

**2021-2022**

# **Ferguson Florissant School District**

## **Department and Course Descriptions**



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# English Language Arts

## General Information

Students are offered a comprehensive program of study by the English Language Arts Department. The goal of English study is to develop individuals who can express themselves thoughtfully and precisely, and who can analyze and interpret texts ranging from fiction to non-fiction. The Ferguson-Florissant School District requires four ELA credits to graduate from high school.

## ELA Course Requirements

In order to ensure students are prepared for any post-secondary experiences they may encounter, either in higher education or the workforce, they will need to earn four (4) credits in ELA. All high school students are required to enroll in the following ELA courses (or the course's advanced/honors equivalent):

- 0501 9th Grade Literature/Composition (honors equivalent 0502)
- 0504 10th Grade Literature/Composition (honors equivalents 0506, 0561)
- 0507 11th Grade Literature/Composition (honors equivalent 0509)

It is recommended that Seniors planning to attend college should take 0510 12th Grade Literature/Composition (honors equivalent 0513, 0514, 0570).

Additional ELA course offerings may be taken to supplement these core courses, or to make up a credit needed for graduation.

# English Language Arts

## Courses at a Glance

Course Number	Course Title	Grade Level	Credits Earned	School	Prerequisites Needed
0501	9th Literature/Composition	9	1.0 ELA	MC, N, I	None
0502	Adv. Literature/Composition	9	1.0 ELA	MC, N, S	B average in ELA
0504	10th Literature/Composition	10	1.0 ELA	MC, N, I	None
0506	(H) 10th Literature/Composition	10	1.0 ELA	MC, N, S	A in 0501 or B or higher in 0502
0561	(H) American Studies	10	1.0 ELA	N	B or higher in 0501 or C or higher in 0502
0507	11th Literature/Composition	11	1.0 ELA	MC, N, I	None
0509	(H) 11th Literature/Composition	11	1.0 ELA	MC, N, S	B or higher in 0505 or 0506
0510	12th Literature/Composition	12	1.0 ELA	MC, N	None
0513	(H) AP Literature/ Composition	11 12	1.0 ELA	MC, N, S	Students should demonstrate both interest and proficiency in the analysis of many works of literature through reading, writing, and discussion.
0514	(H) AP Language/ Composition	11 12	1.0 ELA	MC, N, S	Recommend previous experience in Adv/H classes, but not required
0515	Technical Writing: Writing for the Read World	11 12	1.0 ELA	MC, N	None
0516	AP Seminar	11 12	1.0 ELA	MC, S	B or higher in 0506
0517	AP Research	12	1.0 ELA	MC, S	AP Seminar 0516 and Teacher Approval
0520	Applied Communications I	11 12	1.0 ELA	MC, N	None, may be used for alternate credit for 0507 or 12th grade English credit
0521	Applied Communications II	12	0.5 ELA	MC, N	None, may be used for alternate credit for 0510 or 12th grade English credit
0523 0589	Public Speaking (H) Public Speaking	10 11 12	0.5 ELA	MC, N	None
0524	College Speech & Debate	11 12	0.5 ELA	MC, N	None
0530	Creative Writing	11 12	0.5 ELA	MC, N	Teacher Approval w/writing sample
0533	Detective Fiction	11 12	0.5 ELA	MC, N	None
0534	Reading Strategies	All	0.5 ELA	MC, N	None
0550	Introduction to Journalism	All	1.0 Elective	MC, N	None
0551	Adv. Journalism/ Newspaper	10 11 12	1.0 Elective	MC, N	Introduction to Journalism 0550
0552	Adv. Journalism/Yearbook	10 11 12	1.0 Elective	MC, N	Introduction to Journalism 0550
0553	Yearbook/Newspaper	10 11 12	1.0 Elective	MC, N	None
0554	Video Production	10 11 12	0.5 Elective	MC, N	Teacher Approval
0555	Adv. Video Production	11 12	0.5 Elective	MC, N	0554 and Teacher Approval
0556	Applied News Production	11 12	1.0 ELA	MC, N	0554 and Teacher Approval
0557	Film Analysis & Composition	11 12	0.5 Elective	MC, N	None
0558	African American Literature	11 12	0.5 ELA	MC, N	None
0570	(H) Senior Humanities	12	1.0 ELA	MC, N	None
0590	Independent Study: English	11 12	1.0 ELA	MC, N	Permission of Dept. Chair and Principal

# English Language Arts

## Course Descriptions

**Course No:** 0501 9th Literature and Composition  
**Grade Level:** 9  
**Length:** Year  
**Credit:** 1.0 ELA  
**Prerequisite:** None  
**Description:** Students will read a variety of short stories, novels, poetry, plays, and non-fiction. Students will learn and practice essential communication skills such as oral presentation, composition, library research, grammar usage and mechanics, study skills, and note taking. Students will study a variety of literary forms, genres, and devices.

**Course No:** 0502 Advanced Literature and Composition  
**Grade Level:** 9  
**Length:** Year  
**Credit:** 1.0 ELA  
**Prerequisite:** B average in ELA  
**Description:** Students will read a variety of short stories, novels, poetry, plays, and nonfiction. Students will learn and practice essential communication skills such as oral presentation, composition, library research, grammar usage and mechanics, study skills, and note taking. Students will study a variety of literary forms, genres, and devices. Writing and reading levels will be extended beyond what is required in 8th grade Literature and Composition.

**Course No:** 0504 10th Literature and Composition  
**Grade Level:** 10  
**Length:** Year  
**Credit:** 1.0 ELA  
**Prerequisite:** None  
**Description:** Students will read, analyze, and respond orally and in writing to a variety of literature selections and related works of nonfiction. Students will write a variety of essays using writing techniques such as comparison/contrast, persuasion, opinion, and literary analysis. Students will also conduct research and give an oral report and/or exhibition based on that research. Students will improve their vocabulary (including literary terms), continue the study of grammar usage and mechanics, and improve and practice their research skills.

**Course No:** 0506 (H) Literature and Composition  
**Grade Level:** 10  
**Length:** Year  
**Credit:** 1.0 ELA  
**Prerequisite:** A in 0501 or B or higher in 0502  
**Description:** Students will read, analyze, and respond orally and in writing to a variety of literature selections and related works of nonfiction. Students will write a variety of essays using writing techniques such as comparison/contrast, persuasion, opinion, and literary analysis. Students will also conduct research, write a research paper and give an oral report and/or exhibition based on that research. Students will improve their vocabulary (including literary terms), continue the study of grammar usage and mechanics, and improve and practice their research skills. Writing and reading levels will be extended beyond what is required in 10th grade Literature and Composition.

**Course No:** 0561 (H) American Studies  
**Grade Level:** 10  
**Length:** Year  
**Credit:** 1.0 ELA  
**Prerequisite:** B or higher in 0501 or C or higher in 0502  
**Description:** This course is an honors alternative to 0504, survey of American history, literature, and culture. It offers American history and English credits. This course involves in-depth reading and analysis of literature and essay writing. It is strongly recommended that students have an A or B in English and Social Studies. Two hours per day.

# English Language Arts

**Course No:** 0507 11th Literature/Composition

**Grade Level:** 11

**Length:** Year

**Credit:** 1.0 ELA

**Prerequisite:** None

**Description:** Students will read, analyze, and respond orally and in writing to a variety of literature as well as to related works of nonfiction. Students will improve their vocabulary (including literary terms), continue the study of grammar usage and mechanics, and improve and practice their research skills. Students will deepen their understanding of the development of the English language. Through study and reflection, students will become more aware of the tangible link between themselves and the world community.

**Course No:** 0509 (H) Literature/Composition

**Grade Level:** 11

**Length:** Year

**Credit:** 1.0 ELA

**Prerequisite:** B or higher in 0505 or 0506

**Description:** Students will read, analyze, and respond orally and in writing to a variety of literature. Students will write formal compositions, many of which will stress literary analysis. Students will write a research paper using the Modern Language Association (MLA) method of documentation. Students will improve their vocabulary (including literary terms), continue the study of grammar usage and mechanics, and improve and practice their research skills. Students will deepen their understanding of the development of the English language. Through study and reflection, students will become more aware of the tangible link between themselves and the world community. The basic content of this course is the same as 11th grade Literature and Composition except that the reading selections are longer and more challenging. Students are also expected to do more “in-depth” and extensive tasks with stronger emphasis on literary analysis.

**Course No:** 0510 12th Literature/Composition

**Grade Level:** 12

**Length:** Year

**Credit:** 1.0 ELA

**Prerequisite:** None

**Description:** Students will read and respond to a wide variety of contemporary literature as well as to works of nonfiction. Students will write an extensive research paper, write professional documents (such as resumes, cover letters, and college applications), increase their vocabulary, study the etymology of words, and continue the study of grammar usage and mechanics. Students will learn how to use technology to access and utilize information. Students will work toward attaining college-level writing competency in this writing-intensive course.

**Course No:** 0513 (H) AP Literature/Composition

**Grade Level:** 11 12

**Length:** Year

**Credit:** 1 ELA

**Prerequisite:** Students should demonstrate both interest and proficiency in the analysis of many works of literature through reading, writing, and discussion.

**Description:** Students will read and respond to a wide variety of contemporary literature as well as works of nonfiction. Students will write an extensive research paper, write several literary analyses, write professional documents (such as resumes, cover letters, and college applications), increase their vocabulary, and continue the study of grammar usage and mechanics. Students will learn how to use technology to access and utilize information. Students will work toward attaining college-level writing competency in this writing-intensive course. Students will write an eight-to-ten page research paper using the Modern Language Association (MLA) method of documentation. This course will also prepare students to take the AP English Literature and Composition exam.

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**Course No:** 0514 (H) AP Language/Composition  
**Grade Level:** 11 12  
**Length:** Year  
**Credit:** 1 ELA  
**Prerequisite:** Recommend previous experience in Adv/H classes, but not required  
**Description:** This is a rigorous, year-long course focused on the study of rhetoric. Because college-level writing requires that students read closely and extensively from nonfiction sources and write deep and complex prose-synthesizing various sources and citing them accurately, this course will emphasize complex reading and writing from a wide variety of sources. Students will read and write extensively using a well-developed vocabulary and standard English grammar, while also developing their own styles using varied rhetorical strategies.

**Course No:** 0515 Technical Writing: Writing for the Read World  
**Grade Level:** 11 12  
**Length:** Year  
**Credit:** 1 ELA  
**Prerequisite:** None  
**Description:** Technical or professional writing is a high demand job in business and industry throughout the metropolitan area, state, and nation. In this Technical Writing course students will be introduced to the following topics: presentations, proposals, research, using visual aids, writing directions/instructions, informal reports, and technical reports.

**Course No:** 0516 AP Seminar  
**Grade Level:** 11 12  
**Length:** Year  
**Credit:** 1 ELA  
**Prerequisite:** B or higher in 0506  
**Description:** AP Seminar is an interdisciplinary course designed to develop and practice the skills in research, collaboration, and communication that students will need in any academic discipline. Students will investigate topics in a variety of subject areas, write research-based essays, and design and give presentations both individually and as part of a team.

**Course No:** 0517 AP Research  
**Grade Level:** 12  
**Length:** Year  
**Credit:** 1 ELA  
**Prerequisite:** AP Seminar 0516 and Teacher Approval  
**Description:** AP Research is designed to build on what students learned in AP Seminar and to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students will design, plan, and conduct a year-long research based investigation to address a research question. Upon completion of the course, students may be eligible for the AP Capstone diploma.

**Course No:** 0520 Applied Communications I  
**Grade Level:** 11 12  
**Length:** Year  
**Credit:** 1.0 ELA  
**Prerequisite:** None, may be used for alternate credit for 0507 or 12th grade English credit  
**Description:** This course is designed to strengthen students' skills in reading nonfiction and business/technical writing. Students will complete activities designed to sharpen reading, writing, listening, speaking, problem solving, and other skills. Students will work individually and in groups to solve job-related problems and to perform simulated on-the-job writing and speaking tasks. There are no prerequisites for the course, but it is not designed for students who need remedial work in reading and writing skills.

# English Language Arts

**Course No:** 0521 Applied Communications II  
**Grade Level:** 12  
**Length:** Year  
**Credit:** 1.0 ELA  
**Prerequisite:** None, may be used for alternate credit for 0510 or 12th grade English credit  
**Description:** This course is designed to strengthen students' skills in reading nonfiction and business/technical writing. Students will complete activities designed to sharpen workplace reading, business and technical writing, listening, speaking, producing and interpreting graphic information, and utilizing electronic communication. Students will work individually and in groups to solve job-related problems and to perform simulated on-the-job writing and speaking tasks. This course is not designed for students who need remedial work in reading and writing skills.

**Course No:** 0523 Public Speaking 0589 (H) Public Speaking  
**Grade Level:** 10 11 12  
**Length:** Semester  
**Credit:** 0.5 ELA  
**Prerequisite:** None  
**Description:** Students will learn ways to overcome speaking fears and stage fright. Students will deliver informative, demonstrative, persuasive, and impromptu speeches. Students will also learn the basics of oral interpretation and content speaking. Students will improve articulation, enunciation, and diction, and learn to effectively critique an oral presentation.

**Course No:** 0524 College Speech & Debate  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0.5 ELA  
**Prerequisite:** None  
**Description:** Students in this course will learn advanced speech techniques including the eulogy, award speech, and basic debate skills. Students will learn advanced contest speaking methods including original oratory, extemporaneous speaking, and oral interpretation of prose, poetry, and drama. Students will improve articulation, enunciation and diction and learn to effectively critique an oral presentation. Students will learn to adapt literature for performance and basic readers' and chamber theatre techniques. Students may participate in competitive speaking through this course.

**Course No:** 0530 Creative Writing  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0.5  
**Prerequisite:** Teacher Approval w/writing sample  
**Description:** Students will learn to write in several modes: poetry, short story, and memoir. Form and style will be practiced. Students will receive instruction in writing description, dialogue, characterization, and in methods of creating suspense, foreshadowing, irony, etc

**Course No:** 0533 Detective Fiction  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0.5 ELA  
**Prerequisite:** None  
**Description:** This course involves reading, writing, and discussing detective fiction. Students will solve a variety of logic puzzles. Emphasis here is on developing and practicing reasoning skills.

**Course No:** 0534 Reading Strategies  
**Grade Level:** All  
**Length:** Semester  
**Credit:** 0.5 ELA  
**Prerequisite:** None  
**Description:** Developmental reading skills, paragraph and short essay writing, and study skills will be taught. Students will be selected for this course by English Language Arts teachers and school counselors based on the students' reading needs.

# English Language Arts

**Course No:** 0550 Introduction to Journalism

**Grade Level:** All

**Length:** Year

**Credit:** 1.0 Elective

**Prerequisite:** None

**Description:** This course introduces students to the basic concepts and skills of journalism writing and publication work. Emphasis will be placed on identifying news and reporting and writing story types common to scholastic publications. Other topics and skills in this course include editing, headlines, design and press rights and responsibilities. This course is required for students aspiring to become part of the school newspaper or yearbook staff. Students signing up for this course should have a real interest in writing.

**Course No:** 0551 Adv. Journalism/Newspaper

**Grade Level:** 10 11 12

**Length:** Year

**Credit:** 1.0 Elective

**Prerequisite:** 0550 Introduction to Journalism and Teacher Approval

**Description:** This course allows students to use previously learned journalism skills through reporting, editing, designing and publishing the school newspaper. While most of the course relates to these tasks and communicating and working as a staff, students can also expect to complete other journalism related assignments. Students are expected to spend time outside of class to report on, photograph for, and write stories. They will also be held to meeting deadlines regarding the school newspaper. Students should have earned a B or higher in 0550 Introduction to Journalism or have the approval of the instructor. A writing sample may be required.

**Course No:** 0552 Adv. Journalism/Yearbook

**Grade Level:** 10 11 12

**Length:** Year

**Credit:** 1.0 Elective

**Prerequisite:** 0550 Introduction to Journalism and Teacher Approval

**Description:** Students in this course prepare the school's yearbook for publication. They learn how to do layouts for pages, conduct interviews, write copy, picture captions, and headlines, and work cooperatively with others to meet deadlines. Students will be expected to spend some time outside of class to cover stories and/or take pictures. A writing sample may be required.

**Course No:** 0553 Yearbook/Newspaper

**Grade Level:** 10 11 12

**Length:** Year

**Credit:** 1.0 Elective

**Prerequisite:** None

**Description:** Students in this course will prepare the school's yearbook for publication. They learn how to do layouts for pages, conduct interviews, write headlines and copy, create picture captions, and headlines, and work cooperatively with others to meet deadlines. Students will interview others, edit, design and publish the school newspaper. Students will be expected to spend some time outside of class to cover stories and/or take pictures.

**Course No:** 0554 Video Production

**Grade Level:** 10 11 12

**Length:** Semester

**Credit:** 0.5 Elective

**Prerequisite:** None

**Description:** This course brings together two tools—the English language and technology—to create video productions. The class challenges students to work through the creative process, including writing, rehearsing, technical production and evaluating a program's success with a specified audience. Students are admitted to the class only with the permission of the instructor and will be required to have recommendations from present instructors.



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**Course No:** 0555 Adv. Video Production  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0.5 Elective  
**Prerequisite:** 0554 and Teacher Approval  
**Description:** This course allows students to further develop skills gained through 0554. Students complete a variety of productions related to the communication needs of the district staff as well as their own original productions. Students combine writing and the creative process to create scripts for on camera talent as well as voiceovers. Students will gain experience using industry standard digital video and nonlinear editing equipment. Students are admitted to the course only with the permission of the teacher and may be required to have recommendations from teachers.

**Course No:** 0556 Applied News Production  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0.5 Elective  
**Prerequisite:** 0554 and Teacher Approval  
**Description:** This course provides students with the challenge and experience of producing a live daily news program. Students collect and edit news items, write scripts, then perform in front of the camera as well as filling a variety of technical roles behind the scenes. Students gain hands-on experience using industry standard digital video and con-linear equipment. Students are admitted to the course only with the permission of the instructor and may be required to have recommendations from teachers.

**Course No:** 0557 Film Analysis & Composition  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0.5 Elective  
**Prerequisite:** None  
**Description:** Students will view and analyze a wide selection of films from various directors and countries. Selections will emphasize films with significance in the arenas of film history, technique, genre, and/or theme. Students will study and discuss the structure, techniques, history, ideology, and personnel of film making, especially as these concepts apply to a director's overall themes in a film. Students will read and write extensively through reviews, critiques, and comparative analyses. Students will also undertake a research project about directors, genre, or film movements.

**Course No:** 0558 African American Literature  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0.5 ELA  
**Prerequisite:** None  
**Description:** African American Literature will allow students to experience poetry, fiction, and nonfiction written by important African American authors. Students will continue to strengthen their reading, speaking, writing, and research skills as they focus on the influence these writers have on our society. This course will encompass the full spectrum of literature in terms of subject matter, depth, form, and sophistication of writing. Students may study the literary works of writers such as Langston Hughes, Toni Morrison, and W.E.B. DuBois.

**Course No:** 0570 (H) Senor Humanities  
**Grade Level:** 12  
**Length:** Year  
**Credit:** 1.0 ELA  
**Prerequisite:** None  
**Description:** This is a two-hour, team-taught, multi-disciplinary study of the literature, history, philosophy, and arts of major world cultures. Students will learn to analyze and synthesize material in essays and projects.

## English Language Arts

<b>Course No:</b>	0590 Independent Study: English
<b>Grade Level:</b>	11 12
<b>Length:</b>	Year
<b>Credit:</b>	1.0 ELA
<b>Prerequisite:</b>	Permission of Dept. Chair and Principal
<b>Description:</b>	This course is available as a special consideration ONLY to those students whose schedules disallow advanced or honors English courses because of Dual Enrollment or other special programs. Students must see the English Department Chair for approval.

# Mathematics

## General Information

In a sophisticated, technological society, all students need problem-solving skills as consumers of goods and services, taxpayers, and money managers. The scope and sequence of the math curriculum each student takes is determined by ability, interest, career choice, and post-secondary educational plans. The state of Missouri requires that all students take **three** years of mathematics. Achievement in all math courses requires attending class regularly, completing homework, taking notes, asking questions, and studying daily. If a student needs placement in a different course in the math sequence, this may occur prior to the second semester, but the student will continue in the math program if it is a required course (Algebra I, Geometry, or Algebra II).

## Courses at a Glance

Course Number	Course Title	Grade Level	Credits Earned	School	Prerequisites Needed
1101	Algebra I	All	1.0 Math	All	None
1104	Algebra Lab	All	1.0 Elective	MC, N, S	None
1110	Geometry	All	1.0 Math	MC, N, I	1101 Algebra I
1112	(H) Geometry	All	1.0 Math	All	B or higher in 1101 Algebra I
1120	Algebra II	All	1.0 Math	MC, N, I	1110 Geometry or 1112 (H) Geometry
1121	(H) AP Calculus AB	11 12	1.0 Math	All	B or higher in 1170 Pre-Calculus
1122	(H) Algebra II	All	1.0 Math	All	B or higher in 1110 Geometry or 1112 (H) Geometry
1125	(H) AP Calculus BC	11 12	1.0 Math	All	B or higher in 1170 Pre-Calculus
1126	(H) Linear Algebra	11 12	1.0 Math	All	1125 (H) AP Calculus BC
1127	(H) Calculus 3	11 12	1.0 Math	All	1125 (H) AP Calculus BC
1128	(H) Differential Equations	12	1.0 Math	All	1127 (H) Calculus 3
1130	Algebra III	11 12	1.0 Math	All	1110 Geometry or 1112 (H) Geometry AND 1120 Algebra II or 1122 (H) Algebra II
1131	College Algebra	10 11 12	1.0 Math	All	1110 Geometry or 1112 (H) Geometry AND 1120 Algebra II or 1122 (H) Algebra II
1145	Functions & Discrete Math	11 12	1.0 Math	All	1110 Geometry or 1112 (H) Geometry AND 1120 Algebra II or 1122 (H) Algebra II
1170	(H) Pre-Calculus	11 12	1.0 Math	All	1110 Geometry or 1112 (H) Geometry AND 1120 Algebra II or 1122(H) Algebra II (B or higher)
1175	Probability & Statistics	10 11 12	1.0 Math	MC, N, I	1110 Geometry or 1112 (H) Geometry AND 1120 Algebra II or 1122 (H) Algebra II
1176	(H) AP Statistics	11 12	1.0 Math	All	1110 Geometry or 1112 (H) Geometry AND 1120 Algebra II or 1122 (H) Algebra II

# Mathematics

## Course Descriptions

**Course No:** 1101 Algebra I  
**Grade Level:** All  
**Length:** Year  
**Credit:** 1.0 Math  
**Prerequisite:** None  
**Description:** This is the foundation course for all other studies of mathematics. The students will work with algebraic expressions and word problems, solve linear equations and inequalities; make graphs on a number line and in the Cartesian plane; work with square roots, and solve quadratic equations using the quadratic formula. A scientific calculator is needed for this course.

**Course No:** 1104 Algebra I Lab  
**Grade Level:** All  
**Length:** Year  
**Credit:** 1.0 Elective  
**Prerequisite:** None  
**Description:** The curriculum provides interventions for skill deficiencies, reinforces Algebra 1 concepts, and incorporates test-taking strategies to improve achievement on the End of Course Exam. Topics include: solution strategies involving linear and nonlinear equations on the coordinate system; exponents; signed numbers; facility with problems that refer to fractions, decimals and percents; data tables or graphs; and a wide range of word problems that involve rate, proportion, probability, and algebraic solutions.

**Course No:** 1110 Geometry  
**Grade Level:** All  
**Length:** Year  
**Credit:** 1.0 Math  
**Prerequisite:** 1101 Algebra I  
**Description:** This course consists of the fundamental vocabulary, postulates, properties, and theorems of two-dimensional figures and some three dimensional figures. Individual topics covered are points, lines, planes, angles, triangles, quadrilaterals, inequalities, coordinate geometry, area, volume, construction, similarity and parallel lines. Part of this course is the use of problem solving skills and critical thinking to perform deductive two column proofs. A scientific calculator, a compass, protractor, and ruler is needed for this course.

**Course No:** 1112 (H) Geometry  
**Grade Level:** All  
**Length:** Year  
**Credit:** 1.0 Math  
**Prerequisite:** B or higher in 1101 Algebra I  
**Description:** Honors Geometry provides a more in-depth study of Geometry for the highly motivated student. This accelerated course includes all the content of Geometry, with an additional emphasis placed on the use of logic and writing of formal proofs. All topics are covered in more depth; the more difficult applications are routinely assigned. A scientific calculator, a compass, protractor, and ruler is needed for this course.

**Course No:** 1120 Algebra II  
**Grade Level:** All  
**Length:** Year  
**Credit:** 1.0 Math  
**Prerequisite:** 1110 Geometry or 1112 (H) Geometry  
**Description:** This course consists of more advanced topics than those in Algebra I. Topics include real number axioms, absolute value, equations and inequalities, linear equations and inequalities, relations and function, conic sections, rational exponents, radicals, system of equations and related application problems. A TI-83/84 or TI-89 graphing calculator is needed for this course.

# Mathematics

**Course No:** 1121 (H) AP Calculus AB  
**Grade Level:** 11 12  
**Length:** Year  
**Credit:** 1.0 Math  
**Prerequisite:** B or higher in 1170 Pre-Calculus  
**Description:** This is a first course in differential and integral calculus. Topics include derivatives and their application to maximum/minimum and related rate problems, integrals and their application to areas under a curve and volumes of solids of revolution. The content follows the syllabus for the Advanced Placement Exam for Calculus AB. A TI-83/84 or TI-89 graphing calculator is needed for this course.

**Course No:** 1122 (H) Algebra II  
**Grade Level:** All  
**Length:** Year  
**Credit:** 1.0 Math  
**Prerequisite:** B or higher in 1110 Geometry or 1112 (H) Geometry  
**Description:** This course is a study in intermediate algebra, trigonometry, and elementary analytical geometry at an accelerated rate and more in-depth than Algebra II/Trigonometry. Topics covered include: extensive study of Polynomial equations, factoring rules, rational expressions and equations, quadratic, linear, logarithmic and trigonometric functions; applying number systems; conic sections and systems of equations. A TI-83/84 or TI-89 graphing calculator is needed for this course.

**Course No:** 1125 AP Calculus BC  
**Grade Level:** 11 12  
**Length:** Year  
**Credit:** 1.0 Math  
**Prerequisite:** B or higher in 1170 Pre-Calculus  
**Description:** This course is designed to cover two semesters of college calculus material. This course includes an extensive study of functions, graphs, limits, derivatives, integrals, parametric equations, polar coordinates, polynomial approximations and series, and applications of all the above. The content follows the syllabus for the Advanced Placement Exam for Calculus BC. A TI-83/84 or TI-89 is needed for this course.

**Course No:** 1126 Linear Algebra  
**Grade Level:** 11 12  
**Length:** Year  
**Credit:** 1.0 Math  
**Prerequisite:** 1125 (H) AP Calculus BC  
**Description:** An introduction to linear algebra. Topics will include complex numbers, geometric vectors in two and three dimensions and their linear transformations, the algebra of matrices, determinants, solutions of systems of equations, eigenvalues and eigenvectors. A TI-83/84 or TI-89 is needed for this course.

**Course No:** 1127 Calculus 3  
**Grade Level:** 11 12  
**Length:** Year  
**Credit:** 1.0 Math  
**Prerequisite:** 1125 (H) AP Calculus BC  
**Description:** Topics include vectors, cylindrical and spherical coordinates, vector-valued functions, arc length and curvature, functions of several variables, partial and directional derivatives, gradients, extrema, Lagrange multipliers, multiple integrals, change of variables, surface area, vector fields, Stokes' Theorem. A TI-83/84 or TI-89 is needed for this course.

# Mathematics

**Course No:** 1128 Differential Equations  
**Grade Level:** 12  
**Length:** Year  
**Credit:** 1.0 Math  
**Prerequisite:** 1127 (H) Calculus 3  
**Description:** Topics will be chosen from: linear differential equations, equations with constant coefficients, laplace transforms, power series solutions, systems of ordinary differential equations. A TI-83/84 or TI-89 is needed for this course.

**Course No:** 1130 Algebra III  
**Grade Level:** 11 12  
**Length:** Year  
**Credit:** 1.0 Math  
**Prerequisite:** 1110 Geometry or 1112 (H) Geometry AND 1120 Algebra II or 1122 (H) Algebra II  
**Description:** This course will combine algebra, geometry, number theory, probability, rational numbers, irrational numbers, real numbers and conic sections and apply these skills to the real world. It will prepare students for college placement tests that are used to determine where students are placed in math courses. There will be an emphasis on doing algebra without a calculator, since most placement tests do not allow them.

**Course No:** 1131 College Algebra  
**Grade Level:** 10 11 12  
**Length:** Year  
**Credit:** 1.0 Math  
**Prerequisite:** 1110 Geometry or 1112 (H) Geometry AND 1120 Algebra II or 1122 (H) Algebra II  
**Description:** This course will focus on functions and solving equations that have optimal solutions. Topics included are: theory of equations, functions and graphs including polynomial, rational, exponential, and logarithmic, systems of equations, matrices, conic sections, sequences and series, and the binomial theorem. A TI-83/84 or TI-89 is needed for this course.

**Course No:** 1145 Functions & Discrete Mathematics  
**Grade Level:** 11 12  
**Length:** Year  
**Credit:** 1.0 Math  
**Prerequisite:** 1110 Geometry or 1112 (H) Geometry AND 1120 Algebra II or 1122 (H) Algebra II  
**Description:** This course provides opportunities for students to reflect upon and analyze real- word applications from a mathematical perspective. The course content integrates statistical and algebraic concepts and previews calculus in work with functions, limits, and trigonometry. A TI-83/84 or TI-89 graphing calculator is needed for this course.

**Course No:** 1170 (H) Pre-Calculus  
**Grade Level:** 11 12  
**Length:** Year  
**Credit:** 1.0 Math  
**Prerequisite:** 1110 Geometry or 1112 (H) Geometry AND 1120 Algebra II or 1122 (H) Algebra II  
**Description:** Pre-Calculus is the study of the interrelationship between algebra and geometry. Topics covered include algebraic equations for figures intake, Cartesian and Polar planes, extended study of trigonometry, sequences and series, and limits. A TI-83/84 or TI-89 graphing calculator is needed for this course.

# Mathematics

**Course No:** 1175 Probability & Statistics  
**Grade Level:** 10 11 12  
**Length:** Year  
**Credit:** 1.0 Math  
**Prerequisite:** 1110 Geometry or 1112 (H) Geometry AND 1120 Algebra II or 1122 (H) Algebra II  
**Description:** This course is designed as a general-purpose introduction to the field of statistics and probability. The primary objective of this course is to enable students to be wiser users and more critical consumers of statistical material. Topics include organizing and displaying data, analyzing data using measures of central tendency, measures of variation, and measures of relative standing. Probability concepts will also be studied and students will solve problems involving permutations and combinations, probability distributions, the central limit theorem, confidence intervals, and hypothesis testing. A Ti-83/84 or TI-89 is needed for this course.

**Course No:** 1176 (H) AP Statistics  
**Grade Level:** 11 12  
**Length:** Year  
**Credit:** 1.0 Math  
**Prerequisite:** 1110 Geometry or 1112 (H) Geometry AND 1120 Algebra II or 1122 (H) Algebra II  
**Description:** This course is an excellent option for any secondary school student who has successfully completed a second-year course in Algebra and who possesses sufficient mathematical maturity and quantitative reasoning ability. Students may wish to take AP Statistics concurrently with Pre-Calculus or Calculus. This course exposes students to four broad conceptual themes: exploring data, observing patterns and departures from patterns; planning a study, deciding what to measure and how to measure it; anticipating patterns in advance, introducing probability and simulation; and statistical inference, confirming models for explanations of patterns. A TI- 83/84 or TI-89 graphing calculator is needed for this course.

# Science

Ferguson Florissant Science Sequence (Required Courses are Bolded)				
	General Interest	STEAM Career Interest	IB Track	PLTW Biomedical
9th Grade	<b>Physical Science</b>	<b>Biology OR (H) Biology</b>	<b>Biology OR (H) Biology</b>	Principles of Biomedical Science (w/concurrent science recommended <b>Biology</b> )
10th Grade	<b>Biology OR (H) Biology</b>	Chemistry	<b>Chemistry</b>	Human Body Systems (w/concurrent science recommended <b>Chemistry or beyond</b> )
11th Grade	Chemistry (H) AP Environmental Sci (H) Anatomy & Physiology (H) Micro/Genetics Field Biology Forensics I and II Physics Earth Science Oceanography/ Meteorology Birds & Mammals	Chemistry (H) AP Physics I (H) AP Environmental Sci (H) AP Biology (H) AP Chemistry (H) Anatomy & Physiology (H) Micro/Genetics Field Biology Forensics I and II Earth Science Oceanography/Meteorology Birds & Mammals	<b>IB Biology OR IB Environmental Systems</b>	Medical Interventions (w/concurrent science recommended <b>beyond Chemistry</b> )
12th Grade	Chemistry (H) AP Physics I (H) AP Environmental Sci (H) AP Biology (H) AP Chemistry (H) Anatomy & Physiology (H) Micro/Genetics Field Biology Forensics I and II Earth Science Oceanography/Meteorology Birds & Mammals	Chemistry (H) AP Physics I (H) AP Environmental Sci (H) AP Biology (H) AP Chemistry (H) Anatomy & Physiology (H) Micro/Genetics Field Biology Forensics I and II Earth Science Oceanography/Meteorology Birds & Mammals	Chemistry (H) AP Physics I (H) AP Environmental Sci (H) AP Biology (H) AP Chemistry (H) Anatomy & Physiology (H) Micro/Genetics Field Biology Forensics I and II Earth Science Oceanography/Meteorology Birds & Mammals	Biomedical Innovation (w/concurrent science recommended <b>beyond Chemistry</b> )



# Science

## Courses at a Glance

Course Number	Course Title	Grade Level	Credits Earned	School	Prerequisites Needed
1030	Principles of Biomedical Science	All	1.0 Sci	MC, N, S	Concurrent enrollment in 1301 Biology strongly encouraged
1031	Human Body Systems	10 11 12	1.0 Sci	MC, N, S	1030 Principles of Biomedical Science
1132	Physical Science	9 10	1.0 Sci	MC, N, I	None
1300	(H) AP Biology	11 12	1.0 Sci	MC, N, S	Suggested 1301 Biology and 1302 Chemistry
1301	Biology	9 10	1.0 Sci	MC, N, I	None
1304	(H) Biology	9 10	1.0 Sci	MC, N, S	A or B in 8th Grade Science OR A or B in 1132 Physical Science
1302	Chemistry	10 11 12	1.0 Sci	MC, N, S	1301 or 1304
1303	(H) Advanced Chemistry	11 12	1.0 Sci	MC, N, S	B or higher in 1302 Chemistry
1305	Field Biology	10 11 12	1.0 Sci	All	1 credit of Science and Signed Recommendation Form
1308	(H) AP Environmental Science	11 12	1.0 Sci	MC, N	1301 Biology or 1304 (H) Biology
1310	(H) AP Chemistry	11 12	1.0 Sci	MC, N, S	Suggested 1301 Biology and 1302 Chemistry
1312	(H) AP Physics I	11 12	1.0 Sci	MC, N, S	1110 Geometry and 1120 Algebra II Recommended
1315	Medical Intervention	11 12	1.0 Sci	MC, N, S	1030 Principles of Biomedical and 1031 Human Body Systems
1316	Biomedical Innovation	12	1.0 Sci	MC, N, S	1030 Principles of Biomedical Science 1031 Human Body Systems 1315 Medical Intervention
1346	Birds & Mammals	11 12	0.5 Sci	MC, N	None
1348	Earth Science	11 12	0.5 Sci	MC, N	None
1350	(H) Anatomy & Physiology	11 12	1.0 Sci	MC, N, S	1302 Chemistry and 1304 Biology
1352	(H) Microbiology & Genetics	11 12	0.5 Sci	MC, N, S	1302 Chemistry and 1304 Biology
1354	(H) Meteorology	11 12	0.5 Sci	MC	1301/1304 Biology, 1302 Chemistry (or co-enrolled) 1120 Algebra II (or co-enrolled)
1364	Oceanography/Meteorology	11 12	0.5 Sci	MC, N	None
1370	Forensics I	11 12	0.5 Sci	MC, N	2 Science Credits
1371	Forensics II	11 12	0.5 Sci	MC, N	C in 1302 Chemistry and a C in 1304 (H) Biology or B or higher in 1370 Forensics I

# Science

## Course Descriptions

**Course No:** 1030 Principles of Biomedical Science  
**Grade Level:** All  
**Length:** Year  
**Credit:** 1.0 Science  
**Prerequisite:** Concurrent enrollment in 1301 Biology strongly encouraged  
**Description:** Principles of Biomedical Science (PBS) provides an introduction to biomedical science through exciting, hands-on projects and problem-solving experiences. Students investigate concepts of biology and medicine as they explore health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and other infectious diseases.

**Course No:** 1031 Human Body Systems  
**Grade Level:** 10 11 12  
**Length:** Year  
**Credit:** 1.0 Science  
**Prerequisite:** 1030 Principles of Biomedical Science  
**Description:** As the second sequence in the PLTW Biomedical Pathway, Human Body Systems expands on the skills and content taught in PLTW Principles of Biomedical Science. Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis in the body. Exploring science in action, students build organs and tissues on a skeletal Manikin®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases.

**Course No:** 1132 Physical Science  
**Grade Level:** 9 10  
**Length:** Year  
**Credit:** 1.0 Science  
**Prerequisite:** None  
**Description:** Using engineering design, scientific processes, tools of measurement and scientific models, students will investigate the principles and theories that govern the physics and chemistry of the universe. This will include the laws of motion, forces, mechanical systems, work energy, power, waves, sound and light, along with properties of matter, chemical reactions, and reaction types.

**Course No:** 1300 (H) AP Biology  
**Grade Level:** 11 12  
**Length:** Year  
**Credit:** 1.0 Science  
**Prerequisite:** Suggested 1301 Biology and 1302 Chemistry  
**Description:** The AP® Biology course will enable students to spend less time on factual recall and more time on inquiry-based learning of essential concepts, and will help them develop the reasoning skills necessary to engage in the science practices used throughout their study of AP Biology. Students who take AP Biology will also develop advanced inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains. The result will be readiness for the study of advanced topics in subsequent college courses. The AP Biology course is equivalent to a two-semester college introductory biology course and has been endorsed enthusiastically by higher education officials.

# Science

**Course No:** 1301 Biology  
**Grade Level:** 9 10  
**Length:** Year  
**Credit:** 1.0 Science  
**Prerequisite:** None  
**Description:** This course examines the study of the structure of living things, with emphasis on the cell. The cell's environment, reproduction, DNA, and genetics are integral aspects of instruction. Biology also includes the interwoven relationships between living things and their environment. Through the study of ecology topics to be investigated are the diversity of life, changes and adaptations over time and the future consequences of man's impact on the environment. This curriculum will be formulated through the use of the scientific method, inquiry process and demonstration of laboratory skills.

**Course No:** 1304 (H) Biology  
**Grade Level:** 9 10  
**Length:** Year  
**Credit:** 1.0 Science  
**Prerequisite:** A or B in 8th Grade Science OR A or B in 1132 Physical Science  
**Description:** This course includes an in-depth examination of the structure and function of living things, with emphasis on the cell and its parts. In addition, students will study the complex interrelationships between living things and the environment, and investigate additional topics in the area of bioethics, forensic science, and genome. Students in this honors level course will be expected to demonstrate competency in more advanced laboratory techniques, accommodate a more accelerated pace, and address topics in a more in-depth manner than required in Biology.

**Course No:** 1302 Chemistry  
**Grade Level:** 10 11 12  
**Length:** Year  
**Credit:** 1.0 Science  
**Prerequisite:** 1301 Biology or 1304 (H) Biology  
**Description:** This course is the study of composition of substances and their changes and interactions. This study will include the forces, cycles, and events that impact the chemical systems of our planet. The student will become competent in analyzing quantitative and qualitative relationships as applied to chemical change. Students will develop proficiency in a laboratory setting, working cooperatively in heterogeneous groups. Students will also gain an appreciation of the methods of science, the relevance of chemistry in daily life, and the impact of our decisions on the environment. **Since this course has a significant amount of math computations, a B or better (or administrative consent) in Algebra I is recommended.**

**Course No:** 1303 (H) Advanced Chemistry  
**Grade Level:** 11 12  
**Length:** Year  
**Credit:** 1.0 Science  
**Prerequisite:** B or higher in 1302 Chemistry  
**Description:** This course is the study of the fundamental laws and theories of chemistry. A variety of experiments that require complex, detailed calculations will be performed. Students will develop proficiency in laboratory techniques requiring considerable manipulative skill.

# Science

**Course No:** 1305 Field Biology  
**Grade Level:** 10 11 12  
**Length:** Year  
**Credit:** 1.0 Science  
**Prerequisite:** 1 credit of Science and Signed Recommendation Form  
**Description:** Field biology is a science course in which students attend classes at Little Creek Nature Area. Field Biology requires students to spend most of the time outdoors in various types of weather conditions, and appropriate outdoor dress is required. Students will become skilled in the proper care and use of various types of field study equipment, and learn a variety of field study techniques and procedures used in investigating both land and aquatic environments. Proper conservation and land management practices will be included as an important part of course work, and students will participate in a variety of conservation improvement projects (erosion control, trail maintenance, habitat improvements, prairie restoration) at the Little Creek site. Students will work frequently on independent projects requiring both small and large group participation and may periodically assist in working with elementary children visiting and studying at the site.

**Course No:** 1308 (H) AP Environmental Science  
**Grade Level:** 11 12  
**Length:** Year  
**Credit:** 1.0 Science  
**Prerequisite:** 1301 Biology or 1304 (H) Biology  
**Description:** Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. Yet, there are several major unifying themes that cut across the many topics included in the study of environmental science. The following themes provide a foundation for the structure of the course: (1) Science is a process, (2) Energy conversions underlie all ecological processes, (3) The Earth itself is one interconnected system, (4) Humans alter natural systems, (5) Environmental problems have a cultural and social context, (6) Human survival depends on developing practices that will achieve sustainable systems. Students must complete a recommendation form that includes a signature from two previous Science teachers and Department Chair signature.

**Course No:** 1310 (H) AP Chemistry  
**Grade Level:** 11 12  
**Length:** Year  
**Credit:** 1.0 Science  
**Prerequisite:** Suggested 1301 Biology and 1302 Chemistry  
**Description:** AP Chemistry course addresses a model of instruction which promotes enduring, conceptual understandings and the content that supports them. Students will be engaged in inquiry-based learning of essential concepts that helps them develop the reasoning skills necessary to engage in the science practices used throughout their study of AP Chemistry. Students who take AP Chemistry will develop advanced inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains. The result will be readiness for the study of advanced topics in subsequent college courses. The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year.

**Course No:** 1312 (H) AP Physics  
**Grade Level:** 11 12  
**Length:** Year  
**Credit:** 1.0 Science  
**Prerequisite:** 1110 Geometry and 1120 Algebra II Recommended  
**Description:** This course is the study of the relationship between energy and matter, and is explored through demonstrations, laboratory experiences, and quantitative analysis. Students will become scientifically literate citizens with an appreciation of the methods of science, the relevance of physics in daily life, and the impact of our decisions on the environment.

# Science

**Course No:** 1315 Medical Interventions  
**Grade Level:** 11 12  
**Length:** Year  
**Credit:** 1.0 Science  
**Prerequisite:** 1030 Principles of Biomedical and 1031 Human Body Systems  
**Description:** Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options, and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics.

**Course No:** 1316 Biomedical Innovation  
**Grade Level:** 12  
**Length:** Year  
**Credit:** 1.0 Science  
**Prerequisite:** 1030 Principles of Biomedical, 1031 Human Body Systems, 1315 Medical Interventions  
**Description:** In the final course of the PLTW Biomedical Science sequence, students build on the knowledge and skills gained from previous courses to design innovative solutions for the most pressing health challenges of the 21st century. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology. They have the opportunity to work on an independent project with a mentor or advisor from a university, medical facility, or research institution.

**Course No:** 1346 Birds & Mammals  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0.5 Science  
**Prerequisite:** None  
**Description:** This course involves the study of vertebrate biology with an emphasis on birds and mammals. Student investigations include the identification and study of common, native Missouri birds and mammals. Students will be able to identify characteristics of birds and mammals as representatives of the larger group of vertebrate animals. Also included is the comparative study of embryology and development in birds and mammals (humans), along with bird and mammal adaptations. Students will be expected to participate actively in laboratory work and discussions.

**Course No:** 1348 Earth Science  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0.5 Science  
**Prerequisite:** None  
**Description:** This course is the study of the solid earth, including its composition and the processes that shape it. This course will introduce students to how erosional and depositional forces influence the shaping of the earth's surface. The course will also provide students with an understanding of the interrelationships among volcanoes, earthquakes and plate tectonics. The students will demonstrate proficiency in mineral and rock identification. Throughout the course, the responsible use of natural resources and management is emphasized.

**Course No:** 1350 (H) Anatomy & Physiology  
**Grade Level:** 11 12  
**Length:** Year  
**Credit:** 1.0 Science  
**Prerequisite:** 1302 Chemistry and 1304 Biology  
**Description:** The course will study the relationships of human anatomy with regard to cellular, tissue, organ and organ system levels of development in the human body. The student will be required to explain, through laboratory and classroom activities, the functions and levels of human organization. Students will develop proficiency in laboratory skills and in working with classmates in a cooperative group setting.

# Science

**Course No:** 1352 (H) Microbiology & Genetics  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0.5 Science  
**Prerequisite:** 1302 Chemistry and 1304 Biology  
**Description:** The course will study the structure, reproduction, physiology, and identification of microorganisms through classroom information and laboratory activities. Emphasis will be placed on laboratory work and interpreting results. The study of genetics will include DNA, protein synthesis, and setting up genetic problems and interpreting results.

**Course No:** 1354 (H) Meteorology  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0.5 Science  
**Prerequisite:** 1301/1304 Biology, 1302 Chemistry (or co-enrolled), 1120 Algebra II (or co-enrolled)  
**Description:** In this class, students will focus on understanding how processes in the atmosphere dictate the weather around us. Students will learn about the physical atmosphere and how our weather and climate are two distinct elements for describing our atmosphere. Students will study how various characteristics of energy drive all weather processes and dynamics such as our seasons and temperature changes. Formation of clouds, moisture and precipitation will also be studied. Additionally, pressure systems, wind and the general circulation of air, including air masses and weather fronts, will be investigated. Students will learn about and make weather forecasts and research some of the most powerful and dangerous weather events on earth: thunderstorms and tornadoes.

**Course No:** 1364 Oceanography/Meteorology  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0.5 Science  
**Prerequisite:** None  
**Description:** This course is the study of the structure and composition of the ocean and the atmosphere. The course will also explore the relationships, interactions, and effects of the processes that shape, control, and modify the ocean and the atmosphere. Students will study topics that include beach development, ocean waves, tides, ocean currents, as well as the factors that comprise the earth's weather. Students will develop weather forecasts based on information provided to them.

**Course No:** 1370 Forensics I  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0.5 Science  
**Prerequisite:** 2 Science Credits  
**Description:** Forensics I is an introductory course to forensics topics. Students will be asked to read, research, hypothesize, interview, compute and use deductive reasoning to propose crime solutions. The class uses what is actually happening in the community, country and the world as its classroom and lab. As the student's improve on lab skills and procedures, they will exemplify what occurs in solving crimes. The course will make use of the science inquiry process.

# Science

<b>Course No:</b>	1370 Forensics II
<b>Grade Level:</b>	11 12
<b>Length:</b>	Semester
<b>Credit:</b>	0.5 Science
<b>Prerequisite:</b>	C in 1302 Chemistry and a C in 1304 (H) Biology or B or higher in 1370 Forensics I
<b>Description:</b>	Forensic science is the application of science to the law and encompasses various scientific disciplines. Forensics II will introduce various methodologies and applications used in the forensic context. Topics discussed include organic and inorganic chemical analyses of physical evidence, principles of serology and DNA analysis, identification of fresh and decomposed human remains, ballistics, fingerprint analysis, drug analysis, and forensic entomology. This course is designed to provide students with the basic theoretical and philosophical understanding of the investigatory process as well as fundamental investigation techniques such as crime scene analysis, collection, preservation, and testing of evidence, modus operandi, use of technology, types of evidence, and the science of criminal justice. Analysis of problems encountered in interviewing, interrogating, evidence collection, and admissibility will be examined. Application of investigation theories to the administration of justice will also be developed.

# Social Studies

## General Information

Section 170.011, RSOMO requires all high schools to offer the equivalent of one semester of instruction on the institutions, branches, and functions of the government of the State of Missouri, including local government, and of the government of the United States, and in the electoral process. All students must take and pass the course plus pass test(s) on both the United States and Missouri constitutions. The course must be clearly identified on students' transcripts. Students must take the Government course. The state requires one year of U.S. History for graduation.

## Courses at a Glance

Course Number	Course Title	Grade Level	Credits Earned	School	Prerequisites Needed
1502	Geography/Economics	All	0.5 SS	MC, N	None
1503	American History	10 11 12	1.0 SS	MC, N, I	None (Fulfills State of MO requirement)
1504	World History	All	1.0 SS	MC, N, I	None (Fulfills district requirement)
1505	Government	11 12	0.5 SS	All	None (Fulfills State of MO requirement for Gov)
1507	Civic Action	11 12	0.5 SS	MC, N	Pass 1505 Government or ITAP and a passing grade on the Constitution test
1520	(H) American History	10 11 12	1.0 SS	MC, N	B or higher in previous SS class (Fulfills State of MO requirement)
1545	Criminal Justice	10 11 12	0.5 SS	MC, N, S	None
1546	Sociology	11 12	0.5 SS	MC, N	None
1547	(H) AP European History	12	1.0 SS	MC, N	B or higher in previous SS class
1561	(H) American Studies	10	1.0 SS	N	B or higher in previous SS class (Fulfills State of MO requirement)
1564	African American Studies	11 12	0.5 SS	MC, N	None
1565	Psychology I	11 12	0.5 SS	MC, N	None
1566	Psychology II	11 12	0.5 SS	MC, N	None
1567	(H) Social Studies Seminar I	12	0.5 SS	MC, N	B or higher in previous SS class
1568	(H) Social Studies Seminar II	12	0.5 SS	MC, N	B or higher in previous SS class
1585	Current Events	All	0.5 SS	MC, N, I	None
1541/ 1544	(H) World Studies (H) AP World History	10 11 12	1.0 SS	MC, N, S	Be able to read a college level text and write grammatically correct complete sentences
1542	(H) Intro to American Politics	10 11 12	0.5 SS	MC, N	B or higher in previous SS class
1543	(H) Comparative Politics	10 11 12	0.5 SS	MC, N	B or higher in Government or Intro to Amer. Politics
1562	(H) College US History College US History	12	0.5 or 1.0 SS	MC, N, S	Consent of instructor, unweighted GPA of 3.0 or higher, Grade of B or higher in previous SS class
1570	(H) Senior Humanities	11 12	1.0 SS	MC, N	B or higher in previous SS class
1571	(H) College Criminal Justice	11 12	0.5 SS	MC, N, S	Must meet college requirements to take for college credit
1587	(H) Women's Studies	11 12	0.5 SS	MC, N, S	B or higher in previous SS class



# Social Studies

## Course Descriptions

**Course No:** 1502 Geography/Economics  
**Grade Level:** All  
**Length:** Semester  
**Credit:** 0.5 SS  
**Prerequisite:** None  
**Description:** Geography/Economics covers the five themes of geography and relates them to physical geography, cultural geography, and regional studies. The course also surveys major economic concepts such as opportunity cost, supply, and demand. Students will also learn how mixed market economics, like the U.S., work in simple and complex ways. If students previously earned credit for this course in 9th grade, they may not take the course again for additional credit.

**Course No:** 1503 American History  
**Grade Level:** 10 11 12  
**Length:** Year  
**Credit:** 1.0 SS  
**Prerequisite:** None  
**Description:** The course covers the development of the United States from Reconstruction to the present. The growth of the nation as a world power and the push for Civil Rights are two main themes of the course. Another aspect of the course will focus on the social, political, economic, and technological changes that took place during the era.

**Course No:** 1504 World History  
**Grade Level:** All  
**Length:** Year  
**Credit:** 1.0 SS  
**Prerequisite:** None  
**Description:** World History is a general historic survey of the main ideas, themes, groups, and civilizations that have shaped people throughout recorded time. The first semester includes regional studies of the world pre-exploration, the first global age, and World War I. The second semester begins with World War II and then continues a regional approach exploring the Middle East, Africa, Europe, and the Americans including contemporary issues affecting these regions.

**Course No:** 1505 American Government  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0.5 SS  
**Prerequisite:** None  
**Description:** This course focuses on the political, economic, and legal system of the United States, Missouri, and the St. Louis region. Particular focus is given to the constitutions of the United States and the state of Missouri; it is required by law for students to pass the Constitution tests for graduation from high school. In addition to the specifics of our political structures, topics included are the capitalist economic system, domestic policy, and foreign policy.

**Course No:** 1507 Civic Action  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0.5 SS  
**Prerequisite:** Pass 1505 Government or ITAP and a passing grade on the Constitution test  
**Description:** This is a project-based course emphasizing citizen participation in local government to create positive and lasting change. Students will select an issue related to school or community then work through the Constitutional Rights Foundation curriculum for the class. From this initial first issue, students will connect it to public policy, then take peaceful "civic actions" to try to impact their selected issue/problem.

# Social Studies

**Course No:** 1520 (H) American History  
**Grade Level:** 10 11 12  
**Length:** Year  
**Credit:** 1.0 SS  
**Prerequisite:** B or higher in previous SS class  
**Description:** American History is a required course that fulfills the State of Missouri requirement for high school graduates. The course covers the development of the United States from Reconstruction to the present. The growth of the nation as a world power and the push for Civil Rights are two main themes of the course. Another aspect of the course will focus on the social, political, economic, and technological changes that took place during the era.

**Course No:** 1545 Criminal Justice  
**Grade Level:** 10 11 12  
**Length:** Semester  
**Credit:** 0.5 SS  
**Prerequisite:** None  
**Description:** Criminal Justice studies areas of crime and causation, law and law enforcement, courts and constitutional rights, and the corrections system. Students will evaluate their rights and responsibilities as a citizen, while studying the American system of justice.

**Course No:** 1546 Sociology  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0.5 SS  
**Prerequisite:** None  
**Description:** Students will gain an understanding of the major social institutions and basic sociological concepts. Sociology classes will evaluate why societies act as they do, understand the make-up of societal groups and then assess their functions. Students will gain insight into their own relationship with groups as a result of this course.

**Course No:** 1561 (H) American Studies  
**Grade Level:** 10  
**Length:** Year  
**Credit:** 1.0 SS  
**Prerequisite:** B or higher in previous SS class  
**Description:** Honors American Studies is an advanced course that covers our nation's literature and history. The intent of the course is to provide a greater understanding of our heritage by emphasizing points at which history and literature touch. The history component will cover the Reconstruction period until the early 1980's. This course is team- taught and meets for 2 periods per day. Students will receive both English and American History credit for successfully completing the course.

**Course No:** 1564 African American Studies  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0.5 SS  
**Prerequisite:** None  
**Description:** African - American Studies begins with some of the great African civilizations of the past and traces the African Americans cultural heritage to the present. The course examines the origins, growth, characteristics, and eventual elimination of slavery, the contributions made by African - Americans in every war Americans have fought, and the scientific, cultural, political, economic contributions made by African American men and women.

# Social Studies

**Course No:** 1565 Psychology I  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0.5 SS  
**Prerequisite:** None  
**Description:** Psychology is the study of “why we do what we do.” The main emphasis is on probing reasons for behavior. Some of the topics include personality, intelligence, and social psychology. The student will be involved in reading, discussing and analyzing human behavior. Psychology I and II need not be taken in order. However, some students and teachers believe that taking the courses in order will be better for learning the subject.

**Course No:** 1566 Psychology II  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0.5 SS  
**Prerequisite:** None  
**Description:** This course will begin with an examination of mental health and how it is maintained. Concepts such as conflicts, frustrations, and defense mechanisms will be discussed. This will be followed by a comprehensive look at mental illness. Psychology I and II need not be taken in order. Psychology I and II need not be taken in order. However, some students and teachers believe that taking the courses in order will be better for learning the subject.

**Course No:** (H) Social Studies Seminar I  
**Grade Level:** 12  
**Length:** Semester  
**Credit:** 0.5 SS  
**Prerequisite:** B or higher in previous SS class  
**Description:** First semester examines major philosophers and political theorists. Second semester focuses on the development of political ideologies. For most students, this course serves as an introduction to the study of ethics.

**Course No:** (H) Social Studies Seminar II  
**Grade Level:** 12  
**Length:** Semester  
**Credit:** 0.5 SS  
**Prerequisite:** B or higher in previous SS class  
**Description:** For most students, this course serves as an introduction to the study of ethics. The final semester of the course focuses on contemporary issues using the Foreign Policy Association’s “Great Decisions.”

**Course No:** 1585 Current Events  
**Grade Level:** All  
**Length:** Semester  
**Credit:** 0.5 SS  
**Prerequisite:** None  
**Description:** Students will become aware of people, places and events going on in the U.S. and all over the world during the semester they are taking this course. Topics may include government, business, entertainment, psychology, education, geography, conflicts, economics, culture, technology, environment, etc. Students will discuss, debate, and write papers on these topics.

# Social Studies

**Course No:** 1541 (H) World Studies or 1544 (H) AP World History  
**Grade Level:** 10 11 12  
**Length:** Year  
**Credit:** 1.0 SS  
**Prerequisite:** Be able to read a college level text and write grammatically correct complete sentences  
**Description:** World History is a rigorous historic survey of the main ideas, themes, groups, and civilizations that have shaped people throughout recorded time. The course emphasizes thinking historically, thematically, and the use of primary sources. One goal of this course is to help you become "college ready" by challenging you to think deeper and more critically about the past. The first semester covers the dominant characteristics, contributions, and interactions of civilizations of Africa, the Americas, Asia, and Europe until the 18th century. The second semester will cover the same ideas and places but will cover the later part of modern times. Both Western and non-Western elements are covered in the course.

**Course No:** 1542 (H) Intro to American Politics  
**Grade Level:** 10 11 12  
**Length:** Semester  
**Credit:** 0.5 SS  
**Prerequisite:** B or higher in previous SS class  
**Description:** ITAP is an in-depth, advanced study of political science, including constitutional law, government institutions, civil rights and political participation. A thorough study of domestic and foreign policy issues and political ideologies will be done.

**Course No:** 1543 (H) Comparative Politics  
**Grade Level:** 10 11 12  
**Length:** Semester  
**Credit:** 0.5 SS  
**Prerequisite:** B or higher in Government or Intro to Amer. Politics  
**Description:** An introduction to the study of western and non-western political systems, Comparative Politics is a course that will focus on the similarities and differences in basic political ideologies, structures, economies, and government processes of developed and developing countries. The class will examine the government structure and politics of countries in Africa, Asia, Latin America, Europe, and the United States. Students will be required to analyze, synthesize, and evaluate primary and secondary sources. Students must also demonstrate a point of view essay defense with factual rational ideas.

**Course No:** 1562 (H) College US History/College US History  
**Grade Level:** 12  
**Length:** Semester or Year  
**Credit:** 0.5 SS or 1.0 SS  
**Prerequisite:** Consent of instructor, unweighted GPA of 3.0 or higher, Grade B or higher in previous SS class  
**Description:** CUSH is a rigorous and challenging course equivalent to two semesters of US History at universities. In the first semester, students will analyze the early history of North America through the American Civil War. Second semester is an extensive treatment from Reconstruction to modern times. Students will use primary sources, read extensively, and learn to write historically persuasive essays.

**Course No:** 1570 (H) Senior Humanities  
**Grade Level:** 11 12  
**Length:** Year  
**Credit:** 1.0 SS  
**Prerequisite:** Be or higher in previous SS class  
**Description:** This is a two-hour, team-taught, multidisciplinary study of the literature, history, philosophy and arts of major world cultures. Students will learn to analyze and synthesize material in essays and projects.

# Social Studies

**Course No:** 1571 (H) College Criminal Justice  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0.5 SS  
**Prerequisite:** Must meet college requirements to take for college credit  
**Description:** College Criminal Justice is designed to introduce the student to the Criminal Justice System. The student will explore crime and theoretical approaches to criminal behavior, law, and various components of law enforcement (i.e. policing, courts, and corrections). Students will also briefly explore related topics such as criminal justice systems of other countries, drugs, juveniles, terrorism, espionage, and social unrest, as time allows.

**Course No:** 1587 (H) Women's Studies  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0.5 SS  
**Prerequisite:** B or higher in previous SS class  
**Description:** US Women's Studies deals with the social, political, religious, intellectual, technological, and economic contributions of American women the past 400 years. A strong theme of the class will be the evolution of women's civil rights and suffrage during the time. Women's roles and contributions of different periods of US History will be covered as well.

# CTE: Business & Marketing

## General Information

All students enrolled in business and/or marketing classes are encouraged to join the national student organization FBLA (Future Business Leaders of America) and/or DECA (Distributive Education Club of America). FBLA and DECA activities are included in the curriculum for the business and marketing courses. Additional preparation is required for students participating in special projects, competitions, and/or conferences.

## Courses at a Glance

Course Number	Course Title	Grade Level	Credits Earned	School	Prerequisites Needed
0303	Accounting I	10 11 12	1.0 CTE	MC, N, S	None
0304	Computer Business Applications I	All	0.5 CTE	All	None
0305	Computer Business Applications II	All	0.5 CTE	All	0304 Computer Applications I
0342	(H) Business Technology	10 11 12	1.0 CTE	MC, N, S	0304 Computer Applications I
0343	(H) Accounting II	11 12	1.0 CTE	MC, N, S	0303 Accounting I
0347	Introduction to Business	All	0.5 CTE	MC, N, S	None
0348	Business Law	11 12	0.5 CTE	MC, N, S	None
0353 0354 0355 0356	Marketing Experience VI Marketing Experience VII Marketing Experience VIII Marketing Experience IX	11 12	1.0 CTE	MC, N, S	Enrolled in 0368 Fundamentals of Marketing
0357 0358 0359 0360	Business Experience - VI Business Experience - VII Business Experience - VIII Business Experience - IX	11 12	1.0 CTE	MC, N, S	Enrolled in 0342 Business Technology OR Enrolled in 0303 Accounting I or 0343 Accounting II
0361	Personal Finance	10 11 12	0.5 CTE	All	None: Required Course for Graduation
0368	Fundamentals of Marketing	11 12	1.0 CTE	MC, N, S	None
0369	Entrepreneurship - Business	10 11 12	0.5 CTE	MC, N, S	None
0371	Sports & Entertainment Marketing	11 12	0.5 CTE	MC, N, S	None
0379	Entrepreneurship - Marketing	10 11 12	0.5 CTE	MC, N, S	None
0390	(H) AP Business Economics	11 12	1.0 CTE	MC, N	None
0392	Web Design I	10 11 12	0.5 CTE	MC, N, S	0304 Computer Business Applications I
0393	Web Design II	10 11 12	0.5 CTE	MC, N, S	0392 Web Design II
0394	Retailing	10 11 12	0.5 CTE	MC, N	None

# CTE: Business & Marketing

## Course Descriptions

**Course No:** 0303 Accounting I  
**Grade Level:** 10 11 12  
**Length:** Year  
**Credit:** 1.0 CTE  
**Prerequisite:** None  
**Description:** Students will study and apply the skills needed to gather, maintain and interpret financial data. Manual and computer accounting records will be processed using journals and ledgers. Job simulation activities will result in the completion of practice sets and projects. Upon completing this course, student readiness for post- secondary study and/or employability should be enhanced.

**Course No:** 0304 Computer Business Applications I  
**Grade Level:** All  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** None  
**Description:** This course is designed to develop accuracy and speed on the computer keyboard using the touch method. Computer concepts and terminology associated with business applications using Microsoft Office software will be introduced. Students learn to create, edit, and store various documents. Students practice numerous business applications covering the topics of operating systems, word processing, spreadsheets, and electronic presentations. This course covers the same competencies as Keyboarding.

**Course No:** 0305 Computer Business Applications II  
**Grade Level:** All  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** 0304 Computer Business Applications I  
**Description:** This course is designed to provide document processing skills for an entry-level job. Focus will be on the continuation of computer concepts and terminology associated with Microsoft Office. Students will produce various business documents developing advanced word processing, spreadsheet, database, graphics, and electronic presentation skills. This course covers the same competencies as Word Processing.

**Course No:** 0342 (H) Business Technology  
**Grade Level:** 10 11 12  
**Length:** Year  
**Credit:** 1.0 CTE  
**Prerequisite:** 0304 Computer Business Applications I  
**Description:** The student will continue to refine the skills needed to succeed in today's businesses. Students will learn to master Windows operating system and the professional suite of Microsoft Office. They will use technique and speed building software to improve speed and accuracy on the keyboard. Students will explore office trends and learn career and job seeking skills. This course is to be taken with Supervised Business Experience.

**Course No:** 0343 (H) Accounting II  
**Grade Level:** 11 12  
**Length:** Year  
**Credit:** 1.0 CTE  
**Prerequisite:** 0303 Accounting I  
**Description:** The need for financial understanding in one's personal life makes accounting a practical course for all students. This accounting class is an excellent foundation for students seeking additional education in finance and/or business-related programs. Students will apply concepts and skills learned in Accounting I with more emphasis placed on interpretation of data and automated accounting. They will read and discuss problems, complete practice sets, check and correct reports and determine a company's efficiency. Upon completing this course, students' accounting background, for college-bound business students pursuing a degree in Accounting or Business and for future employment, will be enhanced. Students may take this business class to be eligible for the SBE work program. SBE is highly recommended to supplement the coursework.

## CTE: Business & Marketing

**Course No:** 0347 Introduction to Business  
**Grade Level:** All  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** None  
**Description:** Students are introduced to the role of business in the lives of individuals, consumers, workers, and citizens. Coverage includes small-business management, business fundamentals, career planning, social responsibility and ethics, basic economics, technology, financial operations, risk management, consumer decision-making, and insurance. Students will prepare and analyze data as it applies to products/services, budgets, taxes, and economic growth.

**Course No:** 0348 Business Law  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** None  
**Description:** The content includes the basic characteristics of the American System of free enterprise. Some of the topics taught in the course include rights of private property, basic elements of contracts, landlords and tenants, wills and estates, marriage formalities and restrictions, divorce and its legal consequences, and criminal law.

**Course No:** 0353 Supervised Marketing Experience VI  
 0354 Supervised Marketing Experience VII  
 0355 Supervised Marketing Experience VIII  
 0356 Supervised Marketing Experience IX  
**Grade Level:** 11 12  
**Length:** Year  
**Credit:** 1.0 CTE  
**Prerequisite:** Enrolled in 0368 Fundamentals of Marketing  
**Description:** Workplace Readiness provides students with the opportunity to develop skills needed to seek, obtain, and maintain employment. The work portion of the program, CO-OP, allows the student to use released time to work part-time in a marketing position. In addition, the program offers students an opportunity to learn effective communications methods and to develop and practice positive personal and employment traits. For credit, students must work 150 hours per semester per work component and pass the prerequisite course.

**Course No:** 0357 Supervised Business Experience - VI  
 0358 Supervised Business Experience - VII  
 0359 Supervised Business Experience - VIII  
 0360 Supervised Business Experience - IX  
**Grade Level:** 11 12  
**Length:** Year  
**Credit:** 1.0 CTE  
**Prerequisite:** Enrolled in 0342 Business Technology or 0303 Accounting I or 0343 Accounting II  
**Description:** Workplace Readiness provides students with the opportunity to develop skills needed to seek, obtain, and maintain employment. Course content includes career exploration, income tax preparation, computational skills on calculators and microcomputers, word processing, skill development and records management. The work portion of the program, Supervised Business Experience (SBE), allows the student to use released time to work part-time in a business office. In addition, the program offers students an opportunity to learn effective communications methods and to develop and practice positive personal and employment traits. For credit, students must work 150 hours per semester per work component and pass the prerequisite course.



## CTE: Business & Marketing

**Course No:** 0361 Personal Finance  
**Grade Level:** 10 11 12  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** None: Required Course for Graduation  
**Description:** Students are informed of their various financial responsibilities, and provides opportunities for self-awareness, expression, and satisfaction in a highly technical and competitive society. Students discover new ways to maximize their earning potential, develop strategies for managing their resources, explore skills for the wise use of credit, and gain insight into the different ways of managing money such as wages, savings, and investments. Budgeting and expense sources such as food, clothing, shelter, insurance, and taxes will be examined. Income tax forms will be completed.

**Course No:** 0368 Fundamentals of Marketing  
**Grade Level:** 11 12  
**Length:** Year  
**Credit:** 1.0 CTE  
**Prerequisite:** None  
**Description:** The course engages students in the study of marketing trends and skills, advertising and sales techniques, economic factors, professional development, and business/management concepts. Course content includes addressing marketing from the perspective of how it is practiced and uses marketing functions such as promotion, selling and distribution. Students must take this marketing class to be eligible for the CO-OP work program. CO-OP is highly recommended to supplement the coursework.

**Course No:** 0369 Entrepreneurship - Business  
**Grade Level:** 10 11 12  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** None  
**Description:** This course is designed to introduce the student to the requirements of starting and operating a small business. The course focuses on how general business principles and knowledge, primarily management and marketing, pertain specifically to the small business and the entrepreneur. Students are given the opportunity to develop and analyze their management and marketing skills through realistic business start-up exercises and computerized simulations.

**Course No:** 0371 Sports & Entertainment Marketing  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** None  
**Description:** An instructional program that focuses on marketing and management functions and tasks that can be applied in amateur or professional sports or sporting events, entertainment or entertainment events, selling or renting of supplies and equipment (other than vehicles) used for recreational or sporting purposes, products and services related to hobbies or cultural events, or businesses primarily engaged in satisfying the desire to make productive or enjoyable use of leisure time.

**Course No:** 0377 Desktop Publishing I  
**Grade Level:** 10 11 12  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** 0304 Computer Business Applications I  
**Description:** This course is designed to teach the elements of document design such as focus, balance, proportion, contrast, directional flow, consistency, and color. Students will learn to produce appealing layouts for advertisements, brochures, business stationery, flyers, newsletters, etc. Students will use a variety of graphic and desktop publishing software such as Microsoft Word, Microsoft Publisher, Adobe Photoshop, and Adobe InDesign.

## CTE: Business & Marketing

**Course No:** 0378 Desktop Publishing II  
**Grade Level:** 10 11 12  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** 0377 Desktop Publishing I  
**Description:** Students will refine skills and techniques introduced in Desktop Publishing I to create advertisements, brochures, and flyers using Adobe Photoshop, Adobe Illustrator, and InDesign software.

**Course No:** 0379 Entrepreneurship - Marketing  
**Grade Level:** 10 11 12  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** None  
**Description:** This course is designed to introduce the student to the requirements of marketing a small business. The course focuses on how general business principles and knowledge of marketing, pertain specifically to the small business and the entrepreneur. Students are given the opportunity to develop and analyze their management and marketing skills through realistic business start-up exercises and computerized simulations.

**Course No:** 0390 (H) AP Business Economics  
**Grade Level:** 11 12  
**Length:** Year  
**Credit:** 1.0 CTE  
**Prerequisite:** None  
**Description:** AP Business Economics focuses on Micro and Macro Economics concepts in the free enterprise system. As the business environment continues to change, economic decisions, access to capital, consumer credit, and business credit will be directly affected. Students will understand how their roles as citizens, consumers, and customers influence the world of work and business.

**Course No:** 0392 Web Design I  
**Grade Level:** 10 11 12  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** 0304 Computer Business Applications I  
**Description:** This course will provide the student with a solid knowledge base to design, build, manage, arrange and display content for the web. This course will cover the fundamental concepts of Web page design and creation, Web graphics and how the Internet and World Wide Web works. Students will create effective web pages using HTML and XHTML code, CSS (Cascading Style Sheets) and Adobe Dreamweaver utilizing a variety of web browsers.

**Course No:** 0393 Web Design II  
**Grade Level:** 10 11 12  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** 0392 Web Design  
**Description:** This course will provide the student with additional knowledge in web page construction. Students will incorporate animation in web page design with the use of Flash and Fireworks software. Web page layout, navigation and interactivity will be supported with a comprehensive presentation of Adobe Dreamweaver.

## CTE: Business & Marketing

<b>Course No:</b>	0394 Retailing
<b>Grade Level:</b>	10 11 12
<b>Length:</b>	Semester
<b>Credit:</b>	0.5 CTE
<b>Prerequisite:</b>	None
<b>Description:</b>	This class will prepare the student to operate businesses that sell, rent, or lease goods and services. Retailing will help students apply the various skills of personal selling such as retail selling, business to business selling, and trade selling in order to advance to more specialized training in marketing. This course will provide insight into the theory behind buying, storing, pricing, advertising, display selling, financing, and other activities necessary for successful business operations.

# CTE: FACS

## General Information

A grade of C or higher in a prerequisite course is necessary before enrolling in the course at the next level. (Example: A minimum of a C is needed in Nutrition & Wellness before enrolling in Food Science).

The Certificate of Recognition in Family and Consumer Sciences will be awarded to students who meet the following criteria:

- two credits in Family and Consumer Sciences which include at least one of the following courses while maintaining a 3.5 GPA in these courses: Child Development, Care and Guidance II, Food Science, and Housing and Home Furnishings.

Child Development I and II are Tech Prep courses. Any student who has an interest in pursuing a career with children and who wish to participate in this program must enroll in Child Development I their junior year and Child Development II their senior year.

Nutrition and Wellness and Food Science are Tech Prep courses. Students interested in a career in the culinary arts should enroll in Nutrition and Wellness their junior year and Food Science their senior year.

The following policies apply for registration of students into Child Development, Care & Guidance I and II, Child Development, Care & Guidance Practicum, Child Development Center Aide, Career Pathways for the Teaching Profession I, II, or Education Practicum:

- Any student who has been suspended for Type 1 behavior cannot be enrolled in or work with children. An eligibility form must be completed before registering and approved by the Child Development teacher and grade level principal.
- The list of students enrolled in the Child Development programs will be reviewed by the grade level principal, and child development teacher for approval prior to enrollment. An eligibility form must be completed before registering and approved by the Child Development teacher and grade level principal.
- All disciplinary referrals for students working with children should be discussed and a consensus made on the eligibility of the student by the Family and Consumer Sciences Teacher teacher, grade level principal, counselor, and cooperating classroom teacher.
- The childcare staff will refer all problems of high school student behavior to the Family and Consumer Sciences teacher and grade level principal.

\*All students enrolled in Family and Consumer Sciences and Human Services classes are encouraged to join the national student organization FCCLA (Family, Career, and Community Leaders of America). Students who choose to join the organization will need to fundraise or pay a membership fee. FCCLA activities are included in the curriculum for these courses. Additional after school preparation is required for students participating in special projects, competitions and/or conferences.

# CTE: FACS

## Courses at a Glance

Course Number	Course Title	Grade Level	Credits Earned	School	Prerequisites Needed
0901	Nutrition & Wellness	All	0.5 CTE	MC, N	None
0902	Food Science	10 11 12	0.5 CTE	MC, N	C or higher in 0901 Nutrition & Wellness
0904	Family Living	10 11 12	0.5 CTE	MC, N	None
0905	Child Development I	11 12	0.5 CTE	MC, N	Eligibility Form
0906	Child Development II	11 12	0.5 CTE	MC, N	C or higher in 0905 & Eligibility Form
0907	Child Development, Care & Guidance Practicum	11 12	0.5 CTE	MC, N	0905 and 0906 Child Development & Eligibility Form
0908	Housing, Home Furnishing & Equipment	10 11 12	0.5 CTE	MC, N	None
0910	Fashion Design I	All	0.5 CTE	MC, N	None
0911	Fashion Design II	All	0.5 CTE	MC, N	C or higher in 0910 Fashion Design I
0920	Career Pathways for the Teaching Profession	11 12	0.5 CTE	MC, N	C or higher in 0906 Child Development, Care and Guidance II
0921	Career Pathways for the Teaching Profession II	11 12	0.5 CTE	MC, N	C or higher 0920 Career Pathways for the Teaching Profession
0923	ProStart I	11 12	0.5 CTE	MC, N	C or higher in 0902 Food Science
0924	ProStart II	11 12	0.5 CTE	MC, N	0923 ProStart I
0925	ProStart III	11 12	0.5 CTE	MC, N	0924 ProStart II
0926	ProStart IV	11 12	0.5 CTE	MC, N	0925 ProStart III
0927	Educational Practicum	11 12	0.5 CTE	MC, N	0921 Career Pathways for the Teaching Profession

# CTE: FACS

## Course Descriptions

**Course No:** 0901 Nutrition & Wellness  
**Grade Level:** All  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** None  
**Description:** This course will enable students to construct meaning related to nutrition, food economics and ecology; communicate effectively with family members, consumer groups and providers of food and nutrition products and services; discuss problems related to health and wellness, as well as food needs through application of mathematics and science principles; and make responsible decisions involving family and individual food needs, the use of the food dollar and the handling of food.

**Course No:** 0902 Food Science  
**Grade Level:** 10 11 12  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** C or higher in 0901 Nutrition & Wellness  
**Description:** This course is an advanced course that enables students to extend competencies gained in Nutrition and Wellness who are interested in food science, dietetics, and nutrition to construct meaning related to the biochemistry of foods and nutrition; solve problems related to foods and nutrition through the application of scientific principles; and assess the impact of food safety and sanitation on the health and wellness of individuals and families.

**Course No:** 0904 Family Living  
**Grade Level:** 10 11 12  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** None  
**Description:** This course will enable students to construct meaning by interpreting the nature, function and significance of human relationships; communicate effectively with family members and agencies that provide related products and services; solve problems based upon the developmental needs of individuals; and make decisions that strengthen and maintain family relationships, prepare individuals for marriage and parenthood and reduce disruptive conditions that destabilize families.

**Course No:** 0905 Child Development I  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** Eligibility Form  
**Description:** This course enables students to construct meaning pertinent to child care, guidance and supervision; communicate effectively with family members, child care agencies and professional service providers; solve problems based upon the developmental needs of children; make decisions that support the sound physical, mental and social development of children; and assess the impact of the parenting role in society.

**Course No:** 0906 Child Development II  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** C or higher in 0905 Child Development & Eligibility Form  
**Description:** This course is an advanced course that enables students to construct meaning related to the rights of families and the ethical responsibilities of working with children; communicate effectively with family members, child care agencies, and professional service providers; solve problems based upon the developmental needs of children; make decisions that support the sound physical, mental and social development of children; and assess the impact of quality child care on the family and community.

## CTE: FACS

**Course No:** 0907 Child Development, Care & Guidance Practicum  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** C or higher in 0905 and 0906 Child Development & Eligibility Form  
**Description:** This course is an advanced course that enables students to extend competencies gained in Child Development, Care & Guidance I & II who are interested in Early Childhood Education and Services. Students who enroll in this course will be given the opportunity to work daily in the Child Development Center to establish and maintain a safe, healthy learning environment, advance physical and intellectual competence to support social and emotional development to provide positive and productive relationships with families; ensure a well-run, purposeful child care program responsive to participant needs, and maintain a commitment to professionalism.

**Course No:** 0908 Housing, Home Furnishing & Equipment  
**Grade Level:** 10 11 12  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** None  
**Description:** This course enables students to construct meaning related to living environments; communicate effectively with family members and providers of environmentally related products and services; solve problems related to the physical, psychological, and sociological influences that impact families in various living environments; and make the complex, responsible decisions necessary to create desirable living environments.

**Course No:** 0910 Fashion Design I  
**Grade Level:** All  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** None  
**Description:** Be "One of a Kind" and express creativity by learning to utilize skills and information learned in clothing construction. Be able to do repairs, alterations, and crafts for self and family. Use and care of sewing equipment, patterns, fabrics, and the techniques necessary for simple projects will be taught as well as discussion in the areas of clothing choices, wardrobe planning, laundry, shopping, and careers in the field.

Important note: This course is for the beginner. The student will construct a minimum of two simple garments and be prepared to buy the necessary supplies, patterns, and materials for each project by the required date. Having required materials, daily participation, and the ability to work independently toward reaching course goals will be used to measure success in this class.

**Course No:** 0911 Fashion Design II  
**Grade Level:** All  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** C or higher in 0910 Fashion Design I  
**Description:** This is an advanced course in which the student will continue to perfect construction skills already learned and will acquire new sewing techniques. Careers in the fashion industry, history of fashion, and trends in clothing design will be explored. Students must possess skills in self direction and have developed independent work habits.

Students should be prepared to buy the necessary supplies, patterns, and materials for each garment and have them in class on them in class on the required date. If financial assistance is needed, students should contact the instructor and/or appropriate administration before beginning the course. Success in this class largely depends on having the required techniques mastered. An unlined jacket and 2-piece sport outfit are minimum requirements.

## CTE: FACS

**Course No:** 0920 Career Pathways for the Teaching Profession I  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** C or higher in 0906 Child Development, Care & Guidance II and eligibility form  
**Description:** Professional Teaching Careers is a program that focuses on the general theory and practice of learning and teaching, the basic principles of educational psychology, the art of teaching, the planning and administration of educational activities, school safety and health issues, and the social foundations of education. This is a rigorous course and should be considered a college prep course. The program has ties with the Emerson Teacher Leadership Scholars Program at Lindenwood University. This Lindenwood Scholarship program is for students seeking teaching careers in schools located in areas of high need. Students are required to perform pre-service field experiences in school districts located in North St. Louis County and North St. Louis City. Up to \$14,000 in scholarships could be awarded to one qualified applicant, renewable with satisfactory conduct and academic record.

**Course No:** 0921 Career Pathways for the Teaching Profession II  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** C or higher in 0920 Career Pathways for the Teaching Profession I and eligibility form  
**Description:** Career Pathways for the Teaching Profession II continues to focus on the general theory and practice of learning and teaching, the basic principles of educational psychology, the art of teaching, the planning and administration of educational activities, school safety and health issues, and the social foundation of education. This is a rigorous class and should be considered a college prep course. The program has ties with the Emerson Teacher Leadership Scholars Program at Lindenwood University. This Lindenwood Scholarship program is for students seeking teaching careers in schools located in areas of high need. Students are required to perform pre-service field experiences in school districts located in North St. Louis County and North St. Louis City. Up to \$14,000 in scholarships could be awarded to one qualified applicant, renewable with satisfactory conduct and academic record.

**Course No:** 0923 ProStart I  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** C or higher in 0902 Food Science  
**Description:** The ProStart classes are designed to give students experiences in the culinary career pathway. Students will learn about food production, safety, and sanitation. During lab experiences students will prepare meats, stocks, soups, fruits, vegetables, breads, and sandwiches. Students will also be introduced to safe food handling procedures and national safety standards (OSHA).

**Course No:** 0923 ProStart II  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** 0923 ProStart I  
**Description:** ProStart II continues the culinary career preparation started in ProStart I. The students will demonstrate professional food preparation methods and techniques for menu categories to produce a variety of food products that meet customer needs; demonstrate industry standards in selecting, using, and maintaining food production and food service equipment; and demonstrate menu planning principles and techniques based on standardized recipes to meet customer needs. The students will be given the ServSafe Safety and Sanitation exam upon completion of the program of study.



## CTE: FACS

**Course No:** 0923 ProStart III  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** 0923 ProStart II  
**Description:** In ProStart III students will be actively practicing food production, food safety, and sanitation. The food production will focus on industry practices in commercial and in a restaurant setting. Food safety and Sanitation will be reinforced throughout the course.

**Course No:** 0923 ProStart IV  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** 0923 ProStart III  
**Description:** ProStart IV will focus on the business of a restaurant, running the “Front of the House”, and everything it entails. Topics to be covered will include: proper restaurant communication, record keeping, inventory management, human resource policies, staff training, and marketing. A mock restaurant will be set up to run in the Foods Lab, open to building staff, two or three days a week. This “restaurant” will give students a chance to experience different jobs in the culinary industry. All students will be given the Prostart I and Prostart II exams from the National Restaurant Association as the course Technical Skills Attainment (TSA) assessment.

**Course No:** 0927 Educational Practicum  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** 0021 Career Pathways for the Teaching Profession II  
**Description:** The Educational Practicum course will give the high school student an opportunity to observe the theory from the Career Pathways in Education course in action. This course will allow students to sign up for observational experiences with cooperating early childhood, elementary, and secondary education teachers in the district. Monday through Thursday the students will observe in the cooperating teachers classroom. Students will be required to document their observations daily in a journal. Friday the class will meet at their home school to share and discuss their observations from the week.  
**Students will have to provide their own transportation to, and from, the observation site.**

# CTE: Industrial Technology

## Courses at a Glance

Course Number	Course Title	Grade Level	Credits Earned	School	Prerequisites Needed
1001	Computer Aided Drafting	All	0.5 CTE	MC, N	None
1005	Intro to Engineering Design	All	1.0 CTE	MC, N, S	None
1006	Principles of Engineering	10 11 12	1.0 CTE	MC, N, S	1005 Intro to Engineering Design
1007	Digital Electronics	11 12	1.0 CTE	MC, N, S	1005 or 1006 Intro/Principles to Engineering Design
1008	Civil Engineering and Architecture	11 12	1.0 CTE	MC, N, S	1005 Intro to Engineering Design
1013	(H) Computer Integrated Manufacturing	11 12	1.0 CTE	MC, N	1005, 1006 Intro/Principles to Engineering Design or 1007 Digital Electronics
1014	(H) Engineering Design & Development	11 12	1.0 CTE	MC, N	1013 Computer Integrated Manufacturing
1016	Computer Science Essentials	All	1.0 CTE	MC, N, S	None
1041	Materials & Processes	All	0.5 CTE	MC, N	None
1042	Home Maintenance	All	0.5 CTE	MC, N	None
1061	Mechanical Design	All	0.5 CTE	MC, N	1001 Computer Aided Drafting
1062	Architectural Design	All	0.5 CTE	MC, N	1001 Computer Aided Drafting
1066	Wood Technology	All	0.5 CTE	MC, N	1041 Materials & Processes
1068	Carpentry I	11 12	0.5 CTE	MC, N	None
1069	Carpentry II	11 12	0.5 CTE	MC, N	1068 Carpentry I
1070	Metal Technology	All	0.5 CTE	MC, N	1041 Materials & Processes
1072	Technologies	All	0.5 CTE	MC, N	None
1076	(H) Drafting Studio	11 12	1.0 CTE	MC, N	Instructor Approval

# CTE: Industrial Technology

## Course Descriptions

**Course No:** 1001 Computer Aided Drafting  
**Grade Level:** All  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** None  
**Description:** Students will study computer terminology, history, components, applications and design functions. They will also create graphic designs with computers. Students will be exposed to hand sketching, 2D Computer Aided Drafting using AutoCAD software and 3D Parametric Modeling using Inventor software.

**Course No:** 1005 Introduction to Engineering Design  
**Grade Level:** All  
**Length:** Year  
**Credit:** 1.0 CTE  
**Prerequisite:** None  
**Description:** This course teaches problem-solving skills using a design development process. Models of product solutions are created and analyzed in the pre-engineering course sequence. 3D modeling and printing, design problems and challenges as well as teamwork projects are all a part of Introduction to Engineering and the Project Lead the Way curriculum. This course can be taken for honors credit.

**Course No:** 1006 Principles of Engineering  
**Grade Level:** 10 11 12  
**Length:** Year  
**Credit:** 1.0 CTE  
**Prerequisite:** 1005 Introduction to Engineering Design  
**Description:** Students explore technology systems and manufacturing processes; addresses the social and political consequences of technological change. Teamwork, problem-solving, stress analysis and truss design are part of the POE class. Students will have the opportunity for hands-on projects like bridge building, 3D modeling and printing as well as creating computer controlled machines.

**Course No:** 1007 Digital Electronics  
**Grade Level:** 11 12  
**Length:** Year  
**Credit:** 1.0 CTE  
**Prerequisite:** 1005 or 1006 Intro/Principles to Engineering Design  
**Description:** This course in applied logic encompasses the application of electronic circuits and devices. Computer simulation software is used to design and test digital circuitry prior to the actual construction of circuits and devices. This course can be taken for honors credit.

**Course No:** 1008 Civil Engineering & Architecture  
**Grade Level:** 11 12  
**Length:** Year  
**Credit:** 1.0 CTE  
**Prerequisite:** 1005 or 1006 Intro/Principles to Engineering Design  
**Description:** This overview of the fields of civil engineering and architecture emphasizes the inter-relationship and mutual dependence of both fields. Students use state-of-the-art software to solve real world problems and apply knowledge to hands-on projects and activities. By developing and implementing plans for a playground/park or vacation home for example, students experience firsthand the job responsibilities of architects and civil engineers. By the end of the course, students are able to give a complete presentation to the client including three-dimensional renderings of buildings and improvements, zoning and ordinance constraints, infrastructure requirements, and other essential project plans. This course can be taken for honors credit.

# CTE: Industrial Technology

**Course No:** 1013 (H) Computer Integrated Manufacturing  
**Grade Level:** 11 12  
**Length:** Semester (Fall Only)  
**Credit:** 1.0 CTE  
**Prerequisite:** 1005 or 1006 Intro/Principles to Engineering Design or 1007 Digital Electronics  
**Description:** Computer Integrated Manufacturing will link manufacturing processes, computer aided manufacturing (CAM), and computer numerical control (CNC) to create a project. Students will learn about the history of manufacturing, different manufacturing processes, robotics and automation.

**Course No:** 1014 (H) Engineering Design & Development  
**Grade Level:** 11 12  
**Length:** Semester (Spring Only)  
**Credit:** 1.0 CTE  
**Prerequisite:** 1013 Computer Integrated Manufacturing  
**Description:** In the Engineering Design and Development course students will utilize the knowledge gained from previous Project Lead the Way classes to find a solution to an open ended engineering problem. Students will be part of a team working through the design process to complete the assigned project.

**Course No:** 1016 Computer Science Essentials  
**Grade Level:** All  
**Length:** Year  
**Credit:** 1.0 CTE  
**Prerequisite:** None  
**Description:** This course is an excellent entry point for new high school computer science learners. And, students who have prior computer science experiences will have the opportunity to expand upon those experiences in this course. All students who take this course will have many opportunities for creative expression and exploration in topics of personal interest, whether it be through app development, web design, or connecting computing with the real world.

**Course No:** 1041 Materials & Processes  
**Grade Level:** All  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** None  
**Description:** Students will explore the materials (i.e., woods, metals and plastics) used in manufacturing and construction. Processes that can be applied to these materials will also be studied. A special group production project will be an important part of the requirements for this class.

**Course No:** 1042 Home Maintenance  
**Grade Level:** All  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** None  
**Description:** Students will learn basic skills in maintaining a home. This includes techniques in construction, dry walling, plumbing, electric and other home repairs. Projects, such as wall construction, drywall and home wiring are included. Techniques to help maintain a home's energy efficiency and safety are also included in the course. This class is designed for any student that wants to own a home.

**Course No:** 1061 Mechanical Design  
**Grade Level:** All  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** 1001 Computer Aided Drafting  
**Description:** In this course, students will focus on drawing machine parts and tools. Drawings will use geometric construction, auxiliary views, orthographic drawings, isometrics and sectioning views. Students will create parts in 3D and then create assemblies, working drawings and animations. Some parts can be exported to the 3D printer to create a working model of the parts designed.

# CTE: Industrial Technology

**Course No:** 1062 Architectural Design  
**Grade Level:** All  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** 1001 Computer Aided Drafting  
**Description:** In this course, students will focus on drawing machine parts and tools. Drawings will use geometric construction, auxiliary views, orthographic drawings, isometrics and sectioning views. Students will create parts in 3D and then create assemblies, working drawings and animations. Some parts can be exported to the 3D printer to create a working model of the parts designed.

**Course No:** 1066 Wood Technology  
**Grade Level:** All  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** 1041 Materials & Processes  
**Description:** Students will explore the various methods of producing consumer wood products. Machine and power hand tools will be used to construct furniture and accent pieces. Students are expected to complete a small project of their own design.

**Course No:** 1068 Carpentry I  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** None  
**Description:** Carpentry I is the fifth class of the Carpentry program. Students will learn about the different tools and materials used in residential construction. Students will cover the following topics: Construction systems, Construction Planning, Construction Safety (industry and safety standards forming concrete, floor framing, wall framing, roof framing and covering). Each student will be thoroughly tested on all types of machinery (hand held and stationary). Each student will pass a safety test with 100% accuracy.

**Course No:** 1069 Carpentry II  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** 1068 Carpentry I  
**Description:** Carpentry II is the final course of the Carpentry program. Students will work on the following objectives: exterior finishes, interior finishes, basic electrical, basic plumbing, basic HVAC, and leadership skills. Upon completion of the Carpentry program, students will be given the Technical Skill Attainment test and the Pre-Apprentice Certification Training exam. This is a certification from the National Home Builders Association.

**Course No:** 1070 Metal Technology  
**Grade Level:** All  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** 1041 Materials & Processes  
**Description:** Metal Technologies is an in-depth study of the power machine tools used to produce consumer products in the metal working industry. Machining, well as hot metals are studied in Metal Technologies. Welding, casting, machining, and forging are some of the topics covered.

**Course No:** 1072 Technologies  
**Grade Level:** All  
**Length:** Semester  
**Credit:** 0.5 CTE  
**Prerequisite:** None  
**Description:** Using modules, students will explore the technology of lasers, robotics, graphic design, CAC/CAM machines, residential construction, plumbing, wiring, precision measurement, bridge design, auto design, digital photography and welding. Students work with a partner or in a self-directed environment to complete each module. Reading skills should be at grade level.

## CTE: Industrial Technology

**Course No:** 1076 (H) Drafting Studio

**Grade Level:** 11 12

**Length:** Semester

**Credit:** 1.0 CTE

**Prerequisite:** Instructor Approval

**Description:** Students will work on project drawings for contests at the state and national levels, concentrating on their field of choice. Work is equivalent to beginning college work, and college texts are used.

# Performing Arts: Music

## Courses at a Glance

Course Number	Course Title	Grade Level	Credits Earned	School	Prerequisites Needed
1201	Basic Instrumental Music	All	0.5 FA	MC, N	None
1202	Symphonic Band	All	1.0 FA	MC, N	Audition/Teacher Approval
1203	Concert Band	All	1.0 FA	MC, N, S	Audition/Teacher Approval
1204	Marching Band	All	0.25 FA CR/NC	MC, N	Band Instrument Experience Audition/Teacher Approval
1205	Jazz Band	All	1.0 FA	MC, N	Audition/Teacher Approval
1206	(H) Wind Ensemble	All	1.0 FA	MC, N	Audition/Teacher Approval
1210	Orchestra	All	1.0 FA	MC, N, S	Stringed Instruments Experience
1212	(H) Orchestra	All	1.0 FA	MC, N	Audition/Teacher Approval
1221	Mixed Choir I	All	1.0 FA	MC, N, S	None
1222	Concert Choir	10 11 12	1.0 FA	MC, N, S	Audition/Teacher Approval
1223	Women's Chorus	All	1.0 FA	MC, N, S	Audition/Teacher Approval
1224	Men's Chorus	All	1.0 FA	MC, N, S	Audition/Teacher Approval
1225	Adv. Show Choir/Chamber Choir	11 12	1.0 FA	MC, N, S	B or higher in another music ensemble Audition/Teacher Approval
1230	Piano Lab I	All	0.5 FA	MC, N, S	None
1231	Piano Lab II	All	0.5 FA	MC, N, S	C or higher in 1230 Piano Lab I or previous piano experience
1232	Guitar	All	1.0 FA	MC, N	None
1240	Music Survey	All	0.5 FA	MC, N	None
1241	Music Appreciation	All	0.5 FA	MC, N	None
1242 1243	(H) AP Music Theory (H) Music Theory	11 12	1.0 FA	MC, N	Previous music class, able to read and write musical notation, teacher approval, enrollment in at least one performing ensemble

# Performing Arts: Music

## Course Descriptions

**Course No:** 1201 Basic Instrumental Music  
**Grade Level:** All  
**Length:** Year  
**Credit:** 1.0 FA  
**Prerequisite:** None  
**Description:** Students will learn to play a wind instrument. Students will be expected to rent a musical instrument. Some large instruments may be available from the school. No piano, percussion or bass.

**Course No:** 1202 Symphonic Band  
**Grade Level:** All  
**Length:** Year  
**Credit:** 1.0 FA  
**Prerequisite:** Audition/Teacher Approval  
**Description:** Students in this class develop skills in group performance of brass, woodwind, and percussion instruments. While making rigorous demands on students, skills are developed by performing various types of band literature. Throughout the year, students play in concerts, instrumental festivals and at special events. Participants learn to use musical vocabulary, analyze the works of important composers, conductors and performers, and learn about the role of music in our world and other cultures. **Marching Band is required for all students in Symphonic Band first semester that are not in a fall varsity sport, Pom-pom, or Cheerleading.** All students are required to march in parades.

**Course No:** 1203 Concert Band  
**Grade Level:** All  
**Length:** Year  
**Credit:** 1.0 FA  
**Prerequisite:** Audition/Teacher Approval  
**Description:** Students will perform concert band music throughout the year. The Concert Band will perform serious and popular music at two or more concerts per school year. Students are required to participate at all public performances. Home practice is expected. **Marching Band is required for all students in Concert Band first semester that are not in a fall varsity sport, Pom-pom, or Cheerleading.**

**Course No:** 1204 Marching Band (After School - Fall)  
**Grade Level:** All  
**Length:** Quarter  
**Credit:** 0.25 Fine Arts (CR/NC)  
**Prerequisite:** Band Instrument Experience, Audition/Teacher Approval  
**Description:** Performances are given at all home football games. **Marching Band is required for students in Symphonic Band and Concert Band, who are not in a fall varsity sport, Pom-pom, or Cheerleading.** Members receive credit for their participation during the football season and special events. The group attends marching contests and march in parades each year. All marching band members are required to attend the summer marching band camp during which time they will learn to march, and receive music, school owned instruments, and uniforms.

**Course No:** 1205 Jazz Band  
**Grade Level:** All  
**Length:** Year  
**Credit:** 1.0 FA  
**Prerequisite:** Audition/Teacher Approval  
**Description:** Studies may include big band jazz, combos, improvisational techniques, swing, funk, blues, ballads, and Latin musical styles. Students are expected to play well, and be willing to perform for functions outside the normal school day when requested. The bands, in addition to giving concerts, may be asked to perform at festivals, for local organizations, church and civic groups. Members of the jazz band must also be enrolled in Concert, Symphonic, or Wind Ensemble classes.



## Performing Arts: Music

**Course No:** 1206 (H) Wind Ensemble  
**Grade Level:** All  
**Length:** Year  
**Credit:** 1.0 FA  
**Prerequisite:** Audition/Teacher Approval  
**Description:** Wind Ensemble is an honors band class offering the most rigorous curriculum and performance opportunities of all bands. Students must simultaneously be enrolled in Marching Band in order to receive honors credit in Wind Ensemble. Students are expected to participate in Marching Band after school rehearsals, football game halftime shows, and marching festivals. In addition, for the fall semester, wind ensemble students must prepare and audition for All-Suburban Band. For the spring semester, wind ensemble students must participate in the SLSMEA district solo/ensemble festival in March.

**Course No:** 1210 Orchestra  
**Grade Level:** All  
**Length:** Year  
**Credit:** 1.0 FA  
**Prerequisite:** String Instrument Experience  
**Description:** Students in this course acquire skills in orchestral performance. Individual student competence is developed while studying and performing a variety of orchestral literature. Students learn musical vocabulary and gain an understanding of orchestra music. Students may perform in concerts, festivals, and special events. Solo literature and chamber ensembles are also encouraged for those who meet higher levels of performance. Performance at Solo and Ensemble Festival is encouraged. Students participating in orchestra must have an instrument to use for practice at home. Students may purchase, rent, or rent to own instruments from local music stores.

**Course No:** 1212 (H) Orchestra  
**Grade Level:** All  
**Length:** Year  
**Credit:** 1.0 FA  
**Prerequisite:** Audition/Teacher Approval  
**Description:** Placement in this advanced ensemble is by audition and approval of the instructor. This group prepares and performs more advanced works, performing in venues both in and outside of school. In order to receive honors credit, students will have to choose/participate in the following:  
 Semester 1: Audition for all Suburban or All State Orchestra; or, present a research project to their class (topic subject to teacher's approval).  
 Semester 2: Perform at the Solo and Ensemble Festival.

**Course No:** 1221 Mixed Choir I  
**Grade Level:** All  
**Length:** Year  
**Credit:** 1.0 FA  
**Prerequisite:** None  
**Description:** Mixed Choir will be offered to students with a desire to sing. Students will learn music reading, music vocabulary, and singing skills. Each student will demonstrate skills learned by performing individually and in small groups. This ensemble will learn and perform choral literature from various styles and periods. Mixed Chorus will perform annual concerts in addition to festivals and special events. Students will attend mandatory rehearsals in concert preparation. **Mixed Choir can only be retaken with permission of the instructor.**

**Course No:** 1222 Concert Choir  
**Grade Level:** 10 11 12  
**Length:** Year  
**Credit:** 1.0 FA  
**Prerequisite:** Audition/Teacher Approval  
**Description:** Concert Choir is an advanced group that will perform scheduled concerts, special performances, adjudicated festivals, and national competitions. Only the highest-level musicians will be accepted through an audition process. Literature of advanced nature will be studied in depth and students will demonstrate skills through small ensemble performances and individual singing exams. Students must be able to match pitch.

## Performing Arts: Music

**Course No:** 1223 Women's Chorus  
**Grade Level:** All  
**Length:** Year  
**Credit:** 1.0 FA  
**Prerequisite:** Audition/Teacher Approval  
**Description:** This group will study and perform music that is written specifically for female ensembles. A variety of music will be learned and performed in yearly concerts and festivals. Members will attend mandatory rehearsals in concert performance. Students will demonstrate skills learned individually and small groups. Students must be able to match pitch.

**Course No:** 1224 Men's Chorus  
**Grade Level:** All  
**Length:** Year  
**Credit:** 1.0 FA  
**Prerequisite:** Audition/Teacher Approval  
**Description:** This group will study and perform music that is written specifically for male ensembles in TB and TTBB choral arrangements. A variety of music will be learned and performed in yearly concerts and festivals. Members will attend mandatory rehearsals in concert performance. Students will demonstrate skills learned individually and small groups. Students must be able to match pitch.

**Course No:** 1225 Advanced Show Choir/Chamber Singers  
**Grade Level:** 11 12  
**Length:** Year  
**Credit:** 1.0 FA  
**Prerequisite:** Grade of B or higher in another music ensemble, Audition/Teacher Approval  
**Description:** This group will study music of different genres and perform challenging repertoires. Students will attend all performances and extra rehearsals in concert preparation. Students will perform special performances, concerts, festivals and competitions. Honors credit will be available for those students meeting the following criteria:  

1. Audition for All-Suburban Honor Choir
2. Take solos to district festival
3. If students do not meet the preceding criteria, a written assignment will be given with a topic chosen by the instructor. This paper will be ten (10) pages double spaced, include bibliography of at least 5 sources, double spaced, and will follow the MLA writing format.

**Course No:** 1230 Piano I  
**Grade Level:** All  
**Length:** Semester  
**Credit:** 0.5 FA  
**Prerequisite:** None  
**Description:** Piano 1 is a course designed to teach basic piano skills. Students will learn to play simple melodies with harmonizing chords, how to play with both hands, and learn how to read music notation. Students will learn fundamental music theory, and ear training. Students will participate in a recital at the end of the course.

**Course No:** 1231 Piano II  
**Grade Level:** All  
**Length:** Semester  
**Credit:** 0.5 FA  
**Prerequisite:** C or higher in 1230 or past piano experience  
**Description:** Piano II is a course designed for students to expand upon the skills learned in Piano I. Students will learn how to play complex melodies and rhythms with both hands. They will learn to play in different styles including jazz, and blues. Students will take an in-depth look at music theory, and ear training. Students will participate in a recital at the end of the course.

## Performing Arts: Music

**Course No:** 1232 Guitar  
**Grade Level:** All  
**Length:** Year  
**Credit:** 1.0 FA  
**Prerequisite:** None  
**Description:** This course is designed to introduce basic guitar skills and provide experiences to play guitar for pleasure. Both classical and folk guitar will be introduced. Students will learn rudiments of guitar, music theory, and history. A mandatory public recital is held at the end of each semester.

**Course No:** 1240 Music Survey  
**Grade Level:** All  
**Length:** Semester  
**Credit:** 0.5 FA  
**Prerequisite:** None  
**Description:**

**Course No:** 1241 (H) Music Appreciation  
**Grade Level:** 11 12  
**Length:** Year  
**Credit:** 1.0 FA  
**Prerequisite:** at least one year of HS music, C or higher in history course  
**Description:** This non-performance music listening course deals with the study of Baroque, Classical, and Romantic composers, their lives and their music. Handouts, note taking, listening, and lectures will provide material for evaluation. Outside concert attendance is required.

**Course No:** 1242 (H) AP Music Theory or  
 1243 (H) Music Theory  
**Grade Level:** 11 12  
**Length:** Year  
**Credit:** 1.0  
**Prerequisite:** Previous music class and be able to read and write musical notation and teacher approval  
**Description:** This college prep class is limited to juniors and seniors who wish to study the mechanics of music. Ear training, harmonic analysis, and part-writing are taught to prepare the student to compose and arrange music for instruments and/or voices. Previous music training is recommended. Students must be enrolled in at least one performing ensemble.  
*This course follows the syllabus for the Advanced Placement Exam*

# Performing Arts: Theatre

## Courses at a Glance

Course Number	Course Title	Grade Level	Credits Earned	School	Prerequisites Needed
0580	Acting I	All	1.0 FA	MC, N	None
0581	(H) Technical Theatre/ Stagecraft	10 11 12	1.0 FA or 1.0 PA	MC, N	0580 Acting I or 0201 Art Basics Outside work is required for honors credit
0582	Acting II	10 11 12	1.0 FA	MC, N	C or higher in 0580 Acting I
0583	(H) Acting III	11 12	1.0 FA	MC, N	B or higher in 0581 Technical Theatre, 0582 Acting II Outside work is required for honors credit
0584	(H) College Acting and Directing	12	1.0 FA	MC, N	B or higher in 0583 Acting III Outside work is required for honors credit

## Course Descriptions

**Course No:** 0580 Acting I  
**Grade Level:** All  
**Length:** Year  
**Credit:** 1.0 FA  
**Prerequisite:** None  
**Description:** Students in this course will learn the basics of theatrical production through basic acting techniques. This course will focus primarily on improvisation, audience etiquette, pantomime, and how actors use these skills to convey a message. Scripted, improvised, and open-ended scenes will be used. Semester 2 includes scripted acting scenes from classic and contemporary plays and how to use both voice and body to convey a message. Students will justify artistic choices through cultural and historical information. Duet, group scenes, and monologues will be used. Students will also explore career paths in the Performing Arts. Students in this course will be required to participate in an evening theatrical performance. Not preferred for Seniors. Completion of Acting 1 in Middle School eliminates this course.

**Course No:** 0581 (H) Technical Theatre/Stagecraft  
**Grade Level:** All  
**Length:** Year  
**Credit:** 1.0 FA or PA (must declare type of credit at beginning of class)  
**Prerequisite:** Acting I or 0201 Art Basics  
**Description:** Students in Technical Theatre will learn all the aspects of theatrical production including set design, set construction, props and properties, costuming, makeup, crafts, stage lighting, sound, special effects, and publicity. Students will learn the entire technical process from design to execution using appropriate technology. Students will justify artistic choices through cultural and historical information. Students will explore career paths in Theatre Tech. Students will be required to complete after-school work on school productions and will be required to pass a safety test before using any power tools. Through dramatic criticism, students will review one outside theatrical production each semester. Students in Technical Theatre will design and build the scenery for plays and develop a technical portfolio. Outside work is required for Honors credit.

**Course No:** 0582 Acting II  
**Grade Level:** All  
**Length:** Year  
**Credit:** 1.0 FA  
**Prerequisite:** C or higher in 0580 Acting I  
**Description:** Students in Acting II will study multiple acting theorists and techniques. Students will explore different genres of acting including advanced improvisation and children's theatre. Students will explore creative movement, monologues, duet scenes, and large group scene work and will justify artistic choices through cultural and historical information. Outside theatre work is required in this course. Through dramatic criticism, students will be expected to review one professional play each quarter. Basic technical theatre will be introduced through children's theatre as students will adapt and perform a piece of drama for area elementary schools.

# Performing Arts: Theatre

**Course No:** 0583 (H) Acting III  
**Grade Level:** 10 11 12  
**Length:** Year  
**Credit:** 1.0 Fine Arts  
**Prerequisite:** B or higher in 0581 Technical Theatre or 0582 Acting II  
**Description:** This course focuses on the differences in acting styles. Students in Honors Acting will study multiple acting theorists and techniques including the theories of Uta Hagen. Method acting will be explored. Students will explore multiple forms of acting including classical and contemporary comedy and drama, musical theatre, stage combat, and chamber theatre. Accents and dialects will be taught through the international phonetic alphabet. Students will explore monologues, duet scenes, and large group scene work and will justify artistic choices through cultural and historical information. Theatrical careers will also be explored and students will perform a one-act or multiple-act play. Outside theatre work in each production is required in this course. Through dramatic criticism, students will be expected to review one professional play each quarter. Students in this course will also prepare a college acting audition.

**Course No:** 0584 (H) College Acting and Directing  
**Grade Level:** 12  
**Length:** Year  
**Credit:** 1.0 FA  
**Prerequisite:** B or higher in 0583 Acting III  
**Description:** Students in this course will study multiple acting theorists and techniques. Multiple master teachers' approaches will be discussed and applied, including many of the theories of Meisner, Brecht, Adler, Boleslavsky, Spolin, Heathcote, Stanislavski, Alexander, Growtowski, Artaud, Brooke, Suzuki, Viewpoints. and Hagen. Method acting and actors' tendencies will be introduced and explored. Students will explore multiple forms of acting including classical and contemporary comedy and drama. Students will explore monologues, duet scenes, and large group scene work and will justify artistic choices through cultural and historical information. The basics of both scene and play direction will be discussed as well as career paths in the Performing Arts. Through dramatic criticism, students will be expected to review through dramatic criticism one professional play each quarter. Students in this course will also prepare a college acting audition. This course may be taken for up to three hours of college credit. Outside theatre work in each production is required in this course.

# Fine Arts, Visual Arts

## General Information

All visual art courses are designed to give students an opportunity to explore the power of visual communication with a variety of different media & techniques. ***Everything that you see, purchase, use, and consume is designed and marketed by someone.***

Careers that begin with Art education include, but are not limited to:

Advertising	Stage, film & Theatre:	Illustration
Animation	Set design	Interior architecture
Tech App Design	Costume design	Lighting design
Architecture	Lighting design	Makeup artist
Art curation	Marketing	Package design
Art education	Fashion design	Photography
Art therapy	Film making	Printmaking / screen printing
Automotive design	Furniture design	Product design
Brand Management	Graphic Novels	Set design
Communication design	Historic preservation	Social Media Marketing
Video Game Design	Housewares design	Sustainable design

## Courses at a Glance

Course Number	Course Title	Grade Level	Credits Earned	School	Prerequisites Needed
0201	Art Basics	All	0.5 FA	All	None
0240	Drawing I	All	0.5 FA	All	Art Basics
0241	Drawing II	10 11 12	0.5 FA	MC, N, S	Drawing I
0242	Ceramics I	All	0.5 FA	MC, N, S	Arts Basics
0243	Ceramics II	10 11 12	0.5 FA	MC, N, S	Ceramics I
0245	Graphic Design I	All	0.5 FA	MC, N, S	Art Basics
0246	Graphic Design II	10 11 12	0.5 FA	MC, N, S	Graphic Design I
0248	Jewelry I	All	0.5 FA	MC, N	Art Basics
0251	Painting I	10 11 12	0.5 FA	MC, N, S	Art Basics and 0240 Drawing I
0252	Painting II	10 11 12	0.5 FA	MC, N, S	Painting I
0254	Sculpture I	All	0.5 FA	MC, N	Art Basics
0255	Sculpture II	10 11 12	0.5 FA	MC, N	Sculpture I
0257	Air Brush I	All	0.5 FA	MC, N	Art Basics
0258	Air Brush II	10 11 12	0.5 FA	MC, N	Air Brush I
0260	(H) Adv. Art Studio	10 11 12	0.5 FA	MC, N, S	Success in at least 3 Art Classes
0261	(H) AP Art Studio	11 12	0.5 FA	MC, N	Success in at least 3 Art Classes
0263	(H) AP Art History	11 12	1.0 FA	MC, N	Success in at least 3 Art Classes

# Fine Arts, Visual Arts

## Course Descriptions

**Course No:** 0201 Art Basics  
**Grade Level:** All  
**Length:** Semester  
**Credit:** 0.5 FA  
**Prerequisite:** None  
**Description:** Students explore, design, produce, and present artworks created with a variety of tools and techniques. Students learn to apply the Elements & Principles of design to practice work and their own art production. Activities include discovering artists and artworks, talking and writing about art, experimenting with new tools, materials and processes and producing student-designed projects to demonstrate learning. Students may enroll in additional Art classes after they have successfully completed Art Basics.

**Course No:** 0240 Drawing I  
**Grade Level:** All (2nd Semester Only for Freshmen)  
**Length:** Semester  
**Credit:** 0.5 FA  
**Prerequisite:** Art Basics  
**Description:** Drawing students use a variety of drawing tools and techniques to expand their ability to compose and produce drawings with more proficient composition and technical skills. Drawing materials may include ebony, charcoal, colored pencils, scratchboard, oil pastel, chalk pastel, ink, watercolor pencils, ink wash, and more. Drawing projects can include still life, portraiture, landscapes, abstracts and mixed media work.

**Course No:** 0241 Drawing II  
**Grade Level:** 10 11 12  
**Length:** Semester  
**Credit:** 0.5 FA  
**Prerequisite:** 0240 Drawing I  
**Description:** Drawing II students continue to develop more advanced drawing techniques using a variety of dry media, mixed-media, and new techniques. Students examine the works of others as well as critique their own works. Drawing II produces portfolio-quality work for students interested in the arts.

**Course No:** 0242 Ceramics I  
**Grade Level:** All (2nd Semester Only for Freshmen)  
**Length:** Semester  
**Credit:** 0.5 FA  
**Prerequisite:** 0201 Art Basics  
**Description:** Ceramics I students learn clay construction and finishing techniques applied to a variety of projects. Students study various 3-D forms then design, construct, and apply different surface finishes to their pottery. Hand-built coil, slab, and sculpted construction techniques are emphasized. Students study ceramic artists and art styles to learn design, construction, and decoration techniques for ceramic works from different times, cultures, and locations.

**Course No:** 0243 Ceramics II  
**Grade Level:** 10 11 12  
**Length:** Semester  
**Credit:** 0.5 FA  
**Prerequisite:** 0242 Ceramics I  
**Description:** Ceramics II students pursue advanced clay building and decorating techniques. Construction methods may include an introduction to the clay extruder and additional work on the potter's wheel. Students research and emulate the techniques of other ceramic artists to explore new influences for their portfolio of work.

## Fine Arts, Visual Arts

**Course No:** 0245 Graphic Design I  
**Grade Level:** All (2nd Semester Only for Freshmen)  
**Length:** Semester  
**Credit:** 0.5 FA  
**Prerequisite:** 0201 Arts Basics  
**Description:** Graphic Design students are introduced to basic graphic design and production skills including lettering, illustration, and composition layout. Both board work and digital technology will be used to solve graphic design challenges. A background in drawing is desirable. Graphic Design is a good fundamental course for students interested in commercial applications of art skills.

**Course No:** 0246 Graphic Design II  
**Grade Level:** 10 11 12  
**Length:** Semester  
**Credit:** 0.5 FA  
**Prerequisite:** 0245 Graphic Design I  
**Description:** Graphic Design II students will enhance their graphic design skills with deeper understanding of digital media tools & software applied to more complex challenges. A background in drawing is desirable.

**Course No:** 0248 Jewelry I  
**Grade Level:** All (2nd Semester Only for Freshmen)  
**Length:** Semester  
**Credit:** 0.5 FA  
**Prerequisite:** 0201 Art Basics  
**Description:** Jewelry students will learn basic skills of fabricating and combining materials to create jewelry (wearable art). Raw material craftsmanship skills may include sawing, filing, drilling, riveting, forming, cold joining, soldering, or casting. Additional skills like chain making or lamp-wicking may be explored. Students must pass a safety test to use equipment.

**Course No:** 0251 Painting I  
**Grade Level:** 10 11 12  
**Length:** Semester  
**Credit:** 0.5 FA  
**Prerequisite:** 0201 Art Basics and 0240 Drawing I  
**Description:** Painting students will explore a variety of paints, paint surfaces, and paint application techniques to create artworks from several genres (portraits, still lifes, landscapes, abstracts). Painting I reviews and applies composition strategies and the Elements & Principles of design with special emphasis on Color, Value & Texture. Learning activities include studying art and artists, talking and writing about art, experimenting with water based media and different surfaces, then designing and producing artworks to demonstrate student learning. Painting supplies are provided for class use.

**Course No:** 0252 Painting II  
**Grade Level:** 10 11 12  
**Length:** Semester  
**Credit:** 0.5 FA  
**Prerequisite:** Painting I  
**Description:** Students apply advanced techniques of painting while creating a series of self-portraits, abstracts, still lifes, landscapes, and nature studies. An in-depth study of color theory and experiments with advanced composition and application techniques culminate in a portfolio of artworks.



## Fine Arts, Visual Arts

**Course No:** 0254 Sculpture I  
**Grade Level:** All (2nd Semester Only for Freshmen)  
**Length:** Semester  
**Credit:** 0.5 FA  
**Prerequisite:** 0201 Art Basics  
**Description:** In this exploration of three-dimensional art, students create 3-dimensional artworks using materials like clay, plaster, wood, foamboard, wire, found objects, paper mache, textiles, paper, and metals. Sculpting techniques include both additive and subtractive building methods and experiments with surface finishes.

**Course No:** 0255 Sculpture II  
**Grade Level:** 10 11 12  
**Length:** Semester  
**Credit:** 0.5 FA  
**Prerequisite:** 0254 Sculpture I  
**Description:** Students learn advanced techniques in three-dimensional design using sculpture tools and materials. Students self design and create human, animal, and abstract forms. Exploration of different 3D art forms, cultures and art movements expands students' understanding of both functional and decorative forms.

**Course No:** 0257 Air Brush I  
**Grade Level:** All (2nd Semester Only for Freshmen)  
**Length:** Semester  
**Credit:** 0.5 FA  
**Prerequisite:** 0201 Art Basics  
**Description:** Students learn and apply basic illustration techniques using the airbrush and a variety of supplemental media. Airbrush instruction includes basic operation of airbrush and compressors, airbrush maintenance, and painting basics. Painting skills focus on the use of color, value, composition, strategies and creating the illusion of depth. Students are expected to have some drawing ability.

**Course No:** 0258 Air Brush II  
**Grade Level:** 10 11 12  
**Length:** Semester  
**Credit:** 0.5 FA  
**Prerequisite:** 0257 Air Brush I  
**Description:** Students learn and apply techniques to advanced painting projects. Projects include more in-depth study of composition strategies, textural work, and art history.

**Course No:** 0260 (H) Advanced Art Studio  
**Grade Level:** 10 11 12  
**Length:** Semester  
**Credit:** 0.5 FA  
**Prerequisite:** Success in at least 3 art classes  
**Description:** Advanced art students apply inquiry-based learning to develop a portfolio of work. Students independently research artists from other times, places, and cultures to learn new composition, design and production techniques. Students experiment, practice, and apply new skills to produce self-designed artworks in a semester portfolio. Successful students have a strong interest in art, can work well independently, and are willing to devote time outside of class to produce a body of artworks. Students may take this course for more than one semester.

## Fine Arts, Visual Arts

<b>Course No:</b>	0261 (H) AP Art Studio
<b>Grade Level:</b>	11 12
<b>Length:</b>	Semester
<b>Credit:</b>	0.5 FA
<b>Prerequisite:</b>	Success in at least 3 art classes
<b>Description:</b>	Advanced Placement (AP) art students will develop a portfolio of work to meet the Advanced Placement Studio Art portfolio requirements. Students use an inquiry-based approach to study artworks, artists and art movements from different times, places and cultures to expand their design and production skills. Students should enroll in at least 2 semesters, have a strong interest in art and be willing to devote time outside of class to their portfolio work.

<b>Course No:</b>	0257 (H) AP Art History
<b>Grade Level:</b>	11 12
<b>Length:</b>	Year
<b>Credit:</b>	1.0 FA
<b>Prerequisite:</b>	Success in at least 3 art classes
<b>Description:</b>	Advanced Placement (AP) Art History provides an understanding and appreciation of architecture, sculpture, painting, and other visual art forms within historical and cultural contexts. It covers material similar to that covered in a college introductory art history course. Students will learn to look at works of art critically and to analyze what they see.

# **Health & Physical Education**

## **General Information**

Students are offered a comprehensive program by the Physical Education Department. The goal of physical education is to develop physically educated individuals who have the knowledge, skills, and confidence to enjoy a lifetime of healthful physical activity and nutritional habits.

## **Graduation Requirements**

High school students will need to earn one and one-half (1.5) credits in Physical Education and one-half (.5) credit in Health. Freshman students are required to take one semester of 0801 Health and Wellness and one semester of either 0802 Boys Fitness for Life or 0803 Girls Fitness for Life. Principal approval may allow these courses to be taken later if a conflict occurs. Both Health and Fitness for Life are required for graduation. An additional two elective physical education courses must then be taken to fulfill graduation requirements in Physical Education. It is recommended that students take only one physical education course per semester. After earning 1.0 unit of Physical Education credit, courses may be duplicated for elective credit.

All students enrolled in Physical Education courses are required to take the DESE Physical Fitness Assessment. Nutrition awareness and weight management will be addressed in every Physical Education course.

## **Classroom Procedures**

At the beginning of each course, the teacher will discuss expectations concerning the use and care of equipment, grading, safety, injuries, medical excuses, make- up, lockers, truancies, dress code, and personal hygiene stated in the Ferguson- Florissant School District's High School Physical Education Guidelines.

All students enrolled in Physical Education courses are required to follow the approved dress code for Physical Education. Lockers are provided for students to store clothing. Not participating in class will result in a reduction to the student's grade. Activities listed in the course descriptions are subject to change according to the size of enrollment, inclement weather, or availability of space. If students miss physical education classes, PE make-up is available to help students to progress academically. Students should see their instructor for a schedule of make-up times and days. Activity based homework is an integral part of course requirements in physical education classes.

# Health & Physical Education

## Courses at a Glance

Course Number	Course Title	Grade Level	Credits Earned	School	Prerequisites Needed
0801	Health & Wellness	9	0.5 Health	All	None
0802	Boy's Fitness for Life	9	0.5 PE	All	None
0803	Girl's Fitness for Life	9	0.5 PE	All	None
The above courses are required for graduation					
0804	Recreational & Lifetime Activities, Co-Ed	All	0.5 PE	All	0802 or 0803 Fitness for Life (9th grade 2nd semester only)
0806	Boys' Team Sports & Games	All	0.5 PE	All	0802 or 0803 Fitness for Life (9th grade 2nd semester only)
0807	Girls' Team Sports & Games	All	0.5 PE	All	0802 or 0803 Fitness for Life (9th grade 2nd semester only)
0808	Aerobics & Exercise	All	0.5 PE	McC, McN	0802 or 0803 Fitness for Life (9th grade 2nd semester only)
0809	Power Walking for Fitness	All	0.5 PE	All	0802 or 0803 Fitness for Life (9th grade 2nd semester only)
0810	Boys Strength Training & Conditioning	All	0.5 PE	All	0802 or 0803 Fitness for Life (9th grade 2nd semester only)
0811	Girls Strength Training & Conditioning	All	0.5 PE	All	0802 or 0803 Fitness for Life (9th grade 2nd semester only)
0812	Outdoor/Adventure Pursuits	11 12	0.5 PE	All	Fitness for Life
0814	Advanced Co-Ed Strength Training & Conditioning	10 11 12	0.5 PE	All	A or B in 0810 or 0811 Strength Training & Conditioning
0815	Boys Beginning Aquatics	All	0.5 PE	S	0802 or 0803 Fitness for Life (9th grade 2nd semester only)
0816	Girls Beginning Aquatics	All	0.5 PE	S	0802 or 0803 Fitness for Life (9th grade 2nd semester only)

# Health & Physical Education

## Course Descriptions

**Course No:** 0801 Health & Wellness  
**Grade Level:** 9  
**Length:** Semester  
**Credit:** 0.5 PE  
**Prerequisite:** None  
**Description:** This comprehensive course provides exposure to a variety of health topics and contemporary issues that addresses the overall wellness of an individual. Topics include the structure and functions of the human body, mental health (social & emotional), personal and family wellness, nutrition, consumer health and safety, life management skills, disease prevention and control, injury prevention and safety, substance education, and environmental health.

**Course No:** 0802 Boys Fitness for Life  
 0803 Girls Fitness for Life  
**Grade Level:** 9  
**Length:** Semester  
**Credit:** 0.5 PE  
**Prerequisite:** None  
**Description:** This required 9th grade course emphasizes the importance of physical activity and its benefits on health and quality of life. It combines the classroom with the physical activity setting to develop and enhance knowledge and application of various fitness components necessary for personal fitness program development. Students will engage in a variety of physical activity experiences with an emphasis on portfolio self-assessment, achievement, and maintenance or improvement of personal health- related fitness goals that will promote a lifetime of fitness. Students are required to take the Physical Fitness Test.

**Course No:** 0804 Recreational & Lifetime Activities-Co-ed  
**Grade Level:** All  
**Length:** Semester  
**Credit:** 0.5 PE  
**Prerequisite:** 0802 or 0803 Fitness for Life  
**Description:** This course includes a variety of recreational sports, games and activities that promotes a lifetime of physical fitness and personal enjoyment. Instruction emphasizes the exploration and development of skills, rules, strategies and knowledge of various recreational and lifetime activities as well as the health benefits received from each. Students enrolled may take field trips to enhance class instruction and off campus facilities may be used for enrichment activities. Students are required to take the Physical Fitness Test. Field trips may require students to pay a nominal fee.

**Course No:** 0806 Boys Team Sports & Games  
 0807 Girls Team Sports & Games  
**Grade Level:** All  
**Length:** Semester  
**Credit:** 0.5 PE  
**Prerequisite:** 0802 or 08003 Fitness for Life  
**Description:** This course includes a variety of team sports and games. Instruction emphasizes the development and improvement of skills, rules, strategies, and knowledge of various team sports and activities as well as the health benefits received from each. Class activities will address understanding and development of skill related fitness components, principles of movement, training principles and injury prevention, coaching, and officiating mechanics. Students are required to take the Physical Fitness Test.

# Health & Physical Education

**Course No:** 0808 Aerobics & Exercise  
**Grade Level:** All  
**Length:** Semester  
**Credit:** 0.5 PE  
**Prerequisite:** 0802 or 0803 Fitness for Life  
**Description:** This course emphasizes the principles of movement, exercise, aerobic conditioning, and dance. A variety of moderate to vigorous activities that are fun and enjoyable are included in the course that will promote optimal fitness improvement in health-related fitness components based on an individual's current fitness level. Diet, nutrition, and weight management will also be addressed. Students are required to take the Physical Fitness Test.

**Course No:** 0809 Power Walking for Fitness  
**Grade Level:** All  
**Length:** Semester  
**Credit:** 0.5 PE  
**Prerequisite:** 0802 or 0803 Fitness for Life  
**Description:** This is a co-educational high-level power walking class held outdoors that will exercise the body and mind. Power walking, alternative aerobic activities, exercise principles, and health and nutritional concepts will be addressed in this course. Students should dress appropriately (sweat pants, hooded sweatshirts, and gloves) for outdoor off-campus walking or other fitness related activities. Pedometers and heart rate monitors are utilized to develop and monitor student performance. Students are required to take the Physical Fitness Test.

**Course No:** 0810 Boys Strength Training & Conditioning  
 0811 Girls Strength Training & Conditioning  
**Grade Level:** All  
**Length:** Semester  
**Credit:** 0.5 PE  
**Prerequisite:** 0802 or 0803 Fitness for Life  
**Description:** This course will cover basic strength training and conditioning fundamentals needed to create personal fitness programs that will improve quality of life. Content includes safety practices, proper techniques, and benefits of various strength and weight training methods and strategies that affect health and skill related fitness components. Students are required to take the Physical Fitness Test.

**Course No:** 0812 Outdoor/Adventure Pursuits  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0.5 PE  
**Prerequisite:** 0802 or 0803 Fitness for Life  
**Description:** This course provides students with the opportunity to participate in a variety of challenge activities. These challenges help students learn to work together with peers while developing personal leadership, communication, problem-solving, decision-making, and teamwork skills. Students improve their skills and physical fitness while participating in a variety of lifetime adventure activities such as orienteering, archery, riflery, rock climbing, fishing, and other outdoor living pursuits. Students are required to take the Physical Fitness Test. Field trips may require students to pay a nominal fee. Must pass safety tests for certain equipment.

**Course No:** 0814 Advanced Co-Ed Strength Training & Conditioning  
**Grade Level:** 10 11 12  
**Length:** Semester  
**Credit:** 0.5 PE  
**Prerequisite:** A or B in 0810 or 0811 Strength Training & Conditioning  
**Description:** This course is for highly motivated students who wish to learn and apply principles of strength training and conditioning to the next level. Students will engage in personal programs of conditioning designed to achieve specific developmental goals in strength, endurance, flexibility, and cardio- respiratory fitness. Diet and sports nutrition will also be addressed. Students are required to take the Physical Fitness Test.

## Health & Physical Education

<b>Course No:</b>	0815 Boys Beginning Aquatics 0816 Girls Beginning Aquatics
<b>Grade Level:</b>	All
<b>Length:</b>	Semester
<b>Credit:</b>	0.5 PE
<b>Prerequisite:</b>	0802 or 0803 Fitness for Life
<b>Description:</b>	This course promotes health-related fitness through participation in a variety of aquatic activities that students can participate in for a lifetime. Strong foundational skills for non-swimmers will be built towards progression of a competent swimmer through the American Red Cross "Learn to Swim" program. Emphasis will be placed on buoyancy, breathing, entries and exits, and water/personal safety. Experienced swimmers will also benefit through participation in the higher levels of the "Learn to Swim" program that focuses on stroke development and cardio-respiratory fitness.

# AVID

## General Information

The AVID (*Advancement via Individual Determination*) is an elective class that has two goals: first, to prepare students for college and university entrance requirements, and secondly, to ready students for the rigors of college and university work. In other words, AVID helps students navigate the hoops necessary for college entrance and helps students to become the kinds of students who excel once they get there. AVID offers a challenging curriculum that exposes students to college-level reading and writing assignments in an attempt to develop students' academic skills. In addition to academic skill development, students will learn about the college/university system, conduct research projects, and hone the soft skills necessary to thrive in any academic environment.

## Courses at a Glance

Course Number	Course Title	Grade Level	Credits Earned	School	Prerequisites Needed
9912FR	AVID	9	1.0 Elective	All	None
9912SP	AVID	10	1.0 Elective	All	None
9912JR	AVID	11	1.0 Elective	All	AVID 10
9912SR	AVID	12	1.0 Elective	All	AVID 11



# AVID

## Course Descriptions

**Course No:** 9912FR AVID  
**Grade Level:** 9  
**Length:** Year  
**Credit:** 1.0 Elective  
**Prerequisite:** None (*However students have to interview to be accepted.*)  
**Description:** Students will learn how to approach challenging problems through tutorials, practice their research and writing skills while preparing for discussions about current events and be explicitly taught focused-note taking strategies, organizational practices, and other foundational skills necessary for success. AVID 9 focuses on college mindset, time-management, and AVID 101.

**Course No:** 9912SP AVID  
**Grade Level:** 10  
**Length:** Year  
**Credit:** 1.0 Elective  
**Prerequisite:** None (*However students have to interview to be accepted.*)  
**Description:** Students will learn how to approach challenging problems through tutorials, practice their research and writing skills while preparing for discussions about current events and be explicitly taught focused-note taking strategies, organizational practices, and other foundational skills necessary for success. The focus at this level is academic writing, active reading, and career exploration.

**Course No:** 9912JR AVID  
**Grade Level:** 11  
**Length:** Year  
**Credit:** 1.0 Elective  
**Prerequisite:** AVID 10  
**Description:** Students will learn how to approach challenging problems through tutorials, practice their research and writing skills while preparing for discussions about current events and be explicitly taught focused-note taking strategies, organizational practices, and other foundational skills necessary for success. The focus at this level is ACT/SAT preparation, public speaking, and college exploration.

**Course No:** 9912SR AVID  
**Grade Level:** 12  
**Length:** Year  
**Credit:** 1.0 Elective  
**Prerequisite:** AVID 11  
**Description:** Students will learn how to approach challenging problems through tutorials, practice their research and writing skills while preparing for discussions about current events and be explicitly taught focused-note taking strategies, organizational practices, and other foundational skills necessary for success. The focus at this level is emotional intelligence, college applications/admissions, and scholarships.

# Other Courses

## Courses at a Glance

Course Number	Course Title	Grade Level	Credits Earned	School	Prerequisites Needed
1901-7	Community Learning Program	12	1.0 Elective	N	Teacher Approval with Interview
1910	ACT Prep	11 12	0.5 Elective	All	None
9949 9950	Teacher Aide/Office Aide	11 12	0.5 Elective	All	GPA of 2.0 or greater, good attendance, and permission of the Principal's Office Professional in the Administrative Office (for Office Aide), or Department Chair (for Teacher's Aide)
9960	A+ Tutoring	11 12	0 Credits	All	Enrollment in A+ Program, A+Coordinator Approval
9961	JROTC - LET I	All	1.0 Elective	MC, N	None
9962	JROTC - LET II	10 11 12	1.0 Elective	MC, N	9961 fall and spring course
9963	JROTC - LET III	10 11 12	1.0 Elective	MC, N	9961 and 9962 fall spring courses
9964	JROTC -LET IV	11 12	1.0 Elective	MC, N	9961, 9962, 9963 fall spring courses

# Other Courses

## Course Descriptions

**Course No:** 1901-7 Community Learning Program  
**Grade Level:** 12  
**Length:** Semester  
**Credit:** 1.0 Elective  
**Prerequisite:** Teacher Approval with Interview  
**Description:** The Community Learning Program (CLP) is a unique program that has been part of McCluer North's history for almost forty years. Students learn about work through an unpaid job shadowing experience with local businesses and professionals. CLP meets for at least three periods a day and students are admitted into the program based on recommendations, attendance, and an interview with the CLP teacher.

The program has two components that students must complete for credit. The first component is a career exploration class in which students investigate work and the state of Missouri's career paths model. Students will research a variety of careers and the meaning of work. The second component is a chosen job shadow. Students request an area that they are interested in and a placement is attempted in that area. The job shadow allows for students to gain a greater insight and understanding of the responsibilities of that career field. Current and former CLP students have been placed into a wide variety of career fields. It is important to note that CLP students receive 1.0 credit per semester regardless if they have CLP for three or four periods. Students must provide their own transportation to and from the job shadow site.

**Course No:** 9949 or 9950 Teacher Aide/Office Aide  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0.5 Elective Credit  
**Prerequisite:** GPA of 2.0 or greater, good attendance, and permission of the Principal's Office Professional in the Administrative Office (for Office Aide), or Department Chair (for Teacher's Aide)  
**Description:** Students will assist teachers, office professionals, counselors, and administrators with day-to-day office-centered tasks.  
**NOTE:** Only (1) combined credit of Office Aide and/or Teacher Aide may be earned during all four years of high school.

**Course No:** 1910 A+ Tutoring  
**Grade Level:** 11 12  
**Length:** Semester  
**Credit:** 0 Credits  
**Prerequisite:** Enrollment in A+ Program, A+ Coordinator Approval  
**Description:** A+ students may do their hours of tutoring by enrolling in this non-credit, non-graded class. It will allow students, with parental permission, to be released to go to district tutoring opportunities. A packet will be given to students when they request the A+ Tutoring course. This packet will include copies of the tutoring application and A+ tutoring rules. Students must make their tutoring arrangements at this time. All copies are due as soon as possible after receipt so that the A+ Coordinator can sign the registration papers.

**Course No:** 9961 JROTC - LET I    9962 JROTC - LET II    9963 JROTC - LET III    9964 JROTC - LET IV  
**Grade Level:** 9 10 11 12  
**Length:** Semester  
**Credit:** 1.0 Elective  
**Prerequisite:** 9961: None  
 9962: 9961 fall and spring course  
 9963: 9961 and 9962 fall spring courses  
 9964: 9961, 9962, 9963 fall spring courses  
**Description:** These courses will be offered during the regular school day as part of our elective curriculum. Program content will include citizenship, leadership development, drill and ceremonies; hygiene and first aid; introduction to maps and map reading; techniques of oral communication; and optional programs in marksmanship and safety. Extra-curricular activities include: Armed and Unarmed Drill Teams, Color Guard, Cadet Challenge, and Annual Summer Camp. Students MUST wear a JROTC uniform and maintain the Army JROTC uniform in accordance with Army Regulation 670-1 "Wear and Appearance of Army Uniforms and Insignia".

# World Language

## General Information

A student may not progress to a second semester World Language course the student fails first semester. World Languages are sequentially taught and therefore, a student must pass one semester before moving to the next more advanced semester. There will be no Independent Study in World Language due to the importance of oral use of the language.

## Courses at a Glance

Course Number	Course Title	Grade Level	Credits Earned	School	Prerequisites Needed
0601	Spanish I	All	1.0 WL	All	C Average in English or 2.0 GPA
0602	Spanish II	All	1.0 WL	MC, N, S	Pass 0601 Spanish
0603	(H) Spanish III	10 11 12	1.0 WL	MC, N, S	C or higher in 0602 recommended
0604	(H) Spanish IV	11 12	1.0 WL	MC, N, S	C or higher in 0603 recommended
0605	(H) Spanish V	11 12	1.0 WL	MC, N, S	C or higher in 0604 recommended
0606	(H) AP Spanish Language	11 12	1.0 WL	MC, N, S	C or higher in 0604 recommended
0611	French I	All	1.0 WL	MC, N, S	C Average in English or 2.0 GPA
0612	French II	All	1.0 WL	MC, N, S	Pass 0611 French
0613	(H) French III	10 11 12	1.0 WL	MC, N, S	C or higher in 0612 recommended
0614	(H) French IV	11 12	1.0 WL	MC, N, S	C or higher in 0613 recommended
0615	(H) French V	11 12	1.0 WL	MC, N, S	C or higher in 0614 recommended

# World Language

## Course Descriptions

**Course No:** 0601 Spanish I  
**Grade Level:** All  
**Length:** Year  
**Credit:** 1.0 WL  
**Prerequisite:** C average in English or 2.0 GPA  
**Description:** Spanish I introduces students to the basic structure of the Spanish language. Students will communicate about themselves, their surroundings, and the Spanish-speaking world by speaking, writing and reading. They will develop cultural awareness and understanding as they compare their culture with those of the Spanish-speaking world.

**Course No:** 0602 Spanish II  
**Grade Level:** All  
**Length:** Year  
**Credit:** 1.0 WL  
**Prerequisite:** Pass 0601 Spanish I  
**Description:** Spanish II continues the study of the structure of the Spanish language. Students will communicate about themselves, their surroundings, and the Spanish-speaking world by speaking, writing, and reading. They will develop cultural awareness and understanding as they compare their culture with those of the Spanish-speaking world.

**Course No:** 0603 (H) Spanish III  
**Grade Level:** 10 11 12  
**Length:** Year  
**Credit:** 1.0 WL  
**Prerequisite:** Pass 0602 Spanish II  
**Description:** Spanish III continues the study of the structure of the Spanish language. Students will improve their communication skills and expand their knowledge of the culture through increased reading, writing, and oral use of the language.

**Course No:** 0604 (H) Spanish IV  
**Grade Level:** 11 12  
**Length:** Year  
**Credit:** 1.0 WL  
**Prerequisite:** C or higher in 0603 recommended  
**Description:** Students will continue to improve their skills in Spanish by studying more advanced grammatical structures. They will improve their communication skills and expand their knowledge of the culture through increased reading, writing, and oral use of the language.

**Course No:** 0605 (H) Spanish V  
0606 (H) AP Spanish Language  
**Grade Level:** 11 12  
**Length:** Year  
**Credit:** 1.0 WL  
**Prerequisite:** C or higher in 604 recommended  
**Description:** Students will continue to improve their skills in Spanish by studying the history and culture of Spanish-speaking countries. A strong emphasis is placed on communication through extensive reading, writing, and use of the language in the classroom. Previously learned grammatical structures are reviewed, and more advanced structures are studied.

# World Language

**Course No:** 0611 French I  
**Grade Level:** All  
**Length:** Year  
**Credit:** 1.0 WL  
**Prerequisite:** C average in English or 2.0 GPA  
**Description:** French I introduces students to the basic structure of the French language. Students will communicate about themselves, their surroundings, and the French- speaking world by speaking, writing and reading. They will develop cultural awareness and understanding as they compare their culture with those of the French-speaking world.

**Course No:** 0612 French II  
**Grade Level:** All  
**Length:** Year  
**Credit:** 1.0 WL  
**Prerequisite:** Pass 0611 French I  
**Description:** French II continues the study of the structure of the French language. Students will communicate about themselves, their surroundings, and the French-speaking world by speaking, writing, and reading. They will develop cultural awareness and understanding as they compare their culture with those of the French-speaking world.

**Course No:** 0613 (H) French III  
**Grade Level:** 10 11 12  
**Length:** Year  
**Credit:** 1.0 WL  
**Prerequisite:** C or higher in 0612 recommended  
**Description:** French III continues the study of the structure of the French language. Students will improve their communication skills and expand their knowledge of the culture through increased reading, writing and oral use of the language.

**Course No:** 0614 (H) French IV  
**Grade Level:** 11 12  
**Length:** Year  
**Credit:** 1.0 WL  
**Prerequisite:** C or higher in 0613 recommended  
**Description:** Students will continue to improve their skills in French by studying more advanced grammatical structures. They will improve their communication skills and expand their knowledge of the culture through increased reading, writing, and oral use of the language.

**Course No:** 0615 (H) French V  
**Grade Level:** 11 12  
**Length:** Year  
**Credit:** 1.0 WL  
**Prerequisite:** C or higher in 0614 recommended  
**Description:** Students will continue to improve their skills in French by studying the history and culture of French- speaking countries. A strong emphasis is placed on communication through extensive reading, writing, and use of the language in the classroom. Previously learned grammatical structures are reviewed, and more advanced structures are studied.