social organization and its environmental consequences. Methods and tools geographers' use in their science and practice will also be taught. This course is intended to prepare students for the optional Advanced Placement Exam in this subject and should follow the published College Board guidelines.

Prerequisite: None

Cost to Student: AP Exam

LEGAL SYSTEM

Graduation Credit: Elective

This course examines the working of the U.S. criminal and civil justice systems, including an understanding of civil and criminal law. The course also provides the legal process, structures and procedures of courts, and the role of various legal or judicial agencies. Although the emphasis is placed on the legal process, the history, and the foundation of U.S. laws (Constitution, statutes, and precedents) may also be included. Content may also include contemporary problems in the criminal justice system.

Prerequisite: None

PSYCHOLOGY

Prerequisite: 10th—12th Grade

Graduation Credit: Elective

This course introduces students to the study of individual human behavior. The course content typically includes, but not limited to, an overview of the field of psychology, topics in human growth and development, personality and behavior, and abnormal psychology.

AP PSYCHOLOGY

Prerequisite: Psychology

Graduation Credit: Elective

Cost to Student: AP Exam

This course is designed to parallel an introductory college level psychology course. AP psychology courses introduce students to the systematic and scientific study of behavior and mental processes of human beings and other animals, expose students to each of the major sub-fields within psychology, and enable students to examine the methods psychologist use in their science and practice. This course is intended to prepare students for the optional Advanced Placement Exam in this subject and should follow the published College Board guidelines.

STUDENT GOVERNMENT

Prerequisite: Teacher Recommendation

Graduation Credit: Elective

This course convenes students as an entire student body to discuss common concerns, organize groups for action, make decisions, and solve school related problems. Because of the nature of this course, school orientation courses are typically offered at private, alternative, or experimental schools.

ACADEMIC CAREER EXPERIENCE (ACE)

What is ACE?

ACE—Academic Career Experience is an early work experience program, in which students at Mayfield High School can earn credit toward graduation through participating in work experience related to career fields of their interest.

A recent study done by Millennial Branding, indicates that 89% of companies surveyed confirmed that high school students who have an internship, have a distinct advantage when competing for college internships, and full time jobs. An internship can help create professional networking early and help students pave the way to success.

Below are six benefits to interning while in high school, according to this study:

- ⇒ **Defining career goals**—Learn what you really love to do, or not
- ⇒ **Networking with professionals**—Gain access to professional help, and individuals with expertise in the field
- ⇒ **Gain confidence**—Learn under the help of mentors, the skills needed for success such as resumes, job interviewing skills, and speaking to others
- ⇒ **Stand out**—Having experience sets you apart from your peers
- ⇒ **Opportunities to advance**—Internships often lead to jobs or opportunities to receive further education or training
- ⇒ **Hands-on skills**—Valuable knowledge about interviewing, team-work, and skills and insight into what the career is really all about

What is expect from an ACE student:

There are some very basic requirements for students to be involved in ACE. If at any time a student does not abide by these rules, there will be a meeting with counselor, parent or guardian, to find root causes for correction or the student will be removed.

- **Attendance**—Number one priority, must be able to be at the jobsite every day
- **On time**—Students must be on time and prepared to work
- **Positive attitude**—Realize you are starting out and will have to do mundane tasks, until you are further trained, and/or licensed to do otherwise
- **Follow rules**—Students will abide by the company rules and policies, handbook, rules or other regulations of the worksite
- **Absences**—Students shall report ahead of time, if possible, to ACE specialist and jobsite mentor
- **Transportation**—Students must have reliable form of transportation to get to work
- **240 hours per semester are required for credit**—Time is logged on through an app called T-sheets

Please be aware that students in the ACE program will be asked to give up their electives for the school year. **Please see you Counselor to get an ACE application.**

AGRICULTURE- Small Animals

INTRODUCTION TO AGRICULTURE

Prerequisite: None

Graduation Credit: Elective/Career Cluster

The local, national, and global definitions, history, and scope of agriculture in society is covered in this course. It also covers plant and animal sciences, production and processing, agricultural mechanics, including tools and machine operation, business and natural resource management, management of food and fiber systems, soil characteristics, formation and properties, and development of leadership and communication skills.

SCIENCE OF SMALL ANIMALS

Prerequisite: Introduction to Agriculture

Graduation Credit: Elective/Career Cluster

This course imparts information about the care and management of domesticated animals. Possible topics include animal nutrition, health, reproductive, genetics, facilities, and marketing. The course will also include the study of anatomy and physiology of livestock and other domesticated animals, examination of developmental stages and analysis of feed ration for different parts of an animal's life cycle, identification of environmental factors that affect an animals performance, and recognition, of animal behaviors to facilitate working with animal safety. Specific focus of this course in on small animals including rabbits, fowl, dogs, and cats.

VETERINARY SCIENCE

Prerequisite: Science of Small Animals

Graduation Credit: Elective/Career Cluster

This course imparts information about employment as a veterinary technician. Animal health, nutrition, reproduction, genetics, facilities maintenance, anatomy, and physiology and business management are all possible areas of study. Specific focus of this course is on mastering the entry level skills needed for employment as a veterinary assistant or technician.

AGRICULTURE- Mechanics, Welding & Metal Fabrication

INTRODUCTION TO AGRICULTURAL MECHANICS

Prerequisite: None

Graduation Credit: Elective/Career Cluster

Cost to Students: \$20.00

This course provides for the skill and knowledge development applicable to the tools and equipment used in the agricultural industry. In learning to apply basic industrial knowledge and skills (engines, power, welding, and carpentry), a broad range of topics may be explored, including the operation, mechanics, and care of tools and machines, the construction and repair of structures, introduction to electricity and power. Procedures for safe operations in the agricultural mechanics laboratory are included in this course. Topics include construction personal safety, construction codes, project planning and design, using hand tools, using power tools, tool maintenance, identifying metals and their physical properties, applying heat treating processes, cold metal techniques, oxy fuel cutting, shielded metal arc welding, and gas metal arc welding. Students enrolled in this class will be eligible to participate in various FFA activities.

WELDING

Graduation Credit: Elective/Career Cluster

Prerequisite: Introduction to Agricultural Mechanics

Cost to Students: \$20.00

This course introduces students to the properties, uses, and applications of various metals. Welding courses provide experience in various processes used to join and cut metals (such as oxyacetylene, shield metal arc, metal inert gas and tungsten arc processes) and the proper use of each technique. Courses often include instruction interpreting blueprints or other types of specifications.

METAL FABRICATION FOR THE AG INDUSTRY

Graduation Credit: Elective/Career Cluster

Prerequisite: Welding

Cost to Students: \$20.00

Topics for this course include oxyacetylene and MIG welding techniques including cutting, brazing, and welding. Includes fabrication techniques and project design, including estimating and developing materials list. Tool room management and safety procedures are essential to the course are taught.

METAL FABRICATION FOR THE AG INDUSTRY II

Graduation Credit: Elective/Career Cluster

Prerequisite: Metal Fabrication for the

AG Industry Cost to Students: \$20.00

This competency-based course provides serious students with entry-level skills in wood and metal fabrication for project construction. Other skills include oxyacetylene welding and cutting, plasma welding and cutting, gluing, and fastening woods. Students will receive instruction in safety, hand and power tool usage, planning, selecting materials, and usage related to the construction of items used in agriculture, shop, and home. Students will be using their own ideas and methods in the design and fabrication of a wood and/or metal project.

AIR FORCE JROTC

AIR FORCE JROTC

Graduation Credit: PE/Elective/Career Cluster

Prerequisite: I—III

Cost to Students: \$15.00

AFJROC is a hands-on, military-style leadership lab. AFJROTC I counts for a required graduation PE credit. Students learn fundamentals of aerospace science, military customs and courtesies, drill and ceremonies and physical fitness. Cadets team up to help community organizations, perform military color guards, plan formal dinner dances and a variety of other activities throughout the year. Students subsequent AFJROTC classes (II-IV) will take increasing leadership roles in JROTC activities.

ROTC DRILL/MARKSMANSHIP AIR FORCE I—IV

Graduation Credit: PE/Elective/Career Cluster

Prerequisite: Co-enrollment JROTC

This is a general elective class for AFJROTC students who want to compete on either the AFJROTC drill or marksmanship teams. Teams will perform for local exhibitions and compete up to 8 times a year, on weekends, with some out of town travel. Additional fees and/or fundraising may be required. ***Students must be concurrently enrolled in one of the JROTC courses to participate in this course.***

AIR FORCE JUNIOR RESEARCH STEM LAB

Graduation Credit: PE/Elective/Career Cluster

Prerequisite: Co-enrollment JROTC

Cost to Student: \$25.00

AFJRL is a hands-on science, technology, engineering and mathematics (STEM) lab. Students will use computers to design, build and fly rockets, high altitude balloons, and work on Flying Trojan Airplane project. Students will have the opportunity to compete in the Team America Rocketry Challenge (TARC) in Washington D.C. and help lead an elementary school STEM camp.

NOTE: *AFJROTC is not a recruiting program for the military. It does, however, provide knowledge, skills and abilities that will allow for the students to be successful in the military and other security-type careers. For all AFJROTC courses at Mayfield High School, the student must comply with the US Air Force grooming standards and uniform requirements, plus wear the uniform as required. Failure to do so may be cause for course failure. All required items are provided at no cost to the student.*

PRINCIPLES OF AERONAUTICAL SCIENCE

Graduation Credit: Elective/Career Cluster

Prerequisite: 10th, 11th or 12th & 2.5 GPA

Administrator or Counselor Approval

*This AFJROTC course is a dual credit course and is offered through Embry-Riddle Aerospace University and Dona Ana Community College. It is an introductory course in Aeronautical Science designed to provide the student with a broad-based aviation orientation in flight-related areas appropriate to all non-Aeronautical Science degree programs and an introduction to unmanned Aerial Systems. Subjects include historical developments in aviation and the airline industry; theory of flight; airport operations; aircraft systems and performance; elements of air navigation; basic meteorology theory; air traffic principles; flight physiology; and aviation regulations and safety. This class is 3 credit hours. Course reference code: ***DACC AERT 105***

AIRCRAFT SYSTEMS

Graduation Credit: Elective/Career Cluster

*Prerequisite: 10th, 11th or 12th & 2.5 GPA
Administrator or Counselor Approval*

*This AFJROTC course is a dual credit course offered through Embry-Riddle Aerospace University. It is a survey of unmanned aircraft systems (UAS), emphasizing the military and commercial history, growth, and application of UASs. The course will include basic acquisition, use, and operation of UASs with an emphasis on operations and opportunity to take the FAA Part 107 UAS pilot in command exam. This class is 3 credit hours. Course reference code: **ERAU AS 220**

PRIVATE PILOT OPERATIONS

Graduation Credit: Elective/Career Cluster

*Prerequisite: 10th, 11th or 12th & 2.5 GPA
Administrator or Counselor Approval*

*This AFJROTC course is a dual credit course offered through Embry-Riddle Aerospace University and develops the aeronautical knowledge required for certification as a Private Pilot with an Airplane Single Engine Land rating. Topics include: regulations, safety, pre-solo operations, cross-country planning, airspace, chart use, communications, weather, performance, weight and balance, aerodynamics, and decision-making. Course will offer an opportunity to take the FAA private pilot written exam. This class is 5 credit hours. Course reference code: **ERAU AS 121**

***These courses are provided by DACC and Embry-Riddle Aerospace University in Florida and Arizona.**

UNIVERSITY LOCATIONS:

Daytona Beach, Florida—1 Aerospace Boulevard, Daytona Beach, FL 32114
Prescott, Arizona—3700 Willow Creek Road, Prescott, AZ 86301-3720

Dual Credit Requirements for Embry-Riddle Aeronautical University are as follows: 2.5 GPA (unweighted), be a sophomore or higher, approval by an administrator or counselor. Students enrolling in the program through DACC, must follow all of DACC enrollment requirements, (see page 38), as well as the requirements for Embry-Riddle Aerospace University. Registration for these classes can be within three weeks before each semester.

To find out more information students and parents can go to Embry-Riddle Aeronautical University at **ERAU.edu**

ARCHITECTURE & ENGINEERING

INTRODUCTION TO ENGINEERING DESIGN

Graduation Credit: Elective/Career Cluster

This course teaches problem-solving skills using a design development process. Models of product solutions are created, analyzed and communicated using solid modeling computer design software. Students learn problem solving, are introduced to CAD, and also are exposed to creating 3D models.

Prerequisite: None

PRINCIPLES OF ENGINEERING

Graduation Credit: Elective/Career Cluster

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

Prerequisite: Introduction to Engineering Design

AEROSPACE ENGINEERING

Graduation Credit: Elective/Career Cluster

This course propels students' learning in the fundamentals of atmospheric and space flight. As they explore the physics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They learn basic orbital mechanics using industry-standard software. They also explore robot systems through projects such as remotely operated vehicles.

Prerequisite: Principles of Engineering

Teacher Academy

Teacher Academy 1 (Pre-Teaching 1): 9th-12th *Prerequisite: None*

Graduation Credit: Elective/Career Cluster

The Teacher Academy 1 program is a PROJECT BASED LEARNING program. Students in this program will learn about the all the different careers in the educational system and how each of these careers create a learning environment. This class is a hands-on activities course that will teach them about different types of learners, classroom management, teaching methods/skills, lesson planning, and more. Learn how to create and assess learning activities for all grade levels (preschools, elementary, and secondary). Each semester students engage in a local community service-learning project. This program is created to “home grow” our own teachers (ECED, Elementary & Secondary) and auxiliary staff (social workers, counselors, school psychologists, SLP’s. etc)

Teacher Academy 2 (Pre-Teaching 2): 10th-12th *Prerequisite: Teacher*

Graduation Credit: Elective/Career Cluster

Academy 1

Students will intern with a cooperating teacher and school in either preschool, elementary, or secondary level. Students interested in auxiliary careers will be placed appropriately with mentoring staff. Must have a “B” or better in Teacher Academy 1 or AP Psychology to be placed in the internship course. This course provides project-based learning assignments in conjunction with internship. Each semester students engage in a local community service-learning project. This program is created to “home grow” our own teachers (ECED, Elementary & Secondary) and auxiliary staff (social workers, counselors, school psychologists, SLP’s. etc)

COLLEGE CAREER SUCCESS

Prerequisite: 11TH-12TH

Graduation Credit: Elective/Career Cluster

The objective of this course is to assist students in identifying colleges that meet their needs (as well as desires), make them aware of admission requirements and application deadlines, and prepare them for entrance exams. Students will also prepare for scholarship and application essays, academic resumes, and portfolios to highlight and showcase their talents in academics, sports, the arts and extra-curriculars.

AUTOMOTIVE TECHNOLOGY

INTRODUCTION TO AUTOMOBILES (Auto I)

Graduation Credit: Elective/Career Cluster

This course is designed for students who wish to explore careers in the automobile technologies industry. This course offers an introduction to various mechanical systems in automobiles and provides a basic experience in routine maintenance tasks. Engine repair is part of this course. This includes engine operation and skills needed to rebuild engines, as well as safety training and tool use. Designed to meet and follow the National standards set by ASE/NATEF.

Prerequisite: None

Cost to Student: \$20.00

AUTO TECHNOLOGY COMPREHENSIVE (Auto II)

Graduation Credit: Elective/Career Cluster

This course emphasizes the diagnosis and repair of automobile engines and support systems. The course will implement the comprehensive and use of auto repair manuals, safety, and employability skills, (including shop management and entrepreneurship). Students will be introduced to diagnostic scan tools, suspension systems and alignment. Designed to meet and follow the National standards set by ASE/NATEF.

Prerequisite: Introduction to Automobiles

Cost to Student: \$20.00

PARTICULAR TOPICS IN AUTOMOTIVE TECHNOLOGY (Automotive Service—Auto III)

Graduation Credit: Elective/Career Cluster/Workplace

This course provides instruction in particular topics in the field of auto technology. Although, typically covering the diagnosis and repair of automobiles, these courses concentrate upon or emphasize a particular system or condition, such as transmissions, brakes, fuel, exhaust, or electrical systems.

Prerequisite: Teacher Recommendation

COMPUTER SCIENCE & GAME DESIGN

COMPUTER SCIENCE

Prerequisite: None

Graduation Credit: Elective/Career Cluster

Learn how to make cell phone apps, program music, make animation, and more. This project-based course emphasizes the basics of computer programming and problem solving. Students in this course will learn how to write and control basic computer programs and create animations using 2D and 3D programming software, as well as learning the basics behind computers, the internet, and cell phone/computer apps. Additional units include artificial intelligence, robotics, and computers and society.

AP COMPUTER SCIENCE PRINCIPLES

Prerequisite: Computer Science & English I

Graduation Credit: Elective/Career Cluster

The newest AP course. AP Computer Science Principles. The project-based course introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact their own creative projects and will explore the impacts of technology on our lives.

TECH ED RS-VIDEO GAME DESIGN

Prerequisite: None

Graduation Credit: Elective

This course exposes students to the new technologies that affect our technological society. The course will study the evolution of electronic game design, the careers available within the industry, and the college programs available to prepare them for entry to the career field. Students will produce a variety of different type of games.

CREATIVE MEDIA TECHNOLOGY

COMPUTER GRAPHICS

Graduation Credit: Elective/Career Cluster

This course introduces the student to the methods and tools used in graphic design applications. This course will present the basic software concepts of Adobe In Design and Photoshop and illustrator enabling students to create various multimedia projects.

Prerequisite: None

BUSINESS OF PHOTOGRAPHY

Graduation Credit: Elective/Career Cluster

This course is designed for students to learn to take better pictures, and edit them in Photoshop. In this class students will learn about digital camera operation, composition techniques, and basic image editing.

Prerequisite: None

Cost to Student: \$10.00

MASS MEDIA—Communication I & II—Production III

Graduation Credit: Elective/Career Cluster

This course students will focus on the production of “Mayfield Magnified,” a school focused series with student produced episodes. Students will use “Technology and Works” at an advanced pace. This course focuses on improvement of presentation and evaluative skills in relation to broadcast journalism and creative film technology. Students will recognize, evaluate, and choose between various techniques for the most appropriate delivery of a particular message. Students will be required to produce pieces for competition, broadcast, and/or advertising.

Prerequisite: Teacher Approval

Cost to Student: \$10.00 plus T-shirt

USB Drive & SD Card (4 GB or higher)

YEARBOOK PRODUCTION I-IV

Graduation Credit: Elective

This course is for students to help create the school yearbook. In this class, you will learn how to design, produce, and market the book. Everyone will take pictures, conduct interviews, write body copy and captions, and design layouts. Students in this course must be able to meet deadlines, work well with others, and spend time covering events outside of the school day. ***Business of Photography is strongly encouraged before taking this course.***

Prerequisite: Teacher Approval

Cost to Student: \$30.00 plus T-shirt & workshop

CRIMINAL JUSTICE & LAW ENFORCEMENT

LEGAL SYSTEM

Graduation Credit: Elective

This course examines the working of the U.S. criminal and civil justice systems, including an understanding of civil and criminal law. The course also provides the legal process, structures and procedures of courts, and the role of various legal or judicial agencies. Although the emphasis is placed on the legal process, the history, and the foundation of U.S. laws (Constitution, statutes, and precedents) may also be included. Content may also include contemporary problems in the criminal justice system.

Prerequisite: None

PSYCHOLOGY

Graduation Credit: Elective

This course introduces students to the study of individual human behavior. Course content typically includes, but not limited to, an overview of the field of psychology, topics in human growth and development, personality and behavior, and abnormal psychology.

Prerequisite: 10th—12th Grade

AP PSYCHOLOGY

Graduation Credit: Elective

This course is designed to parallel an introductory college level psychology course. AP psychology courses introduce students to the systematic and scientific study of behavior and mental processes of human beings and other animals, expose students to each of the major sub-fields within psychology, and enable students to examine the methods psychologist use in their science and practice. This course is intended to prepare students for the optional Advanced Placement Exam in this subject and should follow the published College Board guidelines.

Prerequisite: Psychology

Cost to Student: AP Exam

CULINARY ARTS

NUTRITION—Food Science

Graduation Credit: Elective/Career Cluster

Prerequisite: None

Cost to Student: \$15.00 per semester & \$10.00 Required Food Handlers License

This course will cover basic nutrition, food purchasing, preparation terms and techniques for following a recipe. This course is designed to assist students in healthy choices in food selection and preparation, emphasizing consumer and personal management skills, organizational, time management and teamwork skills.

PROSTART (Culinary I)

Graduation Credit: Elective/Career Cluster

Prerequisite: Nutrition—Food Science

Cost to Student: \$15.00 per semester & \$10.00 Required Food Handlers License

This course is a sequential course designed to introduce students to industry standards such as customer relation, accounting, food cost controls and marketing. Students are also encouraged to explore a wide variety of careers found in the hospitality and restaurant industries. Students are trained in the National Restaurant Association ServSafe Program. (Co-sponsored by the National Restaurant Association Education Foundation). The handlers license is good for 3 years.

PROSTART (Culinary II)

Graduation Credit: Elective/Career Cluster

Prerequisite: Successful Completion of Nutrition—Food Science and ProStart 1

ProStart Year 2 course is designed for students pursuing careers in hospitality/food service industry. It a continuation of ProStart 1 which focuses on more advanced food preparation skills and techniques. Students will learn restaurant industry standards such as customer relations, management, culinary skills development through various food preparation, demonstrations, presentation and research throughout the course. Students will develop real world hands-on skills. Nationally recognized ProStart certification is available upon successful completion of exam.

Introduction to Hospitality and Tourism:

Graduation Credit: Elective/Career Cluster

Prerequisite: None

Cost to Student: \$15.00 per semester

This Program introduces students to the four segments of the hospitality industry with a focus on customer service and career development. Students are also encouraged to explore a wide variety of careers found in the hospitality and restaurant industries, hotels, travel and tourism agencies, and recreation and entertainment facilities.

DUAL CREDIT

DUAL CREDIT—DACC

Prerequisite: 11th or 12th Grade

To be eligible for the DACC Dual Credit Program you must:

1. Be in 11th or 12th Grade enrolled at least half time at Mayfield High School
2. Have a high school GPA of 2.0 and must maintain a 2.0 HS GPA, while enrolled in dual credit
3. Must pass ONE of the following testing requirements:
 - Option #1: NEW PSAT Total Score of 860
 - Option #2: Accuplacer Score: Pass Two out of the three sections as follows:
(The first assessment there will be no charge to the student. Students who retest will have a fee assessed. Students will not be able to retest for 30 days).
 - *Math = CCDM114N
 - *Reading = CCDR105N
 - *Writing–Integrated = CCDE110N/ENGL11G (linked)
 - Option #3: ACT Composite Score of 15
 - Option #4: PLAN Composite Score of 18
4. Maintain a minimum grade point average of 2.0 in your dual credit courses to continue in the program.

For a complete list, please visit <http://dacc.nmsu.edu/DUALCREDIT/DACC-NEW-STUDENTORIENTATION>. Click onto Las Cruces Public Schools courses to see the Programs of Study and courses offered at DACC for dual credit.

DUAL CREDIT—NMSU

Prerequisite: 11th or 12th Grade

To be eligible for the DACC Dual Credit Program you must:

1. Be in 11th or 12th Grade enrolled at least half time at Mayfield High School
2. Have a high school GPA of 3.0
3. ACT Composite Score of 21
4. SAT Equivalent
 - SAT 2016 spring and future—Total Score of 1130
5. If students have not taken the ACT, then they will accept the PSAT or the PLAN for their first semester.

A student must have the following PSAT/PLAN score:

PSAT—2015 and future Total Score of 860

PLAN = 18

This PSAT/PLAN score will only be good for one semester. In order for the student to continue on to their 2nd semester in the program, they will need an ACT/SAT on file. For students who attend one semester, take the ACT, and do not meet the required ACT score of 21, continuation in the program will be considered on a case-by-case basis, taking into consideration their high school GPA, testing scores and also their success/grades in their first semester main campus dual credit course.

6. A student must maintain a cumulative NMSU GPA of 2.0 to continue in the dual credit program.

For a complete list, please visit <http://dualcredit.nmsu.edu/courseselection/>. Click onto List of Approved Courses for Las Cruces Public Schools.

3 College Credits = 1 High School Elective

HEALTH & HEALTH SCIENCE, PHYSICAL EDUCATION AND SPORTS MEDICINE

HEALTH EDUCATION

Prerequisite: None

Graduation Credit: Health

This course provides knowledge and skills practice in a variety of health topics including the six CDC health risk behaviors, and must be aligned with the 9-12 PED Health Education content standards with benchmarks and performance standards. ***This course will meet the graduation requirement for Health Education.***

HEALTH CARE OCCUPATIONS CAREER I

Prerequisite: None

Graduation Credit: Elective/Career Cluster

This course is designed for students with a possible interest in medicine or the allied health field. Health Care Occupations Career Exploration courses expose students to the opportunities available in a variety of occupation clusters within the health care industry (such as, dental care, general and administrative services, lab technology, nursing, therapy, and vision care). Experiences in several of these occupational clusters may be provided, along with information and knowledge related to the health care industry as a whole.

HEALTH CARE OCCUPATIONS CAREER II

Prerequisite: Health

Graduation Credit: Elective/Career Cluster

Career Occupations 1

This class is designed to help students get a head start in the Health Care Profession of their choosing. From Medical Records to Brain Surgery and from Psychology to Physical Therapy, this class is structured to help students gain valuable insight into their primary interests. General themes will be addressed in a way that can be tailored to fit any health care field in depth. Students will also learn about medical knowledge and skills that are fundamental to medical care in general. Some of the goals of this class are developing an open view to the future of health care and personal growth in leadership. Additionally, students will be expected to have good writing skills for much of the class work

PHYSICAL EDUCATION (Required)

Prerequisite: None

Graduation Credit: PE Requirement

Cost to Student: \$10.00 for T-shirt fee

This course provides instruction and development of skills in human movement, physical activities, and physical fitness. Students will gain knowledge of different fitness activities, about anatomy, cardiovascular & muscular fitness. Students will be introduced to a variety of individual and dual sports, along with team sports, and lifelong activities, and gain a basic knowledge of different principals and methods to lead to an active lifestyle. Students **MUST** dress for PE on a daily basis.

WEIGHT LIFTING/WEIGHT TRAINING I & II

Graduation Credit: Elective

In this course students will learn and apply principles and techniques related to the components of health fitness: cardiovascular fitness, muscle strength & endurance, flexibility and body composition. Students will learn some anatomy and physiology of exercise, and will participate in an exercise program designed to promote health fitness. The course provides instruction and development of skills with free-weight stations. Students **MUST** dress for this class on a daily basis.

Prerequisite: PE Requirement

Cost to Student: \$10.00 Maintenance fee

FOOTBALL 9th, 10th, 11th, 12th

Graduation Credit: PE/Elective

This course is for student who are interested in football and have a high degree of fundamental and self-achievement skills. Students will have the opportunity to improve and develop these skills toward maximum personal goals. The course is designed for the student who wishes to develop coordination, power, speed, strength, and cardiovascular endurance. Classroom instruction will include weight training, advanced flexibility, agility drills, physical fitness, running skills, sport strategy, health care and nutrition.

Prerequisite: Coach Approval

BOYS BASKETBALL 9th, 10th, 11th, 12th

Graduation Credit: PE/Elective

This course is for student who are interested in basketball and have a high degree of fundamental and self-achievement skills. Students will have the opportunity to improve and develop these skills toward maximum personal goals. The course is designed for the student who wishes to develop coordination, power, speed, strength, and cardiovascular endurance. Classroom instruction will include weight training, advanced flexibility, agility drills, physical fitness, running skills, sport strategy, health care and nutrition.

Prerequisite: Coach Approval

GIRLS BASKETBALL 9th, 10th, 11th, 12th

Graduation Credit: PE/Elective

This course is for student who are interested in basketball and have a high degree of fundamental and self-achievement skills. Students will have the opportunity to improve and develop these skills toward maximum personal goals. The course is designed for the student who wishes to develop coordination, power, speed, strength, and cardiovascular endurance. Classroom instruction will include weight training, advanced flexibility, agility drills, physical fitness, running skills, sport strategy, health care and nutrition.

Prerequisite: Coach Approval

VOLLEYBALL 9th, 10th, 11th, 12th

Graduation Credit: PE/Elective

This course is for student who are interested in volleyball and have a high degree of fundamental and self-achievement skills. Students will have the opportunity to improve and develop these skills toward maximum personal goals. The course is designed for the student who wishes to develop coordination, power, speed, strength, and cardiovascular endurance. Classroom instruction will include weight training, advanced flexibility, agility drills, physical fitness, running skills, sport strategy, health care and nutrition.

Prerequisite: Coach Approval

SPORTS MEDICINE I—CTE

Graduation Credit: Elective

This course is a study and analysis of injuries commonly associated with athletes. The roles of the athletic trainer, physician and coach are examined as they relate to the physiological and psychological welfare of the athlete. The lab portion of the class will be integrated during the semester.

Prerequisite: None

Cost to Student: \$10.00

SPORTS MEDICINE II—CTE

Graduation Credit: Elective

This course is a continuation of Sports Medicine I. The roles of the athletic trainer, physician and coach are examined as they relate to the physiological and psychological welfare of the athlete. The lab portion of the class will be integrated during the semester.

Prerequisite: Sports Medicine I

Cost to Student: \$10.00

ATHLETIC TRAINING I—II

Graduation Credit: Elective

This course provides instruction and skill development in techniques of athletic training. Students enrolled in this course must be eligible for extracurricular activities. Prevention care, and rehabilitation of the injured athlete are the main focuses of this course. Attendance required for athletic practices and games.

Prerequisite: Instructor Approval

MODERN AND NATIVE LANGUAGES

FRENCH I

Prerequisite: None

Graduation Credit: Elective/Career Cluster

This course includes the study of basic French vocabulary and structure of common, everyday conversation. Students will be provided with experiences in listening comprehension, speaking, reading, and writing French. Students will be able to talk about everyday life and aspects of French culture, holidays and customs. Woven throughout these courses is the study of Paris and its major monuments, plus the countries and bodies of water bordering France as well as the main mountains and rivers of France.

FRENCH II

Prerequisite: French I

Graduation Credit: Elective/Career Cluster

This course students will be provided with more advanced experiences in understanding both spoken and written French. Students will develop greater speaking and writing competence. Cultural studies include an in-depth analysis of the most famous French provinces and their artistic, scientific, historic, athletic and economic contributions to France, their major cities and the most famous Chateaux of Loire Valley. Students will also get a view of French schools and average French student's daily schedule.

FRENCH III

Prerequisite: French II

Graduation Credit: Elective/Career Cluster

This course students will be provided with experiences to further develop listening, speaking, reading, and writing skills. Students will gain an understanding of selected French literature and keep a journal. Cultural studies include an in-depth analysis of the French-speaking overseas departments and territories, their history, major artistic, scientific, and athletic achievements, legends, traditions, and some Francophone literature.

AP FRENCH LANGUAGE & CULTURE

Prerequisite: French III

Graduation Credit: Elective/Career Cluster

Cost to Student: AP Exam

This course is a preparation for the AP French Language and Culture Exam. Students will be provided with experiences to refine listening, speaking, reading, and writing skills. This course will continue the development of students' knowledge towards successful completion of the AP French Language and Culture Program. This course will be following the College Board and National Standards, which are based on six themes: Global Challenges, Family and Communities, Public and Personal Identities, Beauty and Aesthetics, Science and Technology, Contemporary Life. Students will further study the products, practices and perspectives of French-Speaking communities compared to their own.

SPANISH I

Prerequisite: None

Graduation Credit: Elective/Career Cluster

This course is a beginning class and is designed for students with no knowledge or understanding of Spanish. The course includes basic exercise in listening, speaking, reading and writing. Students will also develop an appreciation and understanding of the Spanish culture and language. ***Students must try to converse in Spanish as language is acquired.***

SPANISH II

Prerequisite: Spanish I

Graduation Credit: Elective/Career Cluster

This course is a continuation of Spanish I. The class will continue working on listening, speaking, reading and writing skills at a more advanced level. The various cultures and dialects of Spanish-speaking countries will also be explored. ***Students must try to converse in Spanish.***

SPANISH III

Graduation Credit: Elective/Career Cluster

This course is an advanced intermediate class. Students will have an opportunity to develop advanced skills in the Spanish language and culture. Emphasis will be focused on grammar, vocabulary and culture. Various media such as videos, music and art will be included to enhance the language, and the culture. ***Students must converse in Spanish***

Prerequisite: Spanish II

SPANISH IV

Graduation Credit: Elective/Career Cluster

This course is a more advanced course, and is considered a Pre-Advance Placement Course. Students will be exposed to advanced language skills, and culture through authentic print, and audio resources in order to become familiar with selected Hispanic literature and history. Authentic sources will be used to increase vocabulary and language skills. In depth grammar study will be included. ***This course is taught completely in Spanish.***

Prerequisite: Spanish III

AP SPANISH LANGUAGE

Graduation Credit: Elective/Career Cluster

This course is designed to parallel third year college level courses in this category building upon prior knowledge and develop students' ability to understand others and express themselves (in Spanish) accurately, coherently, and fluently in both formal and informal situations. Upon completing these courses, students will develop a large enough vocabulary to understand literary texts, magazine/newspaper articles, films and television productions, and so on. This course is intended to prepare students for the optional Advanced Placement Exam in this subject and show follow the published College Board guidelines. ***This course is taught completely in Spanish.***

Prerequisite: Spanish III or Spanish IV or Teacher Approval

Cost to Student: AP Exam

AP SPANISH LITERATURE

Graduation Credit: Elective/Career Cluster

This course is designed to parallel college level Introduction to Hispanic Literature courses (offered at a third year level); AP Spanish Literature courses cover representative works from the literature of Spain and Spanish America, encompassing all genres. The course builds students' Spanish language proficiency, so that they are able to read and understand moderately difficult prose and to express critical opinions and literary analyses in oral and written Spanish (an ability equivalent to having competed a third year college level Spanish Language course). This course is intended to prepare students for the optional Advanced Placement Exam in this subject and should follow the published College Board guidelines. ***This course is taught completely in Spanish.***

Prerequisite: Spanish III or Spanish IV or Teacher Approval

Cost to Student: AP Exam

NM BILINGUAL/BILITERACY SEAL

Graduation Credit: Elective/Career Cluster

Students have the opportunity of earning the Bilingual/Biliteracy Seal of the State of New Mexico, which is embossed onto their high school diploma. The seal certifies them as Bilingual/Trilingual, etc. and it makes them more marketable and gives them advantage over their monolingual peers regarding career and scholarship/college opportunities. Non-native speakers of Spanish, French, and German need 4 years of the same language, and native speakers of any language other than English can apply to take other accelerated paths. See instructors for clarification.

Prerequisite: 12th

NON-DEPARTMENTAL ELECTIVES

DRIVER EDUCATION

Prerequisite: None

Graduation Credit: Elective

This course is designed to meet the required New Mexico Traffic Safety Bureau's NON-DRIVING portion of licensing. The course offers lecture and audiovisual presentations. The class meets either before school or after school. After four weeks students may be eligible to receive a learner's permit. Upon successful completion of the course, students will receive a certificate of completion.

*It is required for anyone under the age of 18, before receiving a New Mexico driver's license.

Students must be 15 years old before class begins, a grade of "C" or better must be maintained, and classes must be attended regularly in order to receive certification for underage licensure. This course will be given a Satisfactory/Unsatisfactory grade. Registration for this course will occur at the beginning of the school year and throughout the school year as availability occurs.

ENLACE I

Prerequisite: Teacher Approval

Graduation Credit: Elective

10th Grade

Engaging Latino Communities for Education (ENLACE)

Students will acquire university level study skills and techniques while developing a deeper understanding of the history and culture in our region. Examples of topics are: personal learning styles, memorization techniques, note-taking strategies. The course will also guide students through the process of researching and planning for entrance into any post-secondary school, as well as giving students opportunities to experience university life. Students will have access to campus resources and be given opportunities to take part in various events on campus throughout the school year.

ENLACE II

Prerequisite: Teacher Approval

Graduation Credit: Elective

11th Grade

This course guides students through the process of action research and planning to enter higher education. Level II objectives: Action research, community outreach, and serving as peer mentors to Level I students.

ENLACE III

Prerequisite: Teacher Approval

Graduation Credit: Elective

12th Grade

This course guides students through the process of action research and planning to enter higher education. Level III objectives: Action research, project based learning, community outreach, and serve as peer mentors to Level I and II students.

GUIDANCE OFFICE ASSISTANT

Prerequisite: Counselor Approval

Graduation Credit: Elective

11th or 12th Grade

The responsibilities of the guidance office assistant include: helping with attendance, delivering messages, working on special office projects, and answering the main office phone.

This course will be given a Satisfactory/Unsatisfactory grade.

LIBRARY ASSISTANT

Graduation Credit: Elective

The responsibilities of the library office assistant include: assisting students with computers, checking materials in and out and processing and shelving books and delivering messages. Assistants will also work on special library media projects such as creating displays, bulletin boards, and desktop publishing documents for use in the library. ***This course will be given a Satisfactory/Unsatisfactory grade.***

Prerequisite: Counselor Approval or Librarian Approval 11th or 12th Grade

NIGHT SCHOOL

Graduation Credit: Elective

This course is offered for students for credit recovery. The LCPS will be using a credit recovery curriculum through APEX Learning. This system is designed for credit recovery in an on-line environment. Students will have an LCPS teacher as their instructor. The LCPS teacher is responsible for assigning, testing, and grading the work. The LCPS will be offer 4 sessions of night school to students, which will start shortly after school starts in August and will end shortly before the school year ends. Classes that will be offered are in English, Mathematics, Science, Social Studies, and Health. ***For more information, students should see their counselor.***

Prerequisite: None

Cost to Student: \$50.00 per half credit

NO CLASS

Graduation Credit: No Credit

In order for students to participate in no class, they must be enrolled in 1 AP course. Qualifying Seniors may have two off periods, but must be enrolled in 5 classes at any given time throughout the year, and must be on track to graduate.

Prerequisite: Administrator Approval 12th Grade ONLY

TEACHER ASSISTANT

Graduation Credit: Elective

The responsibilities of the teacher assistant is to assist the teacher as needed. ***This course will be given a Satisfactory/Unsatisfactory grade.***

Prerequisite: Teacher Approval 11th or 12th Grade

WORK EXPERIENCE I AND II

Graduation Credit: Elective

This course provides general work experience, and emphasizes career guidance, job search, application, and employability skills (including refining academic and job skills and developing positive work attitudes). Students are employed, but their employment is not necessarily related to a particular vocational program or course of study. Students will provide the Guidance Office with a payroll stub when they receive their check, which will then be recorded for a students grade and credit. ***Students MUST show proof of already having valid employment, which can be done by providing proof of employment such as a W-2 Form or paycheck stub. S***

Prerequisite: Counselor Approval 11th or 12th Grade

Students will need the following per semester:

1 credit hour = 122 hours worked per semester

2 credit hours = 244 hours worked per semester

PERFORMING ARTS—Band & Instrumental

AP MUSIC THEORY

Graduation Credit: Elective

This course develops students' understanding of musical structure and compositional procedures. Usually intended for students already possessing performance level skills. AP Music Theory extends and builds upon students' knowledge of intervals, scales, chords, metric/rhythmic patterns, and their interaction in a composition. Musical notation, analysis, composition and aural skills are important components of the course. This course is intended to prepare students for the optional Advanced Placement Exam in this subject, and follows the published College Board guidelines.

Prerequisite: None

Cost to Student: AP Exam

BAND FUNDAMENTAL

Graduation Credit: Elective

This course develops students techniques for playing brass, woodwind, and percussion instruments, and covers a variety of non-specified band literature styles.

Prerequisite: None

CONCERT BAND

Graduation Credit: Elective

This course develops students techniques for playing brass, woodwind, and percussion instruments, and covers a variety of non-specified band literature styles.

9th Grade

CONCERT BAND

Graduation Credit: Elective

This course develops students techniques for playing brass, woodwind, and percussion instruments, and covers a variety of non-specified band literature styles.

10th – 12th Grade

SYMPHONIC/MARCHING BAND

Graduation Credit: Fall Semester/Required PE/Elective

In this course students will perform at football games, parades, festivals, competitions and other in and out of town events. Students must be concurrently enrolled in zero hour marching band. Students will study music and marching fundamentals culminating in the presentation of a field production. Students are required to attend summer band in July prior to the beginning of school. ***Attendance at additional rehearsals and performances is required.***

9th – 12th Grade

Prerequisite: Teacher Approval

Cost to Student: See Instructor

JAZZ BAND

Graduation Credit: Elective

In this course students will study and perform jazz music composed for traditional jazz instruments. Students will study all style periods, fundamentals of music and learn improvisational skills. The band will perform at concerts, festivals and possibly travel to an out of town event. Participants in jazz band must be concurrently enrolled in Concert band and/or Symphonic band. ***Attendance at additional rehearsals and performances is required.***

Prerequisite: Teacher Approval

Cost to Student: See Instructor

MUSIC HISTORY/APPRECIATION

Graduation Credit: Elective

This course surveys different Musical Styles and periods with the intent of increasing enjoyment of different musical styles and/or developing an artistic or technical judgement. Music History/ Appreciation courses may also focus on developing an understanding of a particular style or period.

Prerequisite: None

PIANO I & II

Graduation Credit: Elective

This course is a self-paced, individually monitored class in the study of piano. No previous music background is necessary for this class.

Prerequisite: Piano I—None

Prerequisite: Piano II—Piano I

WINTER GUARD 9th, 10th, 11th, 12th

Graduation Credit: Required PE/Elective

This course will focus on dance, flag and rifle technique, and will meet outside of the regular school day. Students will learn and present an indoor Winter Guard production and perform at in and out of town competitions. Sign up will occur in the fall semester. ***Attendance at additional rehearsals and performance is required.***

Prerequisite: None

Cost of Student: See Instructor

PERFORMING ARTS—Choir

TREBLE CHOIR 9th, 10th, 11th, 12th (Female Choir)

Graduation Credit: Elective

This course is Treble Choir and is an entry level treble ensemble that requires no audition. Attendance at extra rehearsals and concerts is required as part of the grade. Students will study and perform choral music of all historical time periods and cultures balancing both secular and sacred. Students will study pitch, notes, rhythm, tone and solfege sight reading. In addition, to concerts, the student will participate in district festivals. A spring trip is optional. ***Attendance at additional rehearsals and performances is required.***

Prerequisite: None

Cost to Student: See Instructor

VOCAL MUSIC 9th, 10th, 11th, 12th (Male Choir)

Graduation Credit: Elective

This course is Vocal Music and is an entry level treble ensemble that requires no audition. Attendance at extra rehearsals and concerts is required as part of the grade. Students will study and perform choral music of all historical time periods and cultures balancing both secular and sacred. Students will study pitch, notes, rhythm, tone and solfege sight reading. In addition, to concerts, the student will participate in district festivals. A spring trip is optional. ***Attendance at additional rehearsals and performances is required.***

Prerequisite: None

Cost to Student: See Instructor

CONCERT CHOIR LEVEL 9th, 10th, 11th, 12th

Graduation Credit: Elective

This course is Concert Choir and is an advanced mixed ensemble requiring an audition. Attendance at extra rehearsals and concerts is required as part of the grade. Students will study and perform choral music of all historical time periods and cultures balancing both secular and sacred. Students will study pitch, notes, rhythm, tone and solfege sight reading. In addition, to concerts, the student will participate in district festivals. A spring trip is optional. ***Attendance at additional rehearsals and performances is required.***

Prerequisite: Teacher Approval

Cost to Student: See Instructor

PERFORMING ARTS—Orchestra

ORCHESTRA FUNDAMENTALS 9th

Graduation Credit: Elective

This course is freshman orchestra and is an ensemble class for all entering ninth graders. There is no audition, but previous playing experience is required. Attendance at extra rehearsals and concerts is required as part of the grade. Students will study and perform music from all style periods, fundamentals of music, technique and sight reading.

Prerequisite: Orchestra Experience

Cost to Student: \$50.00 Lab Fee &

\$15.00 Uniform Fee and Cost of Instrument

ORCHESTRA 10th, 11th, 12th

Graduation Credit: Elective

This course is an entry level ensemble that requires no audition. Attendance at extra rehearsals and concerts is required as part of the grade. Students will study and perform music from all style periods, fundamentals of music, technique and sight reading.

Prerequisite: Orchestra Experience

Cost to Student: \$50.00 Lab Fee &

\$15.00 Uniform Fee and Cost of Instrument

ORCHESTRA—ADVANCED 9th, 10th, 11th, 12th

Graduation Credit: Elective

This course is an advanced chamber ensemble and requires students to audition. Students will present concerts, participate in district festivals, and travel to other music festivals. Students will study and perform music from all style periods, fundamentals of music, technique and sight reading.

Prerequisite: Teacher Approval

Cost to Student: See Instructor

SYMPHONY ORCHESTRA 9th, 10th, 11th, 12th

Graduation Credit: Elective

This course is an advanced ensemble requiring an audition. (Audition maybe waived for students currently enrolled in Orchestra—Advanced). Students must also be enrolled concurrently in their respective ensembles. Symphony Orchestra meets “zero” hour before and after the school day. Students will study symphonic literature and repertoire from all style periods, fundamentals music, technique and sight reading.

Prerequisite: Teacher Approval

Cost to Student: See Instructor

PERFORMING ARTS—Theatre

DRAMA—Acting/Performance 9th, 10th, 11th, 12th

Graduation Credit: Elective

This course is intended to promote students' experience and skill development in one or more aspect of theatrical production, but concentrate on acting and performance skills. Students are exposed to different types of theatrical techniques and traditions and requiring participating in public productions. Students are invited to competitions and festivals, but are not required attendance. ***Attendance at rehearsals, performances, and local performances is required.***

Prerequisite: None for Drama I

Prerequisite: Drama II & III

DRAMA—Stagecraft—Independent Study 9th, 10th, 11th, 12th

Prerequisite: Teacher Approval Graduation Credit: Elective

Auditions only

This course students will put skills learned in previous classes into practice by producing full scale performances throughout the school year. Students learning will be highly individualized, as they increase skills in one or more of the following areas: lighting, sound, costume/scene design and construction, make-up, stage management, acting, choreography, or musical theatre. Students are required to participate in competitions and festivals. Attendance at additional rehearsals and performances is required. Students should be enrolled in the fall and spring. *Auditions will be held at the end of the spring semester for the following school year. Actors will perform a prepared monologue. Tech will present their portfolio or bring examples of their work.

DRAMA—Stagecraft 9th, 10th, 11th, 12th

Graduation Credit: Elective

Prerequisite: None for Drama/Stagecraft I

Prerequisite: Drama/Stagecraft II & III

Cost to Student: See Instructor

This course is intended to promote students' experiences and skill development in one or more aspect of theatrical production, such as costuming, writing, lighting, sound, construction, and/or design. Competitions and festivals are recommended. ***Attendance at rehearsals, performances and local performances is required.***

SPECIAL EDUCATION

These courses are specific for students with IEP's in a low incidence program. NOTE: Most special education courses can be described using the descriptions from the appropriate subject area and a level code of 2 to denote that the class is adapted in some manner to accommodate students' special needs. The following course descriptions are specific to each students' Individual Education Plan (IEP).

CAREER EXPLORATION I—VIII

COMMUNICATION INSTRUCTION I—VIII

COMMUNITY LIVING I—VIII

EMPLOYABILITY SKILLS I—VIII

DEVELOPMENTAL COMMUNICATION GENERAL SCIENCE I—VIII

DEVELOPMENTAL COMMUNICATION LANGUAGE ARTS I—VIII

DEVELOPMENTAL COMMUNICATION MATH I—VIII

DEVELOPMENTAL COMMUNICATION SOCIAL STUDIES I—VIII

LIFE SKILLS GENERAL SCIENCE I—VIII

LIFE SKILLS LANGUAGE ARTS I—VIII

LIFE SKILLS MATH I—VIII

LIFE SKILLS SOCIAL STUDIES I—VIII

MOBILITY INSTRUCTION I—VIII

VISUAL ARTS—Creative 2D

INTRODUCTION TO ART

Graduation Credit: Elective

This course introduces students to a variety of tools, materials, skills and techniques through the elements and principals of design. Students will learn to critique their work of others.

Prerequisite: None

Cost to Students: \$35.00 for School Year

CREATIVE ART—DRAWING/PAINTING I

Graduation Credit: Elective

This course provides students with the knowledge and opportunity to explore an art form and to create individual works of art related to drawing and painting. Career opportunities in the art world may also be discussed and explored. Covers the language, materials, and processes of a particular art form and the design elements and principles supporting a work of art. As students advance and become more adept, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic styles. Although the focus of creative art courses is creation, the study of major artists, art movements, and styles may also be included. Intermediate studio art for the advancing student focusing on further development of Elements and Principles.

Prerequisite: Introduction to Art

Cost to Students: \$35.00 for School Year

CREATIVE ART: COMPREHENSIVE

Graduation Credit: Elective

This course is advanced art production for mature art students. This course provides students with the knowledge and opportunity to explore an art form and to create individual works for art related to drawing and painting. Career opportunities in the art world may also be discussed and explored. Covers the language, materials, and processes of a particular art form and the design elements and principles supporting a work of art. As students advance and become more developed of their own artistic styles. Although the focus of creative art courses is creation, the study of major artists, art movements, and styles may also be included.

*Prerequisite: Creative Art/Drawing/
Painting I*

Cost to Students: \$35.00 for School Year

VISUAL ARTS—Creative 3D

CRAFTS I—JEWELRY

Graduation Credit: Elective

In this course the student will study the history of jewelry and basic design principles. There will be an introduction to tools, processes, and aesthetics of jewelry and metal work. Students will learn a variety of techniques including, but not limited to piercing, sawing, soldering, riveting, stone setting, die forming, and etching. Assignments will range from simple sample to complex piece of jewelry.

Prerequisite: None

Cost to Students: \$35.00 for School Year

CRAFTS II—JEWELRY

Graduation Credit: Elective

This course is a continuation of the beginning Jewelry course. Students will work on various projects independently. Students will be introduced to advanced silver work techniques in doming, overlay, inlay, stone setting and lost wax casting processes.

Prerequisite: Crafts I—Jewelry

Cost to Students: \$35.00 for School Year

CERAMICS I

Graduation Credit: Elective

This course focuses on creating three-dimensional works out of clay and ceramic material. Particular attention is paid to the characteristics of the raw materials, the transformation under heat, and the various methods by which objects are created and finished. Students will work with coil, slab, pinch and throwing methods of clay construction.

Prerequisite: None

Cost to Students: \$30.00

CERAMICS II

Graduation Credit: Elective

This course continues exploring more complex uses of hand building techniques while concentrating on wheel throwing, handle pulling, lid construction and more complex techniques will be developed. The creative aspects of ceramics will be stressed.

Prerequisite: Ceramics I

Cost to Students: \$35.00

CERAMICS III

Graduation Credit: Elective

In this course students will concentrate on the creative aspects of ceramics. Glazing, kiln working and advanced throwing projects will allow deeper exploration of the ceramic medium. This is a self-directed course of study requiring maturity, skill and creativity.

Prerequisite: Ceramics II

Cost to Students: \$35.00 to \$40.00

VISUAL ARTS—INDEPENDENT STUDY

Graduation Credit: Elective

In this course students will complete projects through the approved Independent Study. This class is a prerequisite for AP Art courses.

Prerequisite: Ceramics III

Cost to Students: \$35.00 to \$50.00

AP STUDIO ART: 3D DESIGN

Graduation Credit: Elective

This course is to assist students to develop a portfolio demonstrating a broad interpretation of sculptural issues in depth and space. These may include mass, volume, form, plane, light, and texture. This course is intended to prepare students for the optional Advanced Placement Exam in this subject and should follow the published College Board guidelines. ***Students must be concurrently enrolled in Ceramics-Pottery III or Visual Arts Independent Study.***

Prerequisite: See below

Cost to Students: \$35.00 to \$50.00, plus

Cost to Student: AP Exam

PROGRAMS OF STUDY

The State of New Mexico requires that students develop a Next Step Plan, beginning in the spring of 8th grade. This plan, which is to be developed collaboratively between the student, parents, and a school designee. Students will align their academic choices to their post-graduation college and career goals. ***The Next Step Plan is completed each year during the pre-registration process we call CAP (Career Advisement Program).***

Opportunities for exploration and skill development are abundant in courses at Mayfield High School in cooperation with Dona Ana Community College (DACC) and New Mexico State University (NMSU), and other post-secondary institutions. Additional experience is gained through EXCEL and EXCEL Plus.

AGRICULTURE: Small Animals

SUBJECT	9th Grade	10th Grade	11th Grade	12th Grade
ENGLISH	English or Honors English	English or Honors English	English or AP Language	English or AP Literature
MATH	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Applied Math Algebra II or Honors Algebra II AP Calculus AB & BC	Algebra II or Honors Algebra II Transition to College Math
SCIENCE	Biology or Honors Biology	Chemistry or Honors Chemistry	Physics or AP Physics AP Biology/Advanced Biology	AP Chemistry/Adv. Chemistry AP Biology/Advanced Biology Forensics AP Physics Anatomy & Physiology
SOCIAL STUDIES	New Mexico History & Health	World History or AP World History	U.S. History or AP U.S. History	Principles of Democracy-DL or AP Government
OTHER	Required PE			
ELECTIVES	Foreign Language Introduction to AG Mechanics Nutrition-Food Services	Foreign Language Introduction to AG Mechanics Nutrition-Food Services	Foreign Language Introduction to AG Mechanics Nutrition-Food Services	Foreign Language Introduction to AG Mechanics Nutrition-Food Services
Career Pathway	Introduction to Agriculture	Science of Small Animals	Veterinary Science ACE or Dual Credit	ACE or Dual Credit
DISTANCE LEARNING & DUAL CREDIT			<i>Students should take Dual Credit opportunities, which will support their career interest they are pursuing. Please see your counselor for more information.</i>	

AGRICULTURE: Building Construction Technology

SUBJECT	9th Grade	10th Grade	11th Grade	12th Grade
ENGLISH	English or Honors English	English or Honors English	English or AP Language	English or AP Literature
MATH	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Applied Math Algebra II or Honors Algebra II AP Calculus AB & BC	Algebra II or Honors Algebra II Transition to College Math
SCIENCE	Biology or Honors Biology	Chemistry or Honors Chemistry	Physics or AP Physics AP Biology/Advanced Biology	AP Chemistry/Adv. Chemistry AP Biology/Advanced Biology Forensics AP Physics Anatomy & Physiology
SOCIAL STUDIES	New Mexico History & Health	World History or AP World History	U.S. History or AP U.S. History	Principles of Democracy-DL or AP Government
OTHER	Required PE			
ELECTIVES	Introduction to Engineering Principals of Engineering Introduction to Agriculture Foreign Language	Introduction to Engineering Principals of Engineering Introduction to Agriculture Foreign Language	Introduction to Engineering Principals of Engineering Introduction to Agriculture Foreign Language	Introduction to Engineering Principals of Engineering Introduction to Agriculture Foreign Language
Career Pathway	Introduction to Agricultural Mechanics	Welding	Metal Fabrication I ACE or Dual Credit	Metal Fabrication II ACE or Dual Credit
DISTANCE LEARNING & DUAL CREDIT			<i>Students should take Dual Credit opportunities, which will support their career interest they are pursuing. Please see your counselor for more information.</i>	

AGRICULTURE: Heating, Ventilation, Air-Conditioning & Refrigeration (HVAC-R)

SUBJECT	9th Grade	10th Grade	11th Grade	12th Grade
ENGLISH	English or Honors English	English or Honors English	English or AP Language	English or AP Literature
MATH	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Applied Math Algebra II or Honors Algebra II AP Calculus AB & BC	Algebra II or Honors Algebra II Transition to College Math
SCIENCE	Biology or Honors Biology	Chemistry or Honors Chemistry	Physics or AP Physics AP Biology/Advanced Biology	AP Chemistry/Adv. Chemistry AP Biology/Advanced Biology Forensics AP Physics Anatomy & Physiology
SOCIAL STUDIES	New Mexico History & Health	World History or AP World History	U.S. History or AP U.S. History	Principles of Democracy-DL or AP Government
OTHER	Required PE			
ELECTIVES	Foreign Language Introduction to Engineering Principles of Engineering Introduction to Agriculture	Foreign Language Introduction to Engineering Principles of Engineering Introduction to Agriculture	Foreign Language Introduction to Engineering Principles of Engineering Introduction to Agriculture	Foreign Language Introduction to Engineering Principles of Engineering Introduction to Agriculture
Career Pathway	Introduction to Agriculture Mechanics	Welding	Metal Fabrication I ACE or Dual Credit	Metal Fabrication II ACE or Dual Credit
DISTANCE LEARNING & DUAL CREDIT			<i>Students should take Dual Credit opportunities, which will support their career interest they are pursuing. Please see your counselor for more information.</i>	

AGRICULTURE: Water Technology

SUBJECT	9th Grade	10th Grade	11th Grade	12th Grade
ENGLISH	English or Honors English	English or Honors English	English or AP Language	English or AP Literature
MATH	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Applied Math Algebra II or Honors Algebra II AP Calculus AB & BC	Algebra II or Honors Algebra II Transition to College Math
SCIENCE	Biology or Honors Biology	Chemistry or Honors Chemistry	Physics or AP Physics AP Biology/Advanced Biology	AP Chemistry/Adv. Chemistry AP Biology/Advanced Biology Forensics AP Physics Anatomy & Physiology
SOCIAL STUDIES	New Mexico History & Health	World History or AP World History	U.S. History or AP U.S. History	Principles of Democracy-DL or AP Government
OTHER	Required PE			
ELECTIVES	Foreign Language Introduction to Engineering Principles of Engineering Introduction to Agriculture	Foreign Language Introduction to Engineering Principles of Engineering Introduction to Agriculture	Foreign Language Introduction to Engineering Principles of Engineering Introduction to Agriculture	Foreign Language Introduction to Engineering Principles of Engineering Introduction to Agriculture
Career Pathway	Introduction to Agriculture Mechanics or Introduction to Agriculture	Introduction to Agriculture Mechanics or Introduction to Agriculture	ACE or Dual Credit	ACE or Dual Credit
DISTANCE LEARNING & DUAL CREDIT			<i>Students should take Dual Credit opportunities, which will support their career interest they are pursuing. Please see your counselor for more information.</i>	

AGRICULTURE: Welding Technology

SUBJECT	9th Grade	10th Grade	11th Grade	12th Grade
ENGLISH	English or Honors English	English or Honors English	English or AP Language	English or AP Literature
MATH	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Applied Math Algebra II or Honors Algebra II AP Calculus AB & BC	Algebra II or Honors Algebra II Transition to College Math
SCIENCE	Biology or Honors Biology	Chemistry or Honors Chemistry	Physics or AP Physics AP Biology/Advanced Biology	AP Chemistry/Adv. Chemistry AP Biology/Advanced Biology Forensics AP Physics Anatomy & Physiology
SOCIAL STUDIES	New Mexico History & Health	World History or AP World History	U.S. History or AP U.S. History	Principles of Democracy-DL or AP Government
OTHER	Required PE			
ELECTIVES	Foreign Language Introduction to Engineering Principles of Engineering Introduction to Agriculture	Foreign Language Introduction to Engineering Principles of Engineering Introduction to Agriculture	Foreign Language Introduction to Engineering Principles of Engineering Introduction to Agriculture	Foreign Language Introduction to Engineering Principles of Engineering Introduction to Agriculture
Career Pathway	Introduction to Agricultural Mechanics	Welding	Metal Fabrication I ACE or Dual Credit	Metal Fabrication II ACE or Dual Credit
DISTANCE LEARNING & DUAL CREDIT			<i>Students should take Dual Credit opportunities, which will support their career interest they are pursuing. Please see your counselor for more information.</i>	

AIR FORCE—JROTC

SUBJECT	9th Grade	10th Grade	11th Grade	12th Grade
ENGLISH	English or Honors English	English or Honors English	English or AP Language	English or AP Literature
MATH	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Applied Math Algebra II or Honors Algebra II AP Calculus AB & BC	Algebra II or Honors Algebra II Transition to College Math
SCIENCE	Biology or Honors Biology	Chemistry or Honors Chemistry	Physics or AP Physics AP Biology/Advanced Biology	AP Chemistry/Adv. Chemistry AP Biology/Advanced Biology Forensics AP Physics Anatomy & Physiology
SOCIAL STUDIES	New Mexico History & Health	World History or AP World History	U.S. History or AP U.S. History	Principles of Democracy-DL or AP Government
OTHER	Required PE			
ELECTIVES	Foreign Language Introduction to Engineering Principles of Engineering Digital Electronics Psychology & AP Psychology Air Force JR Research Lab	Foreign Language Introduction to Engineering Principles of Engineering Digital Electronics Psychology & AP Psychology Air Force JR Research Lab	Foreign Language Introduction to Engineering Principles of Engineering Digital Electronics Psychology & AP Psychology Air Force JR Research Lab	Foreign Language Introduction to Engineering Principles of Engineering Digital Electronics Psychology & AP Psychology Air Force JR Research Lab
Career Pathway	Introduction to ROTC—Air Force	Military ROTC I—Air Force	Military Science—Air Force ACE or Dual Credit	Military Science—Adv. AF I ACE or Dual Credit
DISTANCE LEARNING & DUAL CREDIT			<i>Students should take Dual Credit opportunities, which will support their career interest they are pursuing. Please see your counselor for more information.</i>	

ARCHITECTURE, DRAFTING & DESIGN TECHNOLOGIES

SUBJECT	9th Grade	10th Grade	11th Grade	12th Grade
ENGLISH	English or Honors English	English or Honors English	English or AP Language	English or AP Literature
MATH	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Applied Math Algebra II or Honors Algebra II AP Calculus AB & BC	Algebra II or Honors Algebra II Transition to College Math
SCIENCE	Biology or Honors Biology	Chemistry or Honors Chemistry	Physics or AP Physics AP Biology/Advanced Biology	AP Chemistry/Adv. Chemistry AP Biology/Advanced Biology Forensics AP Physics Anatomy & Physiology
SOCIAL STUDIES	New Mexico History & Health	World History or AP World History	U.S. History or AP U.S. History	Principles of Democracy-DL or AP Government
OTHER	Required PE			
ELECTIVES	Foreign Language Computer Graphics Introduction to Art Engineering Design & Development	Foreign Language Computer Graphics Introduction to Art Engineering Design & Development	Foreign Language Computer Graphics Introduction to Art Engineering Design & Development	Foreign Language Computer Graphics Introduction to Art Engineering Design & Development
Career Pathway	Introduction to Engineering	Principles of Engineering	Civil Engineering & Architecture ACE or Dual Credit	Engineering Design ACE or Dual Credit
DISTANCE LEARNING & DUAL CREDIT			<i>Students should take Dual Credit opportunities, which will support their career interest they are pursuing. Please see your counselor for more information.</i>	

ARTS—Band

SUBJECT	9th Grade	10th Grade	11th Grade	12th Grade
ENGLISH	English or Honors English	English or Honors English	English or AP Language	English or AP Literature
MATH	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Applied Math Algebra II or Honors Algebra II AP Calculus AB & BC	Algebra II or Honors Algebra II Transition to College Math
SCIENCE	Biology or Honors Biology	Chemistry or Honors Chemistry	Physics or AP Physics AP Biology/Advanced Biology	AP Chemistry/Adv. Chemistry AP Biology/Advanced Biology Forensics AP Physics Anatomy & Physiology
SOCIAL STUDIES	New Mexico History & Health	World History or AP World History	U.S. History or AP U.S. History	Principles of Democracy-DL or AP Government
OTHER	Required PE			
ELECTIVES	Foreign Language Piano I Vocal Music (Men's) Treble Choir (Women's) Concert Band I Music History/Appreciation AP Music Theory	Foreign Language Piano I Vocal Music (Men's) Treble Choir (Women's) Concert Band II Music History/Appreciation AP Music Theory	Foreign Language Piano I Vocal Music (Men's) Treble Choir (Women's) Symphonic Band III Music History/Appreciation AP Music Theory	Foreign Language Piano I Vocal Music (Men's) Treble Choir (Women's) Symphonic Band IV Music History/Appreciation AP Music Theory
Career Pathway	Concert Marching Band I	Concert Marching Band II	Symphonic Band III ACE or Dual Credit	Marching Band IV ACE or Dual Credit
DISTANCE LEARNING & DUAL CREDIT			<i>Students should take Dual Credit opportunities, which will support their career interest they are pursuing. Please see your counselor for more information.</i>	

ARTS—Choir

SUBJECT	9th Grade	10th Grade	11th Grade	12th Grade
ENGLISH	English or Honors English	English or Honors English	English or AP Language	English or AP Literature
MATH	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Applied Math Algebra II or Honors Algebra II AP Calculus AB & BC	Algebra II or Honors Algebra II Transition to College Math
SCIENCE	Biology or Honors Biology	Chemistry or Honors Chemistry	Physics or AP Physics AP Biology/Advanced Biology	AP Chemistry/Adv. Chemistry AP Biology/Advanced Biology Forensics AP Physics Anatomy & Physiology
SOCIAL STUDIES	New Mexico History & Health	World History or AP World History	U.S. History or AP U.S. History	Principles of Democracy-DL or AP Government
OTHER	Required PE			
ELECTIVES	Foreign Language Piano I Concert Choir—I—VIII AP Music Theory Music History/Appreciation	Foreign Language Piano I Concert Choir—I—VIII AP Music Theory Music History/Appreciation	Foreign Language Piano I Concert Choir—I—VIII AP Music Theory Music History/Appreciation	Foreign Language Piano I Concert Choir—I—VIII AP Music Theory Music History/Appreciation
Career Pathway	Treble I or Vocal Music I	Treble II or Vocal Music II	Treble III or Vocal Music III ACE or Dual Credit	Treble IV or Vocal Music IV ACE or Dual Credit
DISTANCE LEARNING & DUAL CREDIT			<i>Students should take Dual Credit opportunities, which will support their career interest they are pursuing. Please see your counselor for more information.</i>	

ARTS—Orchestra

SUBJECT	9th Grade	10th Grade	11th Grade	12th Grade
ENGLISH	English or Honors English	English or Honors English	English or AP Language	English or AP Literature
MATH	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Applied Math Algebra II or Honors Algebra II AP Calculus AB & BC	Algebra II or Honors Algebra II Transition to College Math
SCIENCE	Biology or Honors Biology	Chemistry or Honors Chemistry	Physics or AP Physics AP Biology/Advanced Biology	AP Chemistry/Adv. Chemistry AP Biology/Advanced Biology Forensics AP Physics Anatomy & Physiology
SOCIAL STUDIES	New Mexico History & Health	World History or AP World History	U.S. History or AP U.S. History	Principles of Democracy-DL or AP Government
OTHER	Required PE			
ELECTIVES	Foreign Language Symphonic Orchestra Introduction to Theatre Piano I AP Music Theory Music History/Appreciation	Foreign Language Symphonic Orchestra Introduction to Theatre Piano I AP Music Theory Music History/Appreciation	Foreign Language Symphonic Orchestra Introduction to Theatre Piano I AP Music Theory Music History/Appreciation	Foreign Language Symphonic Orchestra Introduction to Theatre Piano I AP Music Theory Music History/Appreciation
Career Pathway	Orchestra Fundamentals	Orchestra II	Orchestra III ACE or Dual Credit	Orchestra IV ACE or Dual Credit
DISTANCE LEARNING & DUAL CREDIT			<i>Students should take Dual Credit opportunities, which will support their career interest they are pursuing. Please see your counselor for more information.</i>	

ARTS—Theatre—Acting

SUBJECT	9th Grade	10th Grade	11th Grade	12th Grade
ENGLISH	English or Honors English	English or Honors English	English or AP Language	English or AP Literature
MATH	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Applied Math Algebra II or Honors Algebra II AP Calculus AB & BC	Algebra II or Honors Algebra II Transition to College Math
SCIENCE	Biology or Honors Biology	Chemistry or Honors Chemistry	Physics or AP Physics AP Biology/Advanced Biology	AP Chemistry/Adv. Chemistry AP Biology/Advanced Biology Forensics AP Physics Anatomy & Physiology
SOCIAL STUDIES	New Mexico History & Health	World History or AP World History	U.S. History or AP U.S. History	Principles of Democracy-DL or AP Government
OTHER	Required PE			
ELECTIVES	Foreign Language Piano I Introduction to Art AP Music Theory Treble and/or Vocal Music	Foreign Language Piano I Introduction to Art AP Music Theory Treble and/or Vocal Music	Foreign Language Piano I Introduction to Art AP Music Theory Treble and/or Vocal Music	Foreign Language Piano I Introduction to Art AP Music Theory Treble and/or Vocal Music
Career Pathway	Drama-Acting Performance I	Drama-Acting Performance I	Drama-Acting Performance I ACE or Dual Credit	Drama-Acting Performance I ACE or Dual Credit
DISTANCE LEARNING & DUAL CREDIT			<i>Students should take Dual Credit opportunities, which will support their career interest they are pursuing. Please see your counselor for more information.</i>	

ARTS—Theatre (Backstage Design/Tech)

SUBJECT	9th Grade	10th Grade	11th Grade	12th Grade
ENGLISH	English or Honors English	English or Honors English	English or AP Language	English or AP Literature
MATH	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Applied Math Algebra II or Honors Algebra II AP Calculus AB & BC	Algebra II or Honors Algebra II Transition to College Math
SCIENCE	Biology or Honors Biology	Chemistry or Honors Chemistry	Physics or AP Physics AP Biology/Advanced Biology	AP Chemistry/Adv. Chemistry AP Biology/Advanced Biology Forensics AP Physics Anatomy & Physiology
SOCIAL STUDIES	New Mexico History & Health	World History or AP World History	U.S. History or AP U.S. History	Principles of Democracy-DL or AP Government
OTHER	Required PE			
ELECTIVES	Drama/Stagecraft- I –VIII Introduction to Art Introduction to Theatre Piano I Treble and/or Vocal Music AP Music Theory Introduction to Engineering Principles of Engineering Introduction to AG Mechanics Welding	Drama/Stagecraft- I –VIII Introduction to Art Introduction to Theatre Piano I Treble and/or Vocal Music AP Music Theory Introduction to Engineering Principles of Engineering Introduction to AG Mechanics Welding	Drama/Stagecraft- I –VIII Introduction to Art Introduction to Theatre Piano I Treble and/or Vocal Music AP Music Theory Introduction to Engineering Principles of Engineering Introduction to AG Mechanics Welding	Drama/Stagecraft- I –VIII Introduction to Art Introduction to Theatre Piano I Treble and/or Vocal Music AP Music Theory Introduction to Engineering Principles of Engineering Introduction to AG Mechanics Welding
Career Pathway	Drama/Stagecraft I	Drama/Stagecraft II	Drama/Stagecraft III ACE or Dual Credit	Drama/Stagecraft IV ACE or Dual Credit
DISTANCE LEARNING & DUAL CREDIT			<i>Students should take Dual Credit opportunities, which will support their career interest they are pursuing. Please see your counselor for more information.</i>	

ARTS—Creative Arts 2D

SUBJECT	9th Grade	10th Grade	11th Grade	12th Grade
ENGLISH	English or Honors English	English or Honors English	English or AP Language	English or AP Literature
MATH	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Applied Math Algebra II or Honors Algebra II AP Calculus AB & BC	Algebra II or Honors Algebra II Transition to College Math
SCIENCE	Biology or Honors Biology	Chemistry or Honors Chemistry	Physics or AP Physics AP Biology/Advanced Biology	AP Chemistry/Adv. Chemistry AP Biology/Advanced Biology Forensics AP Physics Anatomy & Physiology
SOCIAL STUDIES	New Mexico History & Health	World History or AP World History	U.S. History or AP U.S. History	Principles of Democracy-DL or AP Government
OTHER	Required PE			
ELECTIVES	Foreign Language Digital Photography Computer Graphics Treble and/or Vocal Music Ceramics I Crafts—Jewelry Introduction to Theatre Drama/Stagecraft	Digital Photography Computer Graphics Treble and/or Vocal Music Ceramics I Crafts—Jewelry Introduction to Theatre Drama/Stagecraft	Digital Photography Computer Graphics Treble and/or Vocal Music Ceramics I Crafts—Jewelry Introduction to Theatre Drama/Stagecraft	Digital Photography Computer Graphics Treble and/or Vocal Music Ceramics I Crafts—Jewelry Introduction to Theatre Drama/Stagecraft
Career Pathway	Drama-Acting Performance I	Drama-Acting Performance I	Drama-Acting Performance I ACE or Dual Credit	Drama-Acting Performance I ACE or Dual Credit
DISTANCE LEARNING & DUAL CREDIT			<i>Students should take Dual Credit opportunities, which will support their career interest they are pursuing. Please see your counselor for more information.</i>	

ARTS—Creative Art 3D

SUBJECT	9th Grade	10th Grade	11th Grade	12th Grade
ENGLISH	English or Honors English	English or Honors English	English or AP Language	English or AP Literature
MATH	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Applied Math Algebra II or Honors Algebra II AP Calculus AB & BC	Algebra II or Honors Algebra II Transition to College Math
SCIENCE	Biology or Honors Biology	Chemistry or Honors Chemistry	Physics or AP Physics AP Biology/Advanced Biology	AP Chemistry/Adv. Chemistry AP Biology/Advanced Biology Forensics AP Physics Anatomy & Physiology
SOCIAL STUDIES	New Mexico History & Health	World History or AP World History	U.S. History or AP U.S. History	Principles of Democracy-DL or AP Government
OTHER	Required PE			
ELECTIVES	Foreign Language Business of Photography Introduction to Art Creative Art: Drawing/Painting Computer Graphics Creative Art—Comprehensive	Foreign Language Business of Photography Introduction to Art Creative Art: Drawing/Painting Computer Graphics Creative Art—Comprehensive	Foreign Language Business of Photography Introduction to Art Creative Art: Drawing/Painting Computer Graphics Creative Art—Comprehensive	Foreign Language Business of Photography Introduction to Art Creative Art: Drawing/Painting Computer Graphics Creative Art—Comprehensive
Career Pathway	Ceramics-Pottery I Crafts-Jewelry	Ceramics-Pottery II Crafts-Jewelry	Ceramics-Pottery III Crafts-Jewelry ACE or Dual Credit	Ceramics-Pottery IV Crafts-Jewelry ACE or Dual Credit
DISTANCE LEARNING & DUAL CREDIT			<i>Students should take Dual Credit opportunities, which will support their career interest they are pursuing. Please see your counselor for more information.</i>	

AUTOMATION AND MANUFACTURING TECHNOLOGY

SUBJECT	9th Grade	10th Grade	11th Grade	12th Grade
ENGLISH	English or Honors English	English or Honors English	English or AP Language	English or AP Literature
MATH	Algebra I or Honors Algebra Geometry or Honors Geometry Algebra II or Honors Algebra II	Geometry or Honors Geometry Algebra II or Honors Algebra II	Applied Math Algebra II or Honors Algebra II AP Calculus AB & BC	Algebra II or Honors Algebra II Transition to College Math
SCIENCE	Biology or Honors Biology	Chemistry or Honors Chemistry	Physics or AP Physics AP Biology/Advanced Biology	AP Chemistry/Adv. Chemistry AP Biology/Advanced Biology Forensics AP Physics Anatomy & Physiology
SOCIAL STUDIES	New Mexico History & Health	World History or AP World History	U.S. History or AP U.S. History	Principles of Democracy-DL or AP Government
OTHER	Required PE			
ELECTIVES	Foreign Language Introduction to Ag. Mechanics Welding	Foreign Language Introduction to Ag. Mechanics Welding	Foreign Language Introduction to Ag. Mechanics Welding	Foreign Language Introduction to Ag. Mechanics Welding
Career Pathway	Introduction to Engineering and Design	Principles of Engineering	ACE or Dual Credit	ACE or Dual Credit
DISTANCE LEARNING & DUAL CREDIT			<i>Students should take Dual Credit opportunities, which will support their career interest they are pursuing. Please see your counselor for more information.</i>	

AUTOMOTIVE TECHNOLOGY

SUBJECT	9th Grade	10th Grade	11th Grade	12th Grade
ENGLISH	English or Honors English	English or Honors English	English or AP Language	English or AP Literature
MATH	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Applied Math Algebra II or Honors Algebra II AP Calculus AB & BC	Algebra II or Honors Algebra II Transition to College Math
SCIENCE	Biology or Honors Biology	Chemistry or Honors Chemistry	Physics or AP Physics AP Biology/Advanced Biology	AP Chemistry/Adv. Chemistry AP Biology/Advanced Biology Forensics AP Physics Anatomy & Physiology
SOCIAL STUDIES	New Mexico History & Health	World History or AP World History	U.S. History or AP U.S. History	Principles of Democracy-DL or AP Government
OTHER	Required PE			
ELECTIVES	Foreign Language Introduction to Ag. Mechanics Welding Introduction to Engineering	Foreign Language Introduction to Ag. Mechanics Welding Introduction to Engineering	Foreign Language Introduction to Ag. Mechanics Welding Introduction to Engineering	Foreign Language Introduction to Ag. Mechanics Welding Introduction to Engineering
Career Pathway	Introduction to Automobiles	Auto Technology Comprehensive	Auto Technology ACE or Dual Credit	ACE or Dual Credit
DISTANCE LEARNING & DUAL CREDIT			<i>Students should take Dual Credit opportunities, which will support their career interest they are pursuing. Please see your counselor for more information.</i>	

CREATIVE MEDIA TECHNOLOGY—Digital Graphics and Video

SUBJECT	9th Grade	10th Grade	11th Grade	12th Grade
ENGLISH	English or Honors English	English or Honors English	English or AP Language	English or AP Literature
MATH	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Applied Math Algebra II or Honors Algebra II AP Calculus AB & BC	Algebra II or Honors Algebra II Transition to College Math
SCIENCE	Biology or Honors Biology	Chemistry or Honors Chemistry	Physics or AP Physics AP Biology/Advanced Biology	AP Chemistry/Adv. Chemistry AP Biology/Advanced Biology Forensics AP Physics Anatomy & Physiology
SOCIAL STUDIES	New Mexico History & Health	World History or AP World History	U.S. History or AP U.S. History	Principles of Democracy-DL or AP Government
OTHER	Required PE			
ELECTIVES	Foreign Language Yearbook	Foreign Language Yearbook	Foreign Language Yearbook	Foreign Language Yearbook
Career Pathway	Computer Graphics Mass Media Communications Business of Photography	Computer Graphics Mass Media Communications Business of Photography	Computer Graphics Mass Media Communications Business of Photography ACE or Dual Credit	Computer Graphics Mass Media Communications Business of Photography ACE or Dual Credit
DISTANCE LEARNING & DUAL CREDIT			<i>Students should take Dual Credit opportunities, which will support their career interest they are pursuing. Please see your counselor for more information.</i>	

CRIMINAL JUSTICE & LAW ENFORCEMENT

SUBJECT	9th Grade	10th Grade	11th Grade	12th Grade
ENGLISH	English or Honors English	English or Honors English	English or AP Language	English or AP Literature
MATH	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Applied Math Algebra II or Honors Algebra II AP Calculus AB & BC	Algebra II or Honors Algebra II Transition to College Math
SCIENCE	Biology or Honors Biology	Chemistry or Honors Chemistry	Physics or AP Physics AP Biology/Advanced Biology	AP Chemistry/Adv. Chemistry AP Biology/Advanced Biology Forensics AP Physics Anatomy & Physiology
SOCIAL STUDIES	New Mexico History & Health	World History or AP World History	U.S. History or AP U.S. History	Principles of Democracy-DL or AP Government
OTHER	Required PE			
ELECTIVES	Foreign Language	Foreign Language	Foreign Language	Foreign Language
Career Pathway	Legal System	Psychology	AP Psychology ACE or Dual Credit	ACE or Dual Credit
DISTANCE LEARNING & DUAL CREDIT			<i>Students should take Dual Credit opportunities, which will support their career interest they are pursuing. Please see your counselor for more information.</i>	

CULINARY ARTS

SUBJECT	9th Grade	10th Grade	11th Grade	12th Grade
ENGLISH	English or Honors English	English or Honors English	English or AP Language	English or AP Literature
MATH	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Applied Math Algebra II or Honors Algebra II AP Calculus AB & BC	Algebra II or Honors Algebra II Transition to College Math
SCIENCE	Biology or Honors Biology	Chemistry or Honors Chemistry	Physics or AP Physics AP Biology/Advanced Biology	AP Chemistry/Adv. Chemistry AP Biology/Advanced Biology Forensics AP Physics Anatomy & Physiology
SOCIAL STUDIES	New Mexico History & Health	World History or AP World History	U.S. History or AP U.S. History	Principles of Democracy-DL or AP Government
OTHER	Required PE			
ELECTIVES	Foreign Language Introduction to Art Introduction to Agriculture	Foreign Language Introduction to Art Introduction to Agriculture	Foreign Language Introduction to Art Introduction to Agriculture	Foreign Language Introduction to Art Introduction to Agriculture
Career Pathway	Nutrition—Food Science	ProStart I (Culinary I)	ProStart II (Culinary II) ACE or Dual Credit	ACE or Dual Credit
DISTANCE LEARNING & DUAL CREDIT			<i>Students should take Dual Credit opportunities, which will support their career interest they are pursuing. Please see your counselor for more information.</i>	

ENGINEERING: Aerospace Technology

SUBJECT	9th Grade	10th Grade	11th Grade	12th Grade
ENGLISH	English or Honors English	English or Honors English	English or AP Language	English or AP Literature
MATH	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Applied Math Algebra II or Honors Algebra II AP Calculus AB & BC	Algebra II or Honors Algebra II Transition to College Math
SCIENCE	Biology or Honors Biology	Chemistry or Honors Chemistry	Physics or AP Physics AP Biology/Advanced Biology	AP Chemistry/Adv. Chemistry AP Biology/Advanced Biology Forensics AP Physics Anatomy & Physiology
SOCIAL STUDIES	New Mexico History & Health	World History or AP World History	U.S. History or AP U.S. History	Principles of Democracy-DL or AP Government
OTHER	Required PE			
ELECTIVES	Foreign Language Computer Graphics I Introduction to Ag Mechanics Introduction to Auto	Foreign Language Computer Graphics I Introduction to Ag Mechanics Introduction to Auto	Foreign Language Computer Graphics I Introduction to Ag Mechanics Introduction to Auto	Foreign Language Computer Graphics I Introduction to Ag Mechanics Introduction to Auto
Career Pathway	Introduction to Engineering	Principles of Engineering	Civil Architecture ACE or Dual Credit	Engineering Management & Design ACE or Dual Credit
DISTANCE LEARNING & DUAL CREDIT			<i>Students should take Dual Credit opportunities, which will support their career interest they are pursuing. Please see your counselor for more information.</i>	

ENGINEERING: Electronics Technology/Electrical Programs

SUBJECT	9th Grade	10th Grade	11th Grade	12th Grade
ENGLISH	English or Honors English	English or Honors English	English or AP Language	English or AP Literature
MATH	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Applied Math Algebra II or Honors Algebra II AP Calculus AB & BC	Algebra II or Honors Algebra II Transition to College Math
SCIENCE	Biology or Honors Biology	Chemistry or Honors Chemistry	Physics or AP Physics AP Biology/Advanced Biology	AP Chemistry/Adv. Chemistry AP Biology/Advanced Biology Forensics AP Physics Anatomy & Physiology
SOCIAL STUDIES	New Mexico History & Health	World History or AP World History	U.S. History or AP U.S. History	Principles of Democracy-DL or AP Government
OTHER	Required PE			
ELECTIVES	Foreign Language Computer Graphics I Introduction to Ag Mechanics Introduction to Auto	Foreign Language Computer Graphics I Introduction to Ag Mechanics Introduction to Auto	Foreign Language Computer Graphics I Introduction to Ag Mechanics Introduction to Auto	Foreign Language Computer Graphics I Introduction to Ag Mechanics Introduction to Auto
Career Pathway	Introduction to Engineering	Principles of Engineering	ACE or Dual Credit	ACE or Dual Credit
DISTANCE LEARNING & DUAL CREDIT			<i>Students should take Dual Credit opportunities, which will support their career interest they are pursuing. Please see your counselor for more information.</i>	

GAME DESIGN/COMPUTER INFORMATION SYSTEMS

SUBJECT	9th Grade	10th Grade	11th Grade	12th Grade
ENGLISH	English or Honors English	English or Honors English	English or AP Language	English or AP Literature
MATH	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Applied Math Algebra II or Honors Algebra II AP Calculus AB & BC	Algebra II or Honors Algebra II Transition to College Math
SCIENCE	Biology or Honors Biology	Chemistry or Honors Chemistry	Physics or AP Physics AP Biology/Advanced Biology	AP Chemistry/Adv. Chemistry AP Biology/Advanced Biology Forensics AP Physics Anatomy & Physiology
SOCIAL STUDIES	New Mexico History & Health	World History or AP World History	U.S. History or AP U.S. History	Principles of Democracy-DL or AP Government
OTHER	Required PE			
ELECTIVES	Foreign Language AP Physics Introduction to Engineering Principles of Engineering Digital Electronics	Foreign Language AP Physics Introduction to Engineering Principles of Engineering Digital Electronics	Foreign Language AP Physics Introduction to Engineering Principles of Engineering Digital Electronics	Foreign Language AP Physics Introduction to Engineering Principles of Engineering Digital Electronics
Career Pathway	Tech Ed RS-Video Game Design	Computer Graphics	ACE or Dual Credit	ACE or Dual Credit
DISTANCE LEARNING & DUAL CREDIT			<i>Students should take Dual Credit opportunities, which will support their career interest they are pursuing. Please see your counselor for more information.</i>	

HEALTH SCIENCES: Pre-Med (Dental Assistant, Dental Hygiene, Diagnostic Medical Sonography, Emergency Medical Services, Health Care Assistant, Nursing, Public Health, Radiologic Technology & Respiratory Therapy)

SUBJECT	9th Grade	10th Grade	11th Grade	12th Grade
ENGLISH	English or Honors English	English or Honors English	English or AP Language	English or AP Literature
MATH	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Applied Math Algebra II or Honors Algebra II AP Calculus AB & BC	Algebra II or Honors Algebra II Transition to College Math
SCIENCE	Biology or Honors Biology	Chemistry or Honors Chemistry	Physics or AP Physics AP Biology/Advanced Biology	AP Chemistry/Adv. Chemistry AP Biology/Advanced Biology Forensics AP Physics Anatomy & Physiology
SOCIAL STUDIES	New Mexico History & Health	World History or AP World History	U.S. History or AP U.S. History	Principles of Democracy-DL or AP Government
OTHER	Required PE			
ELECTIVES	Foreign Language Sports Medicine II Psychology & AP Psychology Nutrition—Food Science	Foreign Language Sports Medicine II Psychology & AP Psychology Nutrition—Food Science	Foreign Language Sports Medicine II Psychology & AP Psychology Nutrition—Food Science	Foreign Language Sports Medicine II Psychology & AP Psychology Nutrition—Food Science
Career Pathway	Health Care Occupations Career	Sports Medicine I	Anatomy & Physiology ACE or Dual Credit	ACE or Dual Credit
DISTANCE LEARNING & DUAL CREDIT			<i>Students should take Dual Credit opportunities, which will support their career interest they are pursuing. Please see your counselor for more information.</i>	

SPORTS MEDICINE: Athletic Training

SUBJECT	9th Grade	10th Grade	11th Grade	12th Grade
ENGLISH	English or Honors English	English or Honors English	English or AP Language	English or AP Literature
MATH	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Honors Algebra Honors Geometry Algebra II or Honors Algebra II	Applied Math Algebra II or Honors Algebra II AP Calculus AB & BC	Algebra II or Honors Algebra II Transition to College Math
SCIENCE	Biology or Honors Biology	Chemistry or Honors Chemistry	Physics or AP Physics AP Biology/Advanced Biology	AP Chemistry/Adv. Chemistry AP Biology/Advanced Biology Forensics AP Physics Anatomy & Physiology
SOCIAL STUDIES	New Mexico History & Health	World History or AP World History	U.S. History or AP U.S. History	Principles of Democracy-DL or AP Government
OTHER	Required PE	Anatomy & Physiology	Athletic Training I	Athletic Training III
ELECTIVES	Foreign Language Psychology & AP Psychology Nutrition—Food Science	Foreign Language Psychology & AP Psychology Nutrition—Food Science	Foreign Language Psychology & AP Psychology Nutrition—Food Science	Foreign Language Psychology & AP Psychology Nutrition—Food Science
Career Pathway	Sports Medicine I	Sports Medicine II	Athletic Training II ACE or Dual Credit	Athletic Training IV ACE or Dual Credit
DISTANCE LEARNING & DUAL CREDIT			<i>Students should take Dual Credit opportunities, which will support their career interest they are pursuing. Please see your counselor for more information.</i>	

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<ul style="list-style-type: none"> ⇒ Increase GPA/Class Rank ⇒ Improve Academic Resume ⇒ Meet Distance Learning Graduation Requirements ⇒ Increase ACT/SAT score ⇒ Improve scholarship opportunities ⇒ Opportunity to learn in a different environment ⇒ Increase academic choices 	<ul style="list-style-type: none"> ⇒ \$200.00—\$250.00 per .5 credit ⇒ Requires high level of self-motivation ⇒ Requires good time management skills ⇒ You must take AP exam if enrolled in an AP VLA course

ELECTIVE	CORE
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English I	English II	English III	English IV	Grammar & Composition .5 Credit	AP English Literature	AP English Language	ACT/SAT Prep .5 Credit	Creative Writing	Technical Writing .5 Credit
NM History .5 Credit	Principles of Democracy	U.S. History	World History	AP US History	AP World History	AP US Government			Accounting
Algebra I	Algebra I Honors	Algebra II	Algebra II Honors	Geometry	Geometry Honors	Pre-Calculus	AP Calculus	Financial Literacy	Fractal Math .5 Credit
Astronomy	Biology	Chemistry	Environmental Science	Geology	Integrated Science	Physics	AP Biology	AP Environmental Science	Psychology
Physical Education	Health .5 Credit	Digital Citizenship .5 Credit	Driver's Education .5 Credit	Diversified Occupations	Intro to Business/General Business	Entrepreneurship .5 Credit	Media Literacy .5 Credit	Peer Mediation .5 Credit	AP Psychology
Spanish I, II & III	French I & II			6, 7, 8 Language Arts	6, 7, 8 Science	6, 7, 8 Math	6, 7, 8 Social Studies	6, 7, 8, Physical Education	Pre AP Lit/Lang (Grade 8)

For additional options/classes available—see your counselor

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