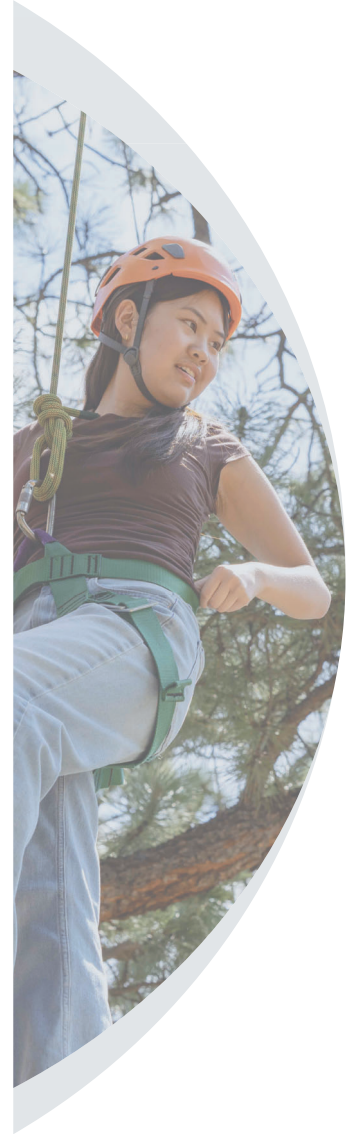
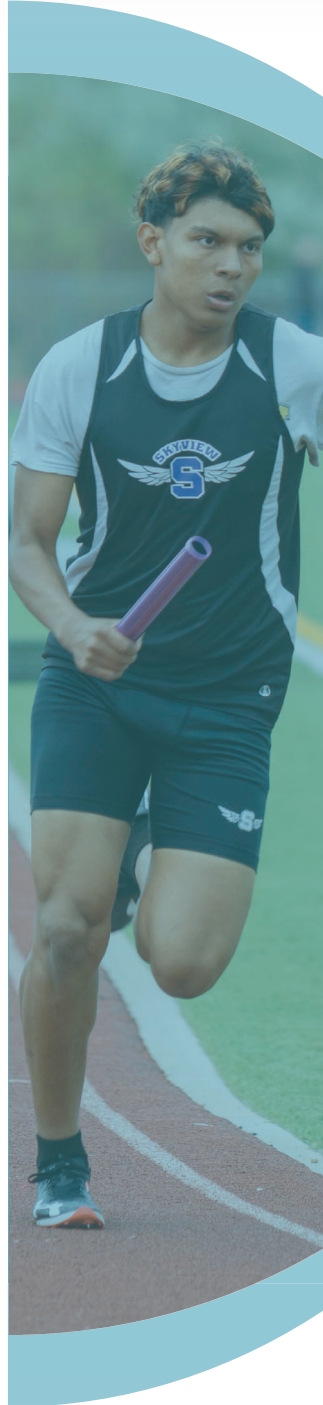




Mapleton Expeditionary School of the Arts

2026-27

Course Catalog



Mapleton Public Schools

Mapleton Expeditionary School of the Arts Course Catalog

Mapleton Expeditionary School of the Arts (MESA)

An Expeditionary Learning (EL) School

Academic Explorations, Compelling Topics, Real-World Learning

Mapleton Expeditionary School of the Arts (MESA) is a 9-12th grade college preparatory school. As a member of the EL Network (formerly Expeditionary Learning), students at MESA are active learners who are challenged to take on meaningful, public and collaborative work. Service-learning, fieldwork, and character development are built into MESA's curriculum. Students investigate real-world issues and use what they learn to make a positive change in their community.

MESA's classrooms are specifically designed to support EL through the use of art spaces, presentation areas, and meeting areas - spaces outside of classrooms that encourage group work and collaboration between art, science, math and humanities classes.

Learning at MESA is organized around compelling, inquiry-based learning expeditions and a specific topic of focus. Expeditions provide structure to deliver rigorous core content and instructions in English, math, social studies, science, and art classes. Each of these classes has learning targets based on state standards that students must meet. MESA's school culture fosters both academic risk-taking and reflection.

[Mapleton Expeditionary School of the Arts \(MESA\) Website](#)

Dear Students and Families,

Please read and study this course catalog carefully so that you will be familiar with the high school course offerings in Mapleton Public Schools. You should become familiar with the district's graduation requirements since it is your responsibility to meet them. A qualified Post-Secondary Options Coach (PSOC) is available to assist each student. Students and parents are urged to make an appointment with the PSOC at their school to discuss a course of study. There is a close relationship between good course selection and a successful high school career. Careful consideration of this guide's suggestions will help you make your high school experience more meaningful to you.

Mapleton Public Schools offers a wide array of courses to meet our students' areas of interest and to prepare them for post-secondary opportunities.

Graduation Requirements

The following criteria shall entitle a student to a high school diploma from Mapleton Public Schools:

- Achievement in academic content standards as demonstrated by mastery of the curriculum which may include, but is not limited to, daily classroom assignments, State and District assessments, classroom assessments, and student participation in, and completion of, assigned projects.
- Successful completion of 22 credits in grades nine through twelve in the prescribed categories listed below (District requirements) in addition to successful completion of all school-specific requirements.
- Demonstration of academic proficiency in English and Math using one measure in each content from the Mapleton Public Schools Menu of College and Career-Ready Demonstrations listed in the linked exhibit.

The following District-wide graduation requirements must be satisfied to be eligible for graduation:

Content	Credits Required	Specific Courses Required
English	4	
Mathematics	3	At least 2 of the credits must include Algebra 1 and Geometry, with the additional required course at or above the level of Geometry.
Natural/Physical Science	4	At least 2 credits must be lab-based.
Social Studies	3	At least 0.5 credit must be in Civics/Government, and at least 1 credit must be in U.S. or World History.
Foreign Languages	1	
Physical Education	1	Must include at least 0.5 credit in Health and 0.5 credit in Physical Education.

Content	Credits Required	Specific Courses Required
Academic Electives	5.5	Required financial literacy, and at least 0.5 art credit. The remaining credits may be earned in any academic area listed, any career and technical education courses, work-based learning credit, AirForce JROTC, foreign languages, computer science, art, music, drama, or credits earned through concurrent enrollment courses.
Capstone	0.5	Includes an independent research project that demonstrates proficiency in Math and/or ELA as needed, 20 community service hours, and an individual career and academic portfolio.
Total Credits	22	

<u>Possible High School Math Trajectory Paths</u> (Based on Middle School Path)				
8th grade	Year 1	Year 2	Year 3	Year 4 (not required but, necessary for college bound students)
	Algebra 1	Geometry	Algebra 2	4 th year Math (Pre-Calc, Stats, AP Calculus, AP Stats)
Algebra I for HS credit	Geometry	Algebra 2	4 th Year Math	AP Course/ Concurrent Enrollment

To access Algebra 1, for high school credit, as an 8th grader, students must meet the following criteria within the past two years. School sites collaborate with Mapleton's Teaching and Learning Department to follow the determined process to identify students showing readiness for Algebra 1 in 8th grade.

Middle School Math Criteria: Possible Body of Evidence
MAP Scores: mean RIT score of 235 or higher
CMAS Meets or Exceeds on 7 th grade math assessment (775 or higher)
MAP Winter Score Percentile: 63 rd percentile or higher

Mapleton Public Schools Menu of College and Career-Ready Demonstrations

Beginning with the graduating class of 2021, students must complete at least one of the measures listed in Mapleton Board Policy IKF-R that meet or exceed the measure's corresponding cut score or criteria to demonstrate college and career readiness in English and Math. For a complete list of measures and their criteria, please refer to the following board policy:

[Board Policy IKF-R: Menu of College and Career-Ready Demonstrations](#)

Mapleton Public Schools offers unique learning experiences for its students and each school provides its own learning model and environment. Accordingly, each high school requires students to complete school specific academic experiences that reflect the focus of that specific school. This provides a unique mix of approaches of equal rigor for students to demonstrate essential skills and knowledge for life after graduation. To be eligible for graduation, all students must complete the school-specific graduation requirements in addition to the district-wide graduation requirements.

Graduating seniors shall be ranked within the graduating class for each high school upon the basis of grade point averages for the four-year program, excluding the last semester of the senior year. The student with the highest-class rank will be valedictorian. When more than one student holds the numerical one rank, all students holding the rank will be declared co-valedictorians.

Grades for regular classes will be given the following values: A=4, B=3, C=2.

Grades for college level classes will be given the following values: A=5, B=4, C=3, D=2.

For more information, please click on the link to the Board Policy on Graduation

[Board Policy IKF: Graduation Requirements](#)

Student Course Load

The course load for freshmen, sophomores, juniors, and seniors shall be a minimum of six (6) credits per school year. Students who wish to take fewer credits in any given school year must obtain advance permission from the school director.

Concurrent Enrollment

As part of our college and career going culture, your student has the opportunity to enroll in college course at Front Range Community College (FRCC) while attending high school in Mapleton. Concurrent enrollment supports our commitment to provide each student with rigorous academic content, enrichment opportunities, and access to academic courses beyond what is available in high school.

To ensure no obstacle impedes your student's success, Mapleton Public Schools pays the tuition for college courses successfully completed by a qualified student and for which a student receives high school credit. Your student may also receive credit toward graduation requirements for successful completion of approved postsecondary courses.

Qualifications:

To participate in concurrent enrollment, students must request approval from their School Director and Post-Secondary Options Coach (PSOC).

To qualify for concurrent enrollment, students must:

- Be less than 21 years of age
- Be enrolled in a Mapleton high school (9th-12th grade)
- Meet the minimum prerequisites and academic readiness for the postsecondary courses in which they seek to enroll according to both FRCC and Mapleton Public Schools.

For more information or details contact your schools PSOC.

Seal of Biliteracy for High School Diplomas

Mapleton Public Schools provides the opportunity for students to attain the Seal of Biliteracy on their diploma. The Seal of Biliteracy is a recognition for students who can demonstrate a high level of proficiency in at least one world language and English by high school graduation. Obtaining a Seal of Biliteracy is important because it will honor both the achievement of language acquisition and the heritage language, culture, and experience that some students may already possess. It will give future employers and post-secondary institutions definitive evidence of a student's language skills.

The Seal require students to fulfill all graduation requirements and meet criteria demonstrating a high level of proficiency in listening, reading, speaking, and writing in both English and a language other than English. Please click here for more information about the criteria for the [Seal of Biliteracy](#).

Higher Education Admission Requirements (HEAR)

Students who are interested in attending **any Colorado public, four-year college, or university**, will need to complete the following courses to be considered for admission:

- Four years of English
- Four years of Math (Algebra 1 and higher)
- Three years of Science (must include two lab-based courses)
- Three years of Social Studies (must include one year of US or World History)
- Two years of academic electives (additional courses in English, Math, Science, Social Studies, World Languages, Art, Music, Journalism, Theatre, or another program)
- At least one year of World Language (check with college/university admission criteria)

** Meeting the Higher Education Admission Requirements does not guarantee admission into a four-year public institution. Colleges and universities may have additional requirements.*

NCAA Eligibility for College Bound Athletes

All student-athletes planning to participate in Division I or Division II intercollegiate athletics must be certified by the NCAA Eligibility Center. Student Athletes must register online at www.eligibilitycenter.org at the end of their junior year. In April seniors must complete the Amateurism Certification in their application on the NCAA website.

To be eligible for collegiate competition, a student-athlete must complete 16 core courses for Division I and II competition. See your PSOC for further details concerning eligibility. ACT/SAT scores must be sent directly from ACT/SAT to the NCAA. The code for the NCAA is 9999. This should be entered on the ACT/SAT registration form.

Student-athletes and parents/guardians are responsible for the proper management of academic planning to ensure requirements are met for the NCAA qualifications. It is important to begin the academic planning for this during the freshman year. If questions arise, contact your counselor or the athletic director immediately.

Capstone Guide

Mapleton Board Policy, [IKE](#), requires all students to complete a Capstone as a requirement for graduation. The Capstone must include the following 3 elements:

1. An independent research project demonstrating proficiency in English Language Arts and/or Math as needed.
2. Completion of an Individual Career and Academic Portfolio (ICAP) demonstrating individual Postsecondary (after high school) and Workforce interests, goals, and needs.
3. Completion of 20 hours of Community Service.

The Capstone Guide outlines Mapleton's Individualized Career and Academic Plan (ICAP) requirements aligned to the state of Colorado (Senate Bill 09-256, 2009).

The ICAP is a personalized, multi-year process that supports students to explore careers, identify their goals and post-secondary opportunities, and create an action plan for life after high school. The ICAP empowers students to:

- Graduate with the knowledge, skills, and plans to be **Postsecondary and Workforce Ready (PWR)**.
- Explore career interests and postsecondary pathways.
- Develop **PWR** skills: reading, writing, math, and success skills. The development of success skills is critical as they support students in crafting a postsecondary plan that is realistic and usable. The ICAP success skills are:
 - **Self-Awareness:** Understanding personal strengths, interests, and values.
 - **Goal setting:** Creating achievable short- and long-term plans.
 - **Resilience:** Adapting to challenges and setbacks.
 - **Professionalism:** Communicating effectively and building relationships.
- Create a personalized, actionable plan for life after high school graduation in a variety of pathways.
- Increase graduation rates through the connection between their high school education and experiences to their future goals.

Key Stakeholders in the ICAP

Who?	What is their role?
Students	The ICAP process is designed to be personalized. Therefore, students are the drivers of the ICAP. They engage in research and activities, set goals, identify next steps, and collaborate with their family and school staff to help determine their steps after high school. Students are also responsible for documenting and curating an ICAP portfolio, demonstrating they have met all requirements.

Guardians	Parents and/or guardians support their Senior by engaging in conversations about life after high school. They review their child's goals and action plans. They review their child's progress and provide insights and support of goal setting and planning. Parents and/or guardians collaborate with school staff to ensure all requirements are met.
Educators	Educators support students by facilitating ICAP activities that build students' knowledge and skills about life after high school. They integrate PWR skills into instruction, and guide students in career exploration and postsecondary planning.
Postsecondary Options Counselors (PSOC)	PSOCs are the leaders of postsecondary planning. They provide resources and ensure that all graduating seniors have met the Capstone graduation requirement.
Administrators	Administrators create and enhance schoolwide systems and structures to support the ICAP process and ensure all students meet the requirements.

ICAP Capstone: The Culmination

The **Capstone** is a senior project that showcases students' personal ICAP journey. It is a way for students to demonstrate **PWR** skills and readiness for postsecondary pathways. The Capstone must include the following components.

Common Components (Required for All Students)

The ICAP components below ensure students are prepared for their next steps. Each is required and must be completed by graduation and documented. Schools may offer additional activities to enhance ICAP, tailored to their resources.

1. Career Exploration

- Activities may include:
 - Engage with career and interest surveys. Identify career clusters or specific careers that align.
 - Research careers using a variety of tools.
 - Attend exploration events such as college, career, and/or apprenticeship fairs.
 - Participation in Career Technical Education courses, Work Based Learning, and/or Concurrent Enrollment programs.

2. Postsecondary Pathways Research

- Required Activities:
 - Postsecondary Options List
 - Financial Planning – for example, Free Application for Federal Student Aid (FAFSA), Colorado Application for State Financial Aid (CASFA), scholarship applications, GI Bill, etc.
- Activities may include:
 - Research based on career interests – college, apprenticeships, military, and/or careers with advancement opportunities
 - Comparisons between postsecondary pathways, including salary
 - Research cost of educational programs and opportunities for support

3. Postsecondary Steps Taken

- Required Activities:
 - Postsecondary Institution Applications (apply to at least one program, college 2-year or 4-year institutions, trade school, apprenticeship, or military)
 - Completed FAFSA/CASFA and/or College Opportunity Fund (COF) or alternative assignment
 - Scholarship applications or alternative assignment

4. Resume

5. Personal Statement

6. Evidence of Professional Communication

- Activities may include:
 - Professional emails
 - Evidence of advocacy, for example, requesting support in a class
 - Letter of Recommendation request
 - Evidence of contacting Financial Aid, boss, recruiter, professional adult
 - Mock Interview

7. Postsecondary Action Plan

- Activities may include:
 - Post-High School Workforce Readiness Goals
 - 5-year plan

8. Regular Credit and Transcript Checks

9. Personal Exploration

- Activities may include:
 - Interest inventories
 - Personality exploration

10. Professional Presentation

- Required:
 - Capstone Presentation
- Activities may include:
 - Student exhibitions
 - 1:1 presentation
 - Other Presentation

11. Community Service Completion

12. Financial Literacy Completion

13. Independent Research Paper

- Requirements:
 - Paper written in Junior/Senior level English class and/or a college class
 - Proper citations and reference page
 - Correct formatting (e.g., MLA, APA).
 - Original work
 - Demonstrates PWR skills (critical thinking, writing)

14. PWR Skills and College/Career Readiness

- Demonstrate proficiency in English and math per [Colorado Department of Education \(CDE\) CDE Graduation Guidelines](#)

MESA

Course Catalog: 2026 - 2027

English

Chicano Studies

Course Number: 9218626G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Throughout this course, students will be able to analyze and identify ideas about the Chicano movement in Colorado and their relation to oppression and resistance. Highlighting different case studies that focus on cause and effect within the Chicano movement will also support their navigation of various authors' points of view. The course is divided into four units that highlight 11th-grade ELA standards and Social Studies US History. At the end of the first and last two units, there will be culminating projects where students will be able to demonstrate their understanding of concepts around the Chicano movement in Colorado, along with the skills to create an article for a digital magazine around a cause or social issue and an oral history project based on a theme.

English III - Dystopian Lit B

Course Number: 9218613G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Dystopian literature leads itself to both studying literary elements and connect textual elements to real world issues. Through deep readings of both fiction and non-fiction texts, students will identify important details, determine multiple themes, and examine the author's choices. Students will connect fiction to the world around them to gain a greater understanding of the way elements of dystopia (government involvement, technological advancements, environmental disaster, and individual /cultural identity) function in both.

English IV - Graphic Novels A

Course Number: 9218615G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Students will learn about the history of graphic novels, along with the psychology and techniques that allow sequential images and words to be put together to make for compelling literature. Students will study both fiction and non-fiction examples of the graphic novel genre. Students determine the underlying assumptions and values within graphic novels and examine structure, techniques, literary elements, author's purpose and theme. Oral discussion is an integral part of this course, with written compositions also required.

English Poetry III A

Course Number: 9218612G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Students will become familiar with a range of poetry forms from different periods of literary history. Students will learn various methods of reading poetry and of analysis of poets and poems, including understanding the formal rhythmic properties of poems, the aesthetic impact of individual poems, and the application of poetic vocabulary essential to the practice of literacy criticism.

English/Language Arts I

Course Number: 9218001G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

English/Language Arts I (9th grade) courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and usually include the four aspects of language use: reading, writing, speaking, and listening. Typically, these courses introduce and define various genres of literature, with writing exercises often linked to reading selections.⁵

English/Language Arts I M

Course Number: 9218604A

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

English/Language Arts I (9th grade) courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and usually include the four aspects of language use: reading, writing, speaking, and listening. Typically, these courses introduce and define various genres of literature, with writing exercises often linked to reading selections. This course is available for students who are eligible for modified instruction based on the IEP process.

English/Language Arts II

Course Number: 9218002G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

English/Language Arts II (10th grade) courses usually offer a balanced focus on composition and literature. Typically, students learn about the alternate aims and audiences of written compositions by writing persuasive, critical, and creative multi-paragraph essays and compositions. Through the study of various genres of literature, students can improve their reading rate and comprehension and develop the skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message.

English/Language Arts II M

Course Number: 9218605A

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

English/Language Arts II (10th grade) courses usually offer a balanced focus on composition and literature. Typically, students learn about the alternate aims and audiences of written compositions by writing persuasive, critical, and creative multi-paragraph essays and compositions. Through the study of various genres of literature, students can improve their reading rate and comprehension and develop the skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message. This course is available for students who are eligible for modified instruction based on the IEP process.

English/Language Arts III

Course Number: 9218003G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

English/Language Arts III (11th grade) courses continue to develop students' writing skills, emphasizing clear, logical writing patterns, word choice, and usage, as students write essays and begin to learn the techniques of writing research papers. Students continue to read works of literature, which often form the backbone of the writing assignments. Literary conventions and stylistic devices may receive greater emphasis than in previous courses.

English/Language Arts III M

Course Number: 9218606A

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

English/Language Arts III (11th grade) courses continue to develop students' writing skills, emphasizing clear, logical writing patterns, word choice, and usage, as students write essays and begin to learn the techniques of writing research papers. Students continue to read works of literature, which often form the backbone of the writing assignments. Literary conventions and stylistic devices may receive greater emphasis than in previous courses. This course is available for students who are eligible for modified instruction based on the IEP process.

English/Language Arts IV

Course Number: 9218004G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

English/Language Arts IV (12th grade) courses blend composition and literature into a cohesive whole as students write critical and comparative analyses of selected literature, continuing to develop their language arts skills. Typically, students primarily write multi-paragraph essays, but they may also write one or more major research papers.

English/Language Arts IV M

Course Number: 9218607A

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

English/Language Arts IV (12th grade) courses blend composition and literature into a cohesive whole as students write critical and comparative analyses of selected literature, continuing to develop their language arts skills. Typically, students primarily write multi-paragraph essays, but they may also write one or more major research papers.

Talkin' 'Bout A Revolution

Course Number: 9223357G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

This course will explore world history through the lens of revolution while integrating ELA standards and content through rigorous reading, writing, research, and oral communication tasks. This class is a Humanities class, offering students credit in both English and Social Studies. Two guiding questions will frame students' inquiry across the year: (1) What factors drive revolutions?, and (2) Is the United States headed towards another revolution? Our year-long study will be divided into a building background knowledge (BBK) unit, followed by six case studies, and a culminating project. In an EL expedition, case studies are utilized to narrow a broad topic and support students to develop in-depth knowledge, while the expedition culmination presents an opportunity for students to reflect on their learning and draw connections between the discrete case studies in order to understand the big picture in response to the guiding question(s). In addition to the case studies, which are focused on historical events that occurred in the past, there will be a thread of current events that runs throughout the year-long course.

Mathematics

AP Calculus AB

Course Number: 9219703G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Following the College Board's suggested curriculum designed to parallel college-level calculus courses, AP Calculus AB provides students with an understanding of the concepts of calculus and experience with its methods and applications. These courses introduce calculus and include the following topics: functions, graphs, limits, and continuity; differential calculus (including definition, application, and computation of the derivative; derivative at a point; derivative as a function; and second derivatives); and integral calculus (including definite integrals and antidifferentiation).

Algebra I

Course Number: 9219052G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Algebra I courses include 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 and factoring of polynomials; solving quadratic equations; and modeling linear data. Specific content depends upon state standards.

Algebra I M

Course Number: 9219705A

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Algebra I courses include 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 and factoring of polynomials; solving quadratic equations; and modeling linear data. Specific content depends upon state standards. This course is available for students who are eligible for modified instruction based on the IEP process.

Algebra II

Course Number: 9219056G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Algebra II course topics typically include developing an understanding of the relationships between the symbolic, graphic, tabular and verbal representations of functions; utilizing the various representations to interpret function behavior and solve equations; 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; exponential functions; inverse functions; statistical modeling; modeling linear and quadratic data; and operations with rational and irrational exponents.

Algebra II M

Course Number: 9219706A

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Algebra II course topics typically include developing an understanding of the relationships between the symbolic, graphic, tabular and verbal representations of functions; utilizing the various representations to interpret function behavior and solve equations; 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; exponential functions; inverse functions; statistical modeling; modeling linear and quadratic data; and operations with rational and irrational exponents. This course is available for students who are eligible for modified instruction based on the IEP process.

Geometry

Course Number: 9219072G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Geometry courses, emphasizing an abstract, formal approach to the study of geometry, typically include 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; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles, quadrilaterals, vertical angles, lines intersected by a transversal, etc.

Geometry M

Course Number: 9219707A

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Geometry courses, emphasizing an abstract, formal approach to the study of geometry, typically include 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; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles, quadrilaterals, vertical angles, lines intersected by a transversal, etc. This course is available for students who are eligible for modified instruction based on the IEP process.

Pre-Calculus

Course Number: 9219110G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Pre-Calculus courses combine the study of Trigonometry, Elementary Functions, Analytic Geometry, and Mathematic Analysis topics as preparation for calculus. Topics typically include the study of complex numbers; polynomial, logarithmic, exponential, rational, trigonometric, and circular functions, and their relations, inverses and graphs; trigonometric identities and equations; solutions of right and oblique triangles; vectors; the polar coordinate system; conic sections; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; modeling linear, quadratic, exponential, and trigonometric data; and limits and continuity.

Natural/Physical Science

Biology

Course Number: 9222051G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Biology courses are designed to provide information regarding the fundamental concepts of life and life processes. These courses include (but are not restricted to) such topics as cell structure and function, general plant and animal physiology, genetics, and taxonomy.

Chemistry

Course Number: 9222101G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Chemistry courses involve studying the composition, properties, and reactions of substances. These courses typically explore such concepts as the behaviors of solids, liquids, and gases; acid/base and oxidation/reduction reactions; and atomic structure. Chemical formulas and equations and nuclear reactions are also studied.

Earth Science

Course Number: 9222001G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Earth Science courses offer insight into the environment on earth and the earth's environment in space. While presenting the concepts and principles essential to students' understanding of the dynamics and history of the earth, these courses usually explore oceanography, geology, astronomy, meteorology, and geography.

Geology National Parks @FRCC

Course Number: 92GEY1108

Course Level: College

Credits: 1.0

Term Structure: Semester

Description:

Explores significant geologic features and the processes that create them using examples and case studies from the U.S. National Park System. Weathering and erosional landforms, caves and reefs, coasts, glaciers, volcanoes, and complex mountains are discussed. Fundamental geologic concepts including plate tectonics, deep time, and rock classification are introduced and incorporated throughout the course. This is a statewide Guaranteed Transfer course in the GT-SC2 category.

Physics

Course Number: 9222151G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Physics courses involve the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The study of physics includes examination of sound, light, and magnetic and electric phenomena.

Social Studies

U.S. History

Course Number: 9223101G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

U.S. History—Comprehensive courses provide students with an overview of the history of the United States, examining time periods from discovery or colonialism through World War II or after. These courses typically include a historical overview of political, military, scientific, and social developments. Course content may include a history of the North American peoples before European settlement.

World Geography

Course Number: 9223001G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

World Geography courses provide students with an overview of world geography. Topics typically include the physical environment; the political landscape; the relationship between people and the land; economic production and development; and the movement of people, goods, and ideas.

World History

Course Number: 9223324G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

World History—Overview courses provide students with an overview of the history of human society from early civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments. World History—Overview courses may include geographical studies, but often these components are not as explicitly taught as geography.

Wstrn Civ 1650 to Prsnt @ FRCC

Course Number: 92HIS102

Course Level: College

Credits: 1.0

Term Structure: Semester

Description:

Explores trends within events, peoples, groups, ideas, and institutions in Western civilization since 1650. This course focuses on developing, practicing, and strengthening skills historians use while constructing knowledge and studying a diverse set of narratives through perspectives such as gender, class, religion, and ethnicity. This is a statewide Guaranteed Transfer course in the GT-HI1 category.

Foreign Languages

English as a Second Language I

Course Number: 9213391G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

English as a Second Language (ESL) courses are designed for the acquisition and rapid mastery of the English language, focusing on reading, writing, speaking, and listening skills. ESL courses usually begin with extensive listening and speaking practice, building auditory and oral skills, and then move on to reading and writing. These courses provide an explanation of basic structures of the English language, enabling students to progress from an elementary understanding of English words and verb tenses to a more comprehensive grasp of various formal and informal styles and then to advance to “regular” English courses. ESL classes may also include an orientation to the customs and culture of the diverse population in the United States.

Spanish I

Course Number: 9215101G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Designed to introduce students to Spanish language and culture, Spanish I courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Spanish-speaking cultures.

Spanish II

Course Number: 9215102G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Spanish II courses build upon skills developed in Spanish I, preparing students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Spanish II courses introduce the relationships among the products, practices, and perspectives of Spanish-speaking cultures.

Physical Education

Physical Education

Course Number: 9221001G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Physical Education courses provide students with knowledge, experience, and an opportunity to develop skills in more than one of the following sports or activities: team sports, individual/dual sports, recreational sports, and fitness/conditioning activities.

Capstone

Senior Capstone

Course Number: 9213233G

Course Level: General or regular

Credits: 3.5

Term Structure: Quarter Grade

Description:

Seminar courses vary widely, but typically offer a small peer group the opportunity to investigate areas of interest. Course objectives may include improvement of research and investigatory skills, presentation skills, interpersonal skills, group process skills, and problem-solving and critical-thinking skills. Seminars aimed at juniors and seniors often include a college and career exploration and planning component.

Academic Electives

Ceramics/Pottery

Course Number: 9210159G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Ceramics/Pottery courses engage students in learning experiences that include the historical and cultural context of ceramics, aesthetic inquiry, and creative production. These courses provide knowledge of ceramic techniques (e.g., kiln firing and glazing) and processes with an emphasis on creative design and craftsmanship. Courses may include clay modeling, hand building, coil building, casting, and throwing on the potter's wheel.

Creative Art—Sculpture

Course Number: 9210158G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Sculpture courses promote creative expression through three-dimensional works. These courses explore representational and abstract sculpture through subtractive (carving), additive (modeling), and assemblage techniques in one or more media. Visual Arts—Sculpture courses typically include the production of representational and abstract sculptures while incorporating elements of art and principles of design, along with a study of historical and contemporary sculpture and sculptors from a worldwide perspective. These courses also provide instruction in the process of responding to art through analysis, critique, and interpretation for the purpose of reflecting on and refining work.

Crew

Course Number: 9213105G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Crew is a course focused on relationship building, academic progress monitoring and character development. Students develop positive connections with their peers and crew leader. They reflect on and develop their skills and habits as effective learners. Students plan for and execute projects to contribute positively to the school and community at large.

Drawing 1

Course Number: 9210231G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Drawing courses provide a foundation in drawing using a variety of techniques and media (such as pen-and-ink, pencil, chalk, etc.) in both black and white and color, emphasizing observation and interpretation of the visual environment, life drawing, and imaginative drawing. These courses typically include applying the elements of art and principles of design, along with a study of art and artists from a worldwide perspective and instruction in the critique process. Advanced courses may encourage students to refine their creative processes and develop their own artistic styles, following and breaking from traditional conventions.

Drawing 2

Course Number: 9210232G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Drawing courses provide a foundation in drawing using a variety of techniques and media (such as pen-and-ink, pencil, chalk, etc.) in both black and white and color, emphasizing observation and interpretation of the visual environment, life drawing, and imaginative drawing. These courses typically include applying the elements of art and principles of design, along with a study of art and artists from a worldwide perspective and instruction in the critique process. Advanced courses may encourage students to refine their creative processes and develop their own artistic styles, following and breaking from traditional conventions.

Drawing 3

Course Number: 9210233G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Drawing courses provide a foundation in drawing using a variety of techniques and media (such as pen-and-ink, pencil, chalk, etc.) in both black and white and color, emphasizing observation and interpretation of the visual environment, life drawing, and imaginative drawing. These courses typically include applying the elements of art and principles of design, along with a study of art and artists from a worldwide perspective and instruction in the critique process. Advanced courses may encourage students to refine their creative processes and develop their own artistic styles, following and breaking from traditional conventions.

Drawing 4

Course Number: 9210234G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Drawing courses provide a foundation in drawing using a variety of techniques and media (such as pen-and-ink, pencil, chalk, etc.) in both black and white and color, emphasizing observation and interpretation of the visual environment, life drawing, and imaginative drawing. These courses typically include applying the elements of art and principles of design, along with a study of art and artists from a worldwide perspective and instruction in the critique process. Advanced courses may encourage students to refine their creative processes and develop their own artistic styles, following and breaking from traditional conventions.

Foundations of Design

Course Number: 9213446G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Foundations of Design courses provide an introduction to and help students respond to the function of fundamental processes of artistic expression in two- and three-dimensional designs. Students apply the concepts and approaches in the symbolic aspects of art and design to two- and three-dimensional problems so that they demonstrate a range of abilities and versatility with technique, problem solving, and ideation. Students study, analyze, and respond to the function of fundamental processes of artistic expression in their work. Students learn to respond to their work and the work of others.

Freshman Seminar

Course Number: 9213267G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Seminar courses vary widely, but typically offer a small peer group the opportunity to investigate areas of interest. Course objectives may include improvement of research and investigatory skills, presentation skills, interpersonal skills, group process skills, and problem-solving and critical-thinking skills. Seminars aimed at juniors and seniors often include a college and career exploration and planning component.

Graphic Design

Course Number: 9210162G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Formerly known as Graphic Design, Visual Communications Design courses emphasize applying fundamental processes of artistic expression through the exploration of the purposeful arrangement of images, symbols, and text to communicate a message. These courses may include investigations of how technology influences the creation of graphic and digital designs and study historical and contemporary visual communications design. These courses also provide instruction in the process of responding to their own art and that of others including master designers through analysis, critique, and interpretation for the purpose of reflecting on and refining work.

Graphic Design & Illus I

Course Number: 9213421G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

This entry level course is for training in the visual communication portion of all media businesses. Students learn about a career in the many kinds of media and graphic design and illustration jobs. Digital photography and working towards the intermediate level use of image editing and drawing programs are strongly focused upon in this class. This is helpful for any future photographer, videographer, animator or advertiser. Students will begin developing a high-quality portfolio for college or design school.

HS Band

Course Number: 9210101G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

General Band courses help students develop techniques for playing brass, woodwind, and percussion instruments and their ability to perform a variety of concert band literature styles. These courses may emphasize rehearsal and performance experiences in a range of styles (e.g., concert, marching, orchestral, and modern) and also include experiences in creating and responding to music.

Improv Theatre

Course Number: 9213383G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Theater Arts courses focus on the study and performance of drama in its many forms, including musical theater, drama, and comedy. These courses review a wide range of scripted materials (such as plays, screenplays, teleplays, readers' theater scripts); dramatic criticism; techniques for creating original dramatic works; and the role of dramatic arts in society. Theater Arts courses typically require students to perform collaboratively, be involved in the critique of dramatic works, and learn methods for self-expression.

Intro Early Child Ed @FRCC

Course Number: 92ECE1011

Course Level: College

Credits: 1.0

Term Structure: Semester

Description:

Provides an introduction to the profession of Early Childhood Education (ECE). Course content includes eight key areas of professional knowledge related to working with young children and their families in early care and education settings: child growth and development; health, nutrition and safety; developmentally appropriate practices; guidance; family and community relationships; diversity and inclusion; professionalism; and administration and supervision. This course addresses children ages birth through 8 years.

JROTC1

Course Number: 9213240G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Air Force Junior Reserve Officer Training Corps (ROTC) I courses include both aerospace studies and leadership/life skills education. The Leadership Education portion of this course encompasses the traditions, wellness, and foundations of citizenship. Cadets learn Air Force customs, courtesies, how to wear the Air Force uniform properly, and various health topics. The Air Science portion of the course teaches cadets how to survive outdoors and includes basic wilderness first aid.

JROTC2

Course Number: 9213241G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Air Force Junior Reserve Officer Training Corps (ROTC) II courses include both aerospace studies and leadership/life skills education. The Leadership Education portion of this course teaches cadets how to communicate through writing and speaking. Cadets prepare various papers and give presentations in order to practice their skills. The Aerospace Science portion is an aviation history course which covers flights from the Wright Brothers into modern aviation.

JROTC4

Course Number: 9213243G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Air Force Junior Reserve Officer Training Corps (ROTC) IV courses include both aerospace studies and leadership/life skills education. The Leadership Education portion of this course teaches cadets how to communicate through writing and speaking. Cadets prepare various papers and give presentations in order to practice their skills. The Aerospace Science portion is an aviation history course which covers flights from the Wright Brothers into modern aviation.

Math 09 Assmt Prfcn

Course Number: 9219309G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Music

Course Number: 9220001G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

General music courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., "by third grade, students should know and be able to do..."). These courses include content that may be applicable to states or localities that do not employ grade-level content standards.

Online Media I

Course Number: 9213448G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Students demonstrate their understanding of a variety of programs and occupations in online media using digital tools that are widely available in professional media work. Focus is on producing content for online consumer-oriented platforms. Instruction will be paired with hands-on lab experiences in community reporting, both verbal and visual.

Online Media II

Course Number: 9213449G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

This course is recommended for students who have completed Online Media I and who want to develop their leadership skills while expanding on various modes of reporting and creating online media for specific audiences and online consumer-oriented platforms. Instruction will be paired with hands-on lab experiences.

Orchestra

Course Number: 9210104G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Orchestra courses help develop students' technique for playing strings instruments. These courses may emphasize collaboration through rehearsal and performance experiences in creating and responding to music.

Post Secondary Preparation

Course Number: 9213110G

Course Level: General or regular

Credits: 0.0

Term Structure: Progress

Description:

Seminar courses vary widely, but typically offer a small peer group the opportunity to investigate areas of interest. Course objectives may include improvement of research and investigatory skills, presentation skills, interpersonal skills, group process skills, and problem-solving and critical-thinking skills. Seminars aimed at juniors and seniors often include a college and career exploration and planning component.

Print Media I

Course Number: 9213430G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Students demonstrate their understanding of a variety of programs and occupations in print media using digital tools that are widely available in professional publication work. Focus is on producing content for reader-oriented publications. Instruction will be paired with hands-on lab experiences in community reporting, both verbal and visual.

Student Assistant

Course Number: 9213137G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Student assistant courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula or to assist other staff members in fulfilling their duties. Students may provide tutorial or instructional assistance to other students. Note: if the particular subject area is known, use the code associated with the Aide course within that subject area.

Tax Help CO Practicum @FRCC

Course Number: 92ACC1033

Course Level: College

Credits: 1.0

Term Structure: Semester

Description:

This practicum course provides hands-on experience in tax preparation, building on the skills learned in ACC 1032. Students will work with real clients to prepare tax returns under supervision.

Web Page Design

Course Number: 9224201G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Web Page Design courses teach students how to design websites by introducing them to and refining their knowledge of site planning, page layout, graphic design, and the use of markup languages—such as Extensible Hypertext Markup, JavaScript, Dynamic HTML, Document Object Model, and Cascading Style Sheets—to develop and maintain a web page. These courses may also cover security and privacy issues, copyright infringement, trademarks, and other legal issues relating to the use of the Internet. Advanced topics may include the use of forms and scripts for database access, transfer methods, and networking fundamentals.

Fine/Practical Art

HS Choir

Course Number: 9210221G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Chorus courses develop students' vocal skills within the context of a large choral ensemble in which they perform a variety of styles of repertoire. These courses are designed to develop students' vocal techniques and their ability to sing parts and include experiences in creating and responding to music.

Painting 1

Course Number: 9210235G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Painting courses provide a foundation in painting using a variety of techniques and media (such as watercolor, tempera, oils, acrylics), emphasizing observation and interpretation of the visual environment, life drawing, and imaginative painting. These courses typically include applying the elements of art and principles of design, along with a study of art and artists from a worldwide perspective, and instruction in the critique process. Advanced courses may encourage students to refine their creative processes and develop their own artistic styles following and breaking from traditional conventions.

Painting 2

Course Number: 9210236G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Painting courses provide a foundation in painting using a variety of techniques and media (such as watercolor, tempera, oils, acrylics), emphasizing observation and interpretation of the visual environment, life drawing, and imaginative painting. These courses typically include applying the elements of art and principles of design, along with a study of art and artists from a worldwide perspective, and instruction in the critique process. Advanced courses may encourage students to refine their creative processes and develop their own artistic styles following and breaking from traditional conventions.

Painting 3

Course Number: 9210237G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Painting courses provide a foundation in painting using a variety of techniques and media (such as watercolor, tempera, oils, acrylics), emphasizing observation and interpretation of the visual environment, life drawing, and imaginative painting. These courses typically include applying the elements of art and principles of design, along with a study of art and artists from a worldwide perspective, and instruction in the critique process. Advanced courses may encourage students to refine their creative processes and develop their own artistic styles following and breaking from traditional conventions.

Painting 4

Course Number: 9210238G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Painting courses provide a foundation in painting using a variety of techniques and media (such as watercolor, tempera, oils, acrylics), emphasizing observation and interpretation of the visual environment, life drawing, and imaginative painting. These courses typically include applying the elements of art and principles of design, along with a study of art and artists from a worldwide perspective, and instruction in the critique process. Advanced courses may encourage students to refine their creative processes and develop their own artistic styles following and breaking from traditional conventions.

Government

Civics

Course Number: 9223161G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Civics courses examine the general structure and functions of U.S. systems of government, the roles and responsibilities of citizens to participate in the political process, and the relationship of the individual to the law and legal system. These courses do not typically delve to the same degree of detail into constitutional principles or the role of political parties and interest groups as do comprehensive courses in U.S. Government.

Health

Health Education

Course Number: 9229051G

Course Level: General or regular

Credits: 1.0

Term Structure: Quarter Grade

Description:

Topics covered within Health Education courses may vary widely, but typically include personal health (nutrition, mental health and stress management, drug/alcohol abuse prevention, disease prevention, and first aid) and consumer health issues. The courses may also include brief studies of environmental health, personal development, and/or community resources.