



2021 - 2022

Chaminade Julienne
Course Catalog

Eagles

CHAMINADE JULIENNE

COURSE CATALOG

2021-2022

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Chaminade Julienne Catholic High School
505 South Ludlow Street
Dayton, OH 45402
(937) 461-3740 • FAX: (937) 461-6256
www.cjeagles.org

COURSE LEVELS

Chaminade Julianne Catholic High School is committed to the highest academic standards of excellence. The academic program is designed to enhance the knowledge and critical thinking skills necessary for students to become life-long learners and contributing members of society. At CJ, each student is encouraged to continually strive for academic excellence at a level commensurate with his or her ability. Respecting the individual needs of each student, CJ offers courses at various academic levels.

Students are placed in courses based on standardized test scores, teacher recommendations, and past performance. It is possible for students to be enrolled in courses at different levels. For example, a student may have demonstrated superior abilities in English and be enrolled in an honors English course while at the same time be enrolled in a college preparatory math course.

General courses are to assist students who need help or remediation in one or more areas before they matriculate into a college preparatory course.

College Preparatory courses are designed for students who have demonstrated the ability and aptitude to pursue post high school studies at the university level.

Advanced Placement courses are designed for those students who have demonstrated superior skills in specific content areas. CJ offers AP courses to students in grades 10, 11 and 12 in English, social studies, calculus, biology, chemistry, foreign languages, and art. Students enrolled in AP classes take the AP exam and have the opportunity to earn college credit while in high school.

Honors courses are also designed for students who have demonstrated superior aptitude in specific content areas. These courses offer opportunities for students to pursue more in-depth studies in specific content areas.

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GRADUATION REQUIREMENTS

Students in Class of	Graduation Requirements
2022+	<ul style="list-style-type: none"> * Accumulation of 25 credits and semesters as defined below * Qualifying for graduation by completing the state of Ohio's pathways to graduation * Successful completion of grade level service requirement each year * Successful completion of Senior Justice Capstone Project

Students must earn credits and successfully complete semesters as follows:

RELIGION	1 CREDIT for each year of attendance at CJ	Must take each semester enrolled at CJ
ENGLISH	4 CREDITS	8 semesters
MATHEMATICS	4 CREDITS (must include a credit in Algebra II or higher)	8 semesters
PHYSICAL EDUCATION	0.5 CREDIT	2 semesters
HEALTH	0.5 CREDIT	1 semester
SOCIAL STUDIES	3 CREDITS <ul style="list-style-type: none"> • 1 credit World History or World Cultures • 1 credit American History • 1 credit American Government 	6 semesters
SCIENCE	3 CREDITS <ul style="list-style-type: none"> • 1 credit life science • 1 credit physical science • 1 credit other science class 	6 semesters
FINE ARTS	1 CREDIT	2 semesters
FOREIGN LANGUAGE	2 CREDITS IN THE SAME LANGUAGE	4 semesters
ELECTIVES	3 CREDITS	6 semesters

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PLANNING

As students plan their programs of study, the following considerations should be kept in mind:

- ❖ Advanced study beyond state requirements is not only highly recommended, but is a prerequisite to certain college programs such as engineering, pre-med, nursing, business, pre-law, etc.
- ❖ Biology, chemistry, physics is the science course sequence recommended by the State Colleges of Ohio.
- ❖ Foreign language study for at least two years in the same language is required for all students. Some Ohio colleges are recommending three years of a foreign language study for unconditional acceptance.
- ❖ On the recommendation of the principal, qualified students may apply to take courses at local colleges for college credit within the limitation of their high school schedule.

ADVANCED PLACEMENT PROGRAM

The Advanced Placement Program is a national program for college level courses and examinations for secondary school students. Over 90% of college and university candidates earn credit and/or advanced placement when the AP results are considered acceptable. There is a charge to take these exams. The cost varies each year.

COURSE REQUESTS

- ❖ Students and parents/guardians should spend time together planning, choosing, and discussing the course requests. The student's guidance counselor is also available to assist in this process.
- ❖ During the registration process, current students and their parents have an opportunity to schedule special college/career planning meetings with the guidance counselor. Information will be included in the registration packet.
- ❖ Courses are offered dependent upon the availability of teaching personnel and course enrollment. Student course requests will be processed only after the student's registration is complete and all other financial obligations are considered current by the Business Office.
- ❖ A student who requests a course without meeting the prerequisites will be scheduled in an alternate course that fits her/his schedule.

PHYSICAL EDUCATION WAIVER

CJ participates in the State of Ohio's Physical Education Waiver option. This is an opportunity for a student to waive Ohio's graduation requirement of two semesters of physical education classes by participating in interscholastic athletics, marching band, or cheerleading for at least two full seasons. The two seasons can occur anytime throughout the student's high school career. The waived credits will need to be replaced with an elective class so that the student still earns the required number of credits for graduation.

The waiver must be completed in full so participation in one PE class at CJ and in one season of athletics does not satisfy the conditions for the waiver. Trying out for a team but not making it or quitting a team during the season do not count as participating for a

season. Students who are injured and unable to complete the athletic season will not earn the waiver for that season.

FLEX CREDIT PROGRAM

Credit Flexibility applies to any alternative coursework, assessment, and/or performance that demonstrates subject area competency as pursuant to the credit flexibility model adopted by the State Board of Education. Approved credit awarded through this policy will be posted on the student's transcript and counted toward the student's grade point average, class rank, and as graduation credit in the related subject area or as an elective.

Any student may apply for credit to be awarded through Credit Flexibility. The student will submit an application on the [Credit Flexibility Application](#) form. All required information must be provided. The student may be required to provide supporting documentation as determined by the Assistant Principal. It is the family's responsibility to develop and propose a plan. The guidance counselors are available for assistance in this process.

IMPORTANT:

- ❖ **The application must be approved BEFORE the student begins the activities for earning credit flexibility.** Credit cannot be awarded retroactively.
- ❖ A fee is assessed for awarding flexible credit. Refer to the Credit Flexibility Application for the specific fees.
- ❖ Student athletes should discuss their plans with their counselor as there are specific eligibility rules set forth by OHSAA and NCAA.

COLLEGE CREDIT PLUS (CCP)

College Credit Plus is an initiative by the State of Ohio which gives qualified high school students the opportunity to take college courses and receive college credit for free. These courses will also count for high school credit. All public colleges and universities in Ohio participate in CCP while private colleges and universities have the choice whether to participate or not. Students have the option to take college classes either on the college or university campus, online through the college or university, or at CJ. CJ currently offers several college courses through partnerships with Wright State University and Sinclair Community College. These courses are noted in the course descriptions.

In order to participate, students must demonstrate college readiness, be committed to the rigor and pace of college level work, and complete the necessary paperwork by the specified deadlines. Students considering CCP and their parents should attend the informational meeting held in late January/early February. They should also carefully consider the student's ability to commit the necessary time and energy to these classes. Students enrolled in CCP are considered college students and are therefore required to follow the requirements and deadlines of the college or university. CJ's guidance counselors are available to discuss the CCP program with interested students.

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BUSINESS

ACCOUNTING 1

1.00 Credit 1 YEAR Grade: 10-12 Elective

Accounting is the foundation course for all college majors in business administration, finance, marketing, etc. This course will present the complete accounting process in repeating and expanding cycles to include all the basic principles of accounting. Activities include learning to record day-to-day business transactions and learning to analyze various principles of accounting through the use of carefully planned assignments and projects. Students will utilize computer software to aide in the learning process. This course is extremely beneficial for students intending to major in any area of business in college.

ACCOUNTING 2 A

0.50 Credit 1 SEM Grade: 11-12 Elective

Prerequisite: Successful completion of Accounting 1

Advanced accounting continues to emphasize corporate accounting. The course integrates accounting practices and related computer skills to prepare advanced students for future employment.

ACCOUNTING 2 B

0.50 Credit 1 SEM Grade: 11-12 Elective

Prerequisite: Successful completion of Accounting 2 A

This course is a continuation of Accounting 2 A and continues to emphasize corporate accounting. The course integrates accounting practices and related computer skills to prepare advanced students for future employment.

BUSINESS LEADERSHIP & ETHICS

0.50 Credit 1 SEM Grade: 10-12 Elective

This course will examine the legal, ethical, and economic responsibilities of corporate leaders. It teaches students about business management and governance systems leaders can use to promote responsible conduct by companies and their employees and shows how personal values can play a critical role in effective leadership. This class will utilize case studies and challenge students to confront, consider, and debate business leadership and ethical issues. The class will look at successful leaders in action to see how they develop a vision of the future, align the organization behind that vision, motivate people to achieve the vision, design effective organizations, and change them to achieve superior performance.

FINANCIAL INVESTING

0.50 Credit 1 SEM Grade: 10-12 Elective

This course is recommended for future college business majors and individuals interested in learning the basics of creating a stock portfolio. Students will become familiar with investing through the NYSE and the NASDAQ. Emphasis is placed on learning how to analyze the value of stocks and the importance of investing for the future. Students participate in the University of Dayton's Davis Center's annual portfolio challenge.

SPORTS MANAGEMENT

0.50 Credit 1 SEM Grade: 10-12 Elective

Students will be introduced to basic business management practices and principles, learn to write business plans, and problem solve everyday business challenges. Students will participate in the on-line computer simulation Virtual Business - Sports. This highly visual computer simulation of running a sports franchise allows students to create a virtual sports franchise and work to make it profitable. Students will handle promotion, develop ticket pricing strategies, evaluate stadiums and city locations, control stadium operations and staffing, find sponsors and licensing deals, (booking entertainment, promoting and managing entertainment, and concessions), and more.

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ENGLISH

Students are placed in English courses based on their ability level, previous grades, and teacher recommendations.

ENGLISH 9

1.00 Credit 1 YEAR Grade: 9 Required

Students will learn a writing process that will help in composing individual narrative, descriptive, and expository paragraphs as well as multi-paragraph essays. Students will also conduct literature studies through a genre approach covering short stories, non-fiction, poetry, drama, and the novel. Students will read and study *Home of the Brave*, *To Kill a Mockingbird: A Graphic Novel*, *The Absolutely True Diary of a Part-Time Indian*, and a choice novel. This course includes units on grammar, usage and mechanics. It utilizes materials, methods and pacing suited to students who have experienced difficulty in reading and writing. One goal of this course is to have students develop the skills necessary to move to the college preparatory program in the sophomore or junior year.

ENGLISH 9 CP

1.00 Credit 1 YEAR Grade: 9 Required

Students will learn a writing process that will help in composing narrative, descriptive, and expository paragraphs and essays. Grammar, usage and mechanics, and literary terminology will be covered so that students learn to apply these concepts in their own writing. Throughout the year, students will read and discuss various forms of literature: the short story, the novel, the non-fiction essay, drama, and poetry. Full-length works may include *Home of the Brave*, *The Book Thief*, *Of Mice and Men*, *Warriors Don't Cry*, *Brown Girl Dreaming*, *Romeo and Juliet*, *Dear Martin*, *A Midsummer Night's Dream*, and *Refugee*. Students will also select works for individual reading assignments. Students will give a demonstration speech to the class. Vocabulary development will take place within the context of literature studies.

HONORS ENGLISH 9

1.00 Credit 1 YEAR Grade: 9 Required

Prerequisites: A minimum stanine of 8 on a standardized test AND counselor recommendation.

This course provides an in-depth study of the various types of literature, including non-fiction, short story, poetry, drama, and novel. With a global focus, the literature studied aims to include a diversity of authors, representing different ages, cultures, time periods, genders, and approaches. Full-length works studied may include, but are not limited to, *Of Mice and Men* (John Steinbeck), *Trifles* (Susan Glaspell), *A Midsummer Night's Dream* (William Shakespeare), *Lord of the Flies* (William Golding), and at least one choice novel unit. Part of that study includes written analysis of these various forms, along with the creation of original stories, essays and poems. Longer writing assignments will include a memoir, a poetry analysis, a narrative, a character analysis, a literary analysis, an argumentative essay, and a research essay. Revision and portfolio assessment will be emphasized throughout the year. Students are required to complete a summer reading assignment. Students must submit an entry to CJ's annual writing contest and participate in CJ's Poetry Out Loud competition. Correct grammar, usage, and mechanics will be reinforced throughout the year within the context of student

writing while vocabulary development will take place within the context of literature study.

ENGLISH 10

1.00 Credit 1 YEAR Grade: 10 Required

This course includes extensive units in composition, speech, and literature. Students will write various types of narrative, expository, and persuasive pieces. They will also compose and deliver formal and informal speeches. The literature focus is that of American literature. Students will read *The Great Gatsby*, *A Raisin in the Sun*, and at least one other full-length work. The learning of all language skills will be integrated throughout the year. Methods, materials, and requirements will be adapted to the needs of students who experience difficulty with reading and writing. One of the goals of this course is to prepare students for college preparatory work in the junior year.

ENGLISH 10 CP

1.00 Credit 1 YEAR Grade: 10 Required

This course includes a chronological/thematic survey of American literature from colonial times to the contemporary era in all genres. Full-length works may include but are not limited to *The Crucible* (Arthur Miller), *The Great Gatsby* (F. Scott Fitzgerald), *A Raisin in the Sun* (Lorraine Hansberry), and at least one other full-length work. Students will compose multi-paragraph narrative, literary analysis, rhetorical analysis, and research-based argumentative papers. They will also participate in CJ's Poetry Out Loud competition. Correct grammar, usage and mechanics are reinforced throughout the year within the context of reading literary and informational texts.

HONORS ENGLISH 10

1.00 Credit 1 YEAR Grade: 10 Required

Prerequisite A minimum 94% final average in English 9 CP OR a minimum 86% final average in Honors English 9, AND the recommendation of the grade 9 English teacher. In addition to the work outlined in the college preparatory English 10 course, students will read and analyze other novels and plays, such as *The Crucible*, *Turtles All the Way Down*, *The Invention of Wings*, and *The Great Gatsby* and compose additional writing pieces. Students will complete a research-based thematic unit. Students taking this course must also submit an entry to the annual CJ Writing Contest. Speech activities may include demonstrations, persuasive, introductions, poem interpretation, and non-print media review. Summer reading with a written component is a requirement of the course. The specific summer work may be obtained from the English 10 teacher or the department chairperson.

ENGLISH 11 CP

1.00 Credit 1 YEAR Grade: 11 Required

This year-long composition-based course builds upon students' writing skills and experiences and prepares them for composition on the college level. By practicing sentence, paragraph and composition techniques, students will develop the tools to deal with various writing situations. Students will study illustration, argument, college application essays and research writing. In each of these endeavors, students will become involved in the writing process, which includes preliminary thinking, drafting, and revising. Students will demonstrate the writing and research process by completing an integrated social justice research paper (ISJRP) in the third quarter. The course will

also devote time to vocabulary development and strategies for college entrance exams. Students will also study works from major contemporary authors which will include but not be limited to James McBride, J.D. Salinger, Carson McCullers, Tennessee Williams, Thornton Wilder, Tim O'Brien, Jeanette Walls, and Ernest Gaines.

HONORS ENGLISH 11

1.00 Credit 1 YEAR Grade: 11 Required

Prerequisite: A minimum 94% final average in English 10 CP OR a minimum 86% final average in Honors English 10, AND the recommendation of the grade 10 English teacher.

This course engages students in a highly academic, historically based, thematic study of British Literature from Anglo Saxon to Modern Literature. Students will study major works including Beowulf, The Canterbury Tales, Macbeth, Hamlet, Jane Eyre, Wuthering Heights, Frankenstein, Tale of Two Cities, and Brave New World. In addition to reading, students will encounter multiple rhetorical situations including Illustration, Argument, Narrative, Analysis and Research. A major component of the course is the Integrated Social Justice Research Paper, which is taught in conjunction with the Religion and Government departments. Students will also engage in vocabulary and grammar enrichment and will be required to submit an entry to an approved writing contest. All students will be required to complete summer reading and writing; specific instructions will be provided by the instructor.- Honors English 11 provides excellent preparation for AP Literature and Composition.

ENGLISH 12: GLOBAL ISSUES AND PERSPECTIVE

1.00 Credit 1 YEAR Grade: 12 Required

Prerequisite: Junior English teacher recommendation and 90% or higher on the ISJRP

This course aims to prepare students to live, think, write and work in a global society. Students will further develop their research skills gained during their Junior year and read literature from predominantly Non-Western writers in order to cultivate a global perspective. Students will write the following essays: summary and critique, argument, synthesis, quarter term paper and literary analysis. Students will be required to purchase or obtain from the library one book during the year. *This is a College Credit Plus course taught at CJ for which students may simultaneously earn both high school credit and six semester hours of college credit from Wright State University for ENG 1100 and ENG 2040. As a CCP course, students earn honors credit. Please note, WSU requires a minimum of 10 students in order to offer the course.*

ENGLISH 12: EUROPEAN LITERATURE AND FILM STUDIES

1.00 Credit 1 YEAR Grade: 12 Required

Prerequisite: Junior English teacher recommendation

This college preparatory course is for the student interested in exploring the literary and dramatic works of various European authors, including Shakespeare. Themes of study include personal identity, the meaning of love, facing evil with courage and shaping the future. Students will read novels, plays, short stories, poems and nonfiction from several European countries. Film study and analysis will be a central part of the course. Within each unit students will do written responses and analysis in addition to an occasional oral or video presentation.

ENGLISH 12: CREATIVE READING & WRITING IN THE 21ST CENTURY

1.00 Credit 1 YEAR Grade: 12 Required

Prerequisite: Junior English teacher recommendation

Students will read, analyze, and compose short stories, children's stories, poems, essays, scripts, visual texts, and websites. Students will come to understand the necessary reading and writing strategies for a digital age. As a result, many units will involve an exploration of the impact of digital technologies on compositions. Students must have a strong interest in composing and revising on a daily basis. Students will prepare for the course by doing some preliminary reading and writing over the summer. They are expected to enter the school's writing contest and will contribute to the writing, as well as design and create, the publication, *In Our Minds*.

ADVANCED PLACEMENT LITERATURE AND COMPOSITION 12

1.00 Credit 1 YEAR Grade: 12 Fee: AP Test Fee

Prerequisite: A minimum 86% final average in Honors English 11 AND the recommendation of the Honors English 11 teacher.

This course is designed to complete the scope and sequence of the Honors English program at CJ. Students enrolled in this course are encouraged to take the Advanced Placement Literature and Composition exam in May. In compliance with the College Board guidelines, "the course is designed to engage students in the careful reading and critical analysis of imaginative literature. Through close readings of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers." The course covers a wide range of classical and contemporary literature that may include works by Hurston, Hemingway, Cather, Mbue, Wilson, Williams, O'Brien and over a dozen modern poets and short story writers. A poetry research study to be completed during the second quarter includes research into the life, works, and criticisms of a student-selected poet. Students will also specifically explore various literary criticisms such as classical, psychological, Marxist, feminist, and reader response. Students will also engage in a multitude of writing activities including: analytical, research, expository, and creative. Summer reading and participating in a summer online discussion and a submission to an approved writing contest are also major requirements.

English Electives – Grades 11 & 12

Students who take 1.00 credit English electives will need five (5) English credits in order to be eligible to graduate. They should seek the advice of their guidance counselor and the admissions offices of the colleges to which they are applying in order to know whether or not the college will accept the English electives as full and valid English

Please Note: Graphic Communications 1 & 2 have NOT been approved by the National Collegiate Athletic Association as acceptable English courses for playing eligibility requirements. Student athletes hoping to receive scholarships should register for these courses only in addition to the core English courses.

GRAPHIC COMMUNICATIONS 1

1.00 Credit 1 YEAR Grade: 11-12 Elective

This yearlong course is designed to acquaint students with the various skills needed to produce a permanent yearbook. The students will become familiar with journalism terms and techniques, copy writing, layout design, photography skills, art design, and financial planning. They will learn the importance of meeting individual responsibilities and of working as a unit to complete a project. They will also become familiar with using Adobe Photoshop and Yearbook Avenue Online.

GRAPHIC COMMUNICATIONS 2

1.00 Credit 1 YEAR Grade: 12 Elective

Students in this course will create and publish the Chaminade Julienne yearbook. They will learn how to organize a staff, direct activities of the staff, and oversee the final production of the yearbook.

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GUIDANCE

AMERICAN SIGN LANGUAGE AND DISABILITY AWARENESS

1.00 Credit 1 YEAR Grade: 12 Elective

Pre-requisite: Students must have completed their Foreign Language requirement

Students will learn basic American Sign Language while also working with students in CJ's Cuvilly program. Students must complete in depth research into disabilities and other conditions as well as attend a community event. Students will assist the Cuvilly teacher with running small groups and individual tutoring sessions. This course is designed for students interested in Special Education, Speech Pathology, Occupational Therapy, Physical Therapy, Disability Services or Early Childhood Education. This course does not count as a student's foreign language credit.

LITERACY LAB

1.00 Credit 1 YEAR Grade: 9, 10 Required

This course is required for students who are below grade level in language arts skills and are not supported by the Cuvilly program. Students will work individually and in small groups in activities to increase reading fluency, reading comprehension, and writing skills. Students are placed in this course on the recommendation of the guidance counselor and language arts test results.

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HEALTH & PHYSICAL EDUCATION

HEALTH EDUCATION

0.50 Credit 1 SEM Grade: 9-10 Required

This course emphasizes the development of positive health behaviors that will improve life-span and quality of life by reducing health-risk factors. The curriculum will cover such topics as exercise, stress management, mental health, nutrition, body systems, growth and development, alcohol, tobacco, drug addictions, infectious diseases, and injury/disease prevention. *As part of CJ's student health and wellness initiative, students must register and take health during the freshman or sophomore year.*

Health may be taken as a face-to-face semester class or online in a work at your own pace format that may be spread throughout the entire school year. Students choosing to take the online format will be required to attend two events at CJ—CPR training (1 hour) and the final exam (1.5 hours). Multiple dates and times will be offered for these events.

PHYSICAL EDUCATION

0.25 Credit 1 SEM Grade: 9-12 Required

This course emphasizes basic physical fitness through aerobic and strength training activities. A variety of team sports and games are used to build the concepts of teamwork, cooperation, competition, and sportsmanship. An opportunity is given in the summer to earn PE credits needed for graduation.

SPORTS MEDICINE

0.50 Credit 1 SEM Grade: 10-12 Elective

This course is an introduction to the field of sports medicine. The topics presented will include the prevention, evaluation, treatment, and rehabilitation of common athletic injuries. The student will learn anatomy, basic taping techniques, and environmental considerations. Students will also become certified through the American Heart Association in first aid and CPR.

STRENGTH TRAINING AND CONDITIONING

0.25 Credit 1 SEM Grade: 9-12 Elective

Pre-requisite: Completion of one semester of Physical Education

This course will develop the physical, psychological, and social benefits of exercise. The fitness components of cardiorespiratory endurance, muscular strength, muscular endurance, flexibility, and body composition will be taught. Students will incorporate goal setting to help develop their own fitness program according to experience level. Students will learn various resistance programs and techniques. This class will fulfill 0.25 physical education credit.

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LANGUAGES

First and second year language students must pass the first and second year language standards in order to receive credit for their respective courses. Third and fourth year students must pass the third and fourth year standards in order to proceed to the fourth and fifth year level.

Third and fourth year courses in all languages adhere to the third and fourth semester language curriculums offered at Wright State University. It is possible for students to earn college credit for these courses through the College Credit Plus program.

Language Required Materials:

Students enrolled in a foreign language may encounter the following expenses:

- * FRENCH: Dictionaries are required for all levels.
- * SPANISH: Dictionaries are optional for Spanish 1 and required for all other levels.

Language students often use listening and recording devices to aide in their learning. Students are responsible for the use of this equipment and must pay for any damage they cause by careless use of it. Students misusing any of the equipment in any way will not be allowed access to these devices.

FRENCH 1

1.00 Credit 1 YEAR Grade: 9-12 Elective

This course is an introduction to the basic skills of listening, speaking, reading, writing, and French culture.

FRENCH 2

1.00 Credit 1 YEAR Grade: 9-12 Elective

Prerequisites: Proficiency in first year language standards.

This course provides a more intensive continuation of basic skills – emphasis on grammar, conversation, reading, and culture.

FRENCH 3

1.00 Credit 1 YEAR Grade: 10-12 Elective

Prerequisites: Final average of 80% or higher in French 2 or teacher recommendation, AND proficiency in second year language standards.

Students at this level complete most of the essential grammar. Emphasis is placed on development of spontaneous day-to-day use of the language, reading of literary texts and writing of short compositions. Cultural activities are highlighted.

HONORS FRENCH 4

1.00 Credit 1 YEAR Grade: 11-12 Elective

Prerequisites: Final average of 80% or higher in French 3 or teacher recommendation, AND proficiency in third year language standards.

This honors course offers fine points of grammar, spontaneous conversation, reading of literary texts, and writing. Emphasis is placed on developing cultural and communicative proficiency.

ADVANCED PLACEMENT FRENCH

1.00 Credit 1 YEAR Grade: 12 Elective Fee: AP Test Fee

Prerequisites: Successful completion of the Honors French 4 course with a final average of 90% or higher AND teacher recommendation AND proficiency in fourth year language standards.

This course is available for qualified students who are highly self-motivated. Students are prepared for and encouraged to take the Advanced Placement French Language exam in May. This course is an opportunity for students to further develop their communicative and cultural proficiency. Summer work required. This course is taught completely in French.

SPANISH 1

1.00 Credit 1 YEAR Grade: 9-12 Elective

This course is an introduction to the basic skills of listening, speaking, reading, writing, and Spanish culture.

SPANISH 2

1.00 Credit 1 YEAR Grade: 9-12 Elective

Prerequisites: Proficiency in first year language standards.

This course is a more intensive continuation of basic skills with emphasis on grammar, conversation, reading, and culture.

SPANISH 3

1.00 Credit 1 YEAR Grade: 10-12 Elective

Prerequisites: Final average of 80% or higher in Spanish 2 or teacher recommendation AND proficiency in second year language standards.

Students in this course complete most of the essential grammar. Emphasis is placed on development of spontaneous use of the day-to-day language, reading of literary texts, and writing of short compositions. Cultural activities are highlighted.

This is a College Credit Plus course taught at CJ for which students may simultaneously earn both high school credit and three semester hours of college credit from Wright State University for SPN 2010. As a CCP course, students earn honors credit. Please note, WSU requires a minimum of 10 students in order to offer the course.

HONORS SPANISH 4

1.00 Credit 1 YEAR Grade: 11-12 Elective

Prerequisites: Final average of 80% or higher in Spanish 3 or teacher recommendation AND proficiency in third year language standards.

This course offers fine points of grammar, spontaneous conversation, reading of literary texts, and writing. Emphasis is placed on developing both cultural and communicative proficiency. This course is taught completely in Spanish.

This is a College Credit Plus course taught at CJ for which students may simultaneously earn both high school credit and three semester hours of college credit from Wright State University for SPN 2020. Please note, WSU requires a minimum of 10 students in order to offer the course.

ADVANCED PLACEMENT SPANISH

1.00 Credit 1 YEAR Grade: 12 Elective Fee: AP Test Fee

Prerequisites: Final average of 90% or higher in Honors Spanish 4 AND teacher

recommendation AND proficiency in fourth year language standards.

This course is available for qualified students who are highly self-motivated. Students are prepared for and are encouraged to take the Advanced Placement Spanish exam in May. This course is an opportunity for students to further develop their communicative and cultural proficiency. This course is taught completely in Spanish.

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MATHEMATICS

All students are required to complete 4 years of mathematics, which must include Algebra I, Geometry, and Algebra II. There are 3 college preparatory levels of math offered at Chaminade Julienne High School. Placement in these courses is determined by student performance in previous math courses and by teacher recommendation. The Honors Math program is for high achieving and self-motivated students.

In order for students to reach Honors Calculus by their senior year, they must complete 5 math courses. Here are a few ways this can be accomplished:

- 1) Students can take both Honors Geometry and Honors Algebra II their sophomore year.
- 2) Students can come to Chaminade Julienne as 8th graders to take Honors Algebra I. Acceptance into this class is determined by a placement test, high stanines on standardized tests, and 7th grade teacher recommendation.
- 3) Students can come into Chaminade Julienne with the equivalent of our Honors Algebra I course, and begin with Honors Geometry. Students who wish to make this move must take CJ's Honors Algebra exam and earn a high enough score to show they have sufficiently mastered the algebra material.

There are other possible paths to reach Honors Calculus by the senior year. However, it is not a requirement for an honors math student to take Honors Calculus while at CJ, and some honors students may opt to finish with Honors PreCalculus.

INTRODUCTORY ALGEBRA

1.00 Credit 1 YEAR Grade: 9-10

This course is designed for the student who has mastered basic computational skills but needs additional practice and development of math concepts prior to taking a full year of Algebra I. Concepts covered include working with equations and an introduction to variable expressions.

ALGEBRA I A

1.00 Credit 1 YEAR Grade: 9

This course is designed for the student who will be pursuing a future course of study or career requiring a strong math background. It offers a complete view of beginning algebra including work with real numbers, solving equations, manipulating polynomials, and an introduction to two-dimensional graphing.

ALGEBRA I B

1.00 Credit 1 YEAR Grade: 9-10

This course covers all the fundamentals of algebra, including work with real numbers, solving equations, manipulating polynomials, and problem solving. The concepts will be taught with much repetition and practice.

HONORS ALGEBRA I

1.00 Credit 1 YEAR Grade: 9

Prerequisites: A stanine score of 8 or 9 on a standardized test.

This course is designed for the high achieving student. It offers a complete view of beginning algebra including solving and graphing linear equations and inequalities, manipulating polynomials, and working with quadratic equations. A final average of 85% or higher is required to take Honors Geometry.

GEOMETRY A

1.00 Credit 1 YEAR Grade: 10

Prerequisites: A final average of 80% or higher in Algebra I A.

This is a course in Euclidian geometry. It is a study of geometric figures, their relationships—both logically and quantitatively, and applications. This course is designed to meet the needs of students who will pursue a future course of study or career requiring a strong mathematical background. A final average of 80% or higher is required to advance to Algebra II A.

GEOMETRY B

1.00 Credit 1 YEAR Grade: 10-11

Prerequisites: Successful completion of Algebra I B or a final average of 80% or lower in Algebra I A.

This course is a study of geometric figures, their properties, and applications. The concepts are taught with much practice and repetition.

HONORS GEOMETRY

1.00 Credit 1 YEAR Grade: 9-10

Prerequisites: Final average of 85% or higher in Honors Algebra I and completion of summer work.

This course in Euclidean geometry is designed to continue to build a strong foundation for future work in mathematics and courses requiring a strong mathematical background. Students must demonstrate a high aptitude as well as high motivation for the subject. A final average of 85% or higher is required to advance to Honors Algebra II.

ALGEBRA II A

1.00 Credit 1 YEAR Grade: 11

Prerequisites: Successful completion of Algebra I and Geometry A (80% or higher). (The Algebra I grade is strongly considered when making the recommendation.)

This course is designed to prepare students for advanced math courses in high school and college. It offers a quick review of Algebra 1 and covers in-depth all of the fundamental concepts of algebra. This course includes trigonometry. A final average of 85% or higher is required to advance to Pre-Calculus.

ALGEBRA II B

1.00 Credit 1 YEAR Grade: 11

Prerequisites: Completion of Algebra I and Geometry B or a final grade below an 80% in Geometry A. (The Algebra I grade is strongly considered when making the recommendation.) The algebra 1 concepts are extended as well as the introduction of new concepts such as solving systems of equations, graphing functions, and working with powers and roots. If a student is highly successful in this course, Algebra 3/Trigonometry may be recommended by the teacher.

HONORS ALGEBRA II

1.00 Credit 1 YEAR Grade: 10-11

Prerequisites: Final average of 85% or higher in Honors Algebra I and Honors Geometry. (The Algebra I grade is strongly considered when making the recommendation.) It is possible to take this course concurrently with Honors Geometry, with Honors Algebra I teacher recommendation.

This course is designed to prepare students for advanced math courses in high school and college. In this course students will build on their understanding of equations and functions from Algebra I, and extend their knowledge of trigonometry from Geometry. A final average of 85% or higher is required to advance to Honors Pre-Calculus. Graphing calculators are helpful but not required. If purchasing a graphing calculator, a TI-83 or TI-84 is recommended.

TRANSITION TO COLLEGE MATHEMATICS

1.00 Credit 1 YEAR Grade: 12

Prerequisites: Completion of Algebra II B. Students who are eligible to take Algebra III/Trigonometry should not take this course.

This course is designed as a fourth year course for students who have taken Algebra 2. It includes one semester of trigonometry, series and sequences and matrices. In the second semester topics from probability and statistics will be covered. NOTE: This is not a course for students who have taken Algebra II A.

ALGEBRA III / TRIGONOMETRY

1.00 Credit 1 YEAR Grade: 12

Prerequisites: Final average of 90% or higher in Algebra II B or a final average of below an 85% in Algebra II A.

This course is designed as a fourth year course for students who have completed Algebra II B or Algebra II A. Students eligible for Pre-Calculus should not enroll in this course. This course covers one semester of trigonometry and one semester of college algebra.

PRE-CALCULUS

1.00 Credit 1 YEAR Grade: 12

Prerequisites: Final average of 85% or higher in Algebra II A.

This course presents and develops all necessary pre-calculus topics. It is intended for students who would like a solid preparation for college math or further enrichment of their math background. Topics studied are sometimes familiar ones that are studied in-depth. Included in the subject matter are circle and triangle trigonometry, polynomial functions and their graphs, probability, and vectors. Students must be self-motivated to take this course. Graphing calculators are helpful but not required. If purchasing a graphing calculator, a TI-83 or TI-84 is recommended.

HONORS PRE-CALCULUS

1.00 Credit 1 YEAR Grade: 11-12

Prerequisites: A final average of 85% or higher in Honors Algebra II.

This course is designed to prepare students for advanced mathematics courses, especially calculus. Topics taken are sometimes familiar ones that are studied in-depth. Included in the subject matter are circle and triangle trigonometry, polynomial functions and their graphs, and vectors. Students must be self-motivated to take this course. Graphing calculators are helpful but not required. If purchasing a graphing calculator, a TI-83 or TI-84 is recommended.

HONORS CALCULUS I

1.00 Credit 1 YEAR Grade: 11-12

Prerequisites: A final average of 85% or higher in Pre-Calculus or Honors Pre-Calculus and the completion of summer work.

This course covers all material included in the first semester and some of the material included in the second semester of a standard 3-semester college calculus sequence. It is intended for students who have completed honors pre-calculus or pre-calculus. Topics include limits of functions, derivatives and their applications, and integrals and their applications. Students taking this course have the opportunity to take the Advanced Placement Calculus AB exam in May although they are not required to do so. Summer work is required for this course.

This is a College Credit Plus course taught at CJ for which students may simultaneously earn both high school credit and five semester hours of college credit from Sinclair Community College for MAT 2270.

ADVANCED PLACEMENT CALCULUS BC

1.00 Credit 1 YEAR Grade: 12 Fee: AP Test Fee

Prerequisites: Successful completion of Honors Calculus I.

This course completes the material covered in the second semester and begins material covered in the 3rd semester of a standard 3-semester college calculus sequence. Topics include techniques of integration, sequences and series, analytic geometry, and multi-variable calculus. Students taking this course are encouraged to take the Advanced Placement Calculus BC exam in May.

HONORS STATISTICS

1.00 Credit 1 YEAR Grade: 11-12 Elective

Prerequisite: A final average of 90% or higher in Algebra II A or Honors Algebra II. Successful completion of Pre-Calculus or Honors Pre-Calculus prior to taking this course is encouraged.

This course is designed to be the equivalent of an introductory non-calculus-based college course in statistics. Students will be introduced to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Four broad conceptual themes will be studied: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students taking this course have the opportunity to take the Advanced Placement Statistics exam in May although they are not required to do so. Graphing calculators are used throughout this course (TI-83 or TI-84 is recommended.)

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MINISTRY & SERVICE

CJ LITTLE SIBS PROGRAM

No Credit 1 YEAR Grade: 11-12 Elective

Prerequisites: Students must meet all eligibility requirements for extracurricular and co-curricular activities. Approval of the Office of Ministry and Service AND complete an application process.

Students are paired with a student at a designated elementary school. Once a week, during the last period of the day, students visit with their Little Sib at the elementary school, serving as a role model/mentor for younger children. As a group, Chaminade Julianne Little Sibs' students are responsible for planning activities for the "Littles." In addition to the weekly time with the elementary students, two days a week are dedicated to planning the activities with the Ministry and Service staff. Please note: scheduling conflicts may sometimes prevent accepted students from participating in the program. This is a non-credit course. However, participation in this unique and valuable experience is listed on the student's final transcript. Enrollment is limited.

FLIGHT – FAITH LEADERS IN GOD'S HANDS TODAY

No Credit 1 YEAR Grade: 12 Elective

This is a Christian leadership course for seniors which meet as a regular class during the school day. Students in FLIGHT take the lead in planning, organizing and executing many of the faith and service activities of the CJ Ministry & Service Office including community service projects, retreats, liturgies, and more. Some class time is also dedicated to faith sharing and teaching days led by the Ministry and Service adult team. Students wishing to be a part of FLIGHT complete an application and interview process. This is a non-credit course. However, participation in this valuable experience will be listed on the student's final transcript. Enrollment is limited.

GRADE LEVEL SERVICE REQUIREMENT

No Credit 1 YEAR Grade: 9 - 12 Required

Service is an integral part of CJ's mission and in the development of graduates who are people of service, compassion, and integrity. Each grade level has a service requirement which must be completed during the school year. CJ students have access to approved service sites through the online program, Helper Helper.

FRESHMAN YEAR: 2 SERVICE OPPORTUNITIES OUTSIDE OF SCHOOL (PER SEMESTER) = 2 hours of service each semester

All freshmen are required to participate in two service opportunities per semester during the school year. Each of them must be a pre-approved site that is posted on Helper Helper. The goal for freshmen is to introduce and expose them to a wide variety of worthwhile service opportunities. Written reflections on the service experience are required.

SOPHOMORE YEAR: 2 SERVICE OPPORTUNITIES OUTSIDE OF SCHOOL AND 1-3 HOURS OF SERVICE TO CJ (PER SEMESTER) = 5 Hours of service each semester

All sophomores are required to participate in two service opportunities per

semester. The usual expectation is that students choose the service sites from the Helper Helper list. Any other service site must be pre-approved by the 10th grade religion teacher. In addition to outside service, sophomores are also required to give 1-3 hours of service to CJ per semester. Combined, both the outside service and service to CJ must total 5 hours each semester. Written reflections on the service experience are required.

JUNIOR YEAR: 25 HOURS

Juniors provide 25 hours of service to a Dayton community agency. Service projects must connect to Catholic Social Teaching and incorporate social justice issues such as aging, disabilities, disadvantaged youth, environment, animal welfare, pro-life, poverty, homelessness and hunger. This service relates to the student's junior year Integrated Social Justice Service Project. Written reflections on the service experience are required.

SENIOR YEAR: SENIOR JUSTICE CAPSTONE

The Senior Justice Capstone is a cross curricular, inquiry-based research project. Students are challenged to apply all the lessons of their four-year Catholic educational experience by actualizing the traditions of CJ's two founding orders, the [Marianists](#) and the [Sisters of Notre Dame de Namur](#). All projects connect back to Catholic Social Teaching. Seniors work in groups of two, three or four for an entire year to complete four phases of the Capstone. The third phase requires students to present their research and findings at CJ's annual Stang Symposium in the spring.

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PERFORMING ARTS

BEGINNING GUITAR

0.50 Credit 1 SEM Grade: 9-12 Elective

This course is designed for students with little or no previous guitar experience. Students will receive guidance and direction in solving problems related to playing the guitar at a beginning level and will learn many of the different styles, skills, and techniques required to become a successful guitarist. Areas of concentration include: correct posture, note reading, aural skills, flat-picking, singing songs, rhythmic patterns, chord study, finger-picking styles, musical forms, improvisation, and performing experiences.

ADVANCED GUITAR

0.50 Credit 1 SEM Grade: 9-12 Elective

Prerequisite: Students must have successfully completed Beginning Guitar or possess the skills that are acquired during the course. Students who have not taken Beginning Guitar but wish to enroll in Advanced Guitar must audition with the guitar instructor.

This course is designed to expand on the knowledge and skills that are developed in Beginning Guitar. This includes continuing to build chord vocabulary, develop a broader repertoire of performable music, increase finger dexterity and control, as well as incorporate singing while performing. Students will continue to focus on skills such as music reading (both TAB and sheet music), ensemble performing, and improvisatory soloing.

CONCERT BAND

1.00 Credit 1 YEAR Grade: 9-12 Elective

Prerequisite: Students must have successfully completed at least one year of middle school band. Students who do not meet this criterion should contact the band director to arrange an audition.

Concert Band is a yearlong performance course designed to provide students with the opportunity to experience numerous musical styles of both traditional and contemporary band literature. Through the study of this literature, coupled with class discussion, listening experiences, performances, assignments, and projects, students will develop performance technique as well as a foundation of knowledge of musical elements. Students are assessed on performance skills, rehearsal technique, and written assignments.

***All students enrolled in this course are required to perform at 4 evening concerts. These performances are a major performance and assessment requirement. A detailed performance calendar outlining all required performances will be made available in the spring.*

HONORS CONCERT BAND

1.00 Credit 1 YEAR Grade: 12 Only Elective

Prerequisite: Student must have been enrolled in Concert Band for the complete previous three years.

Students enrolled in this course will complete the Concert Band requirements as well as:

*Participate in the Ohio Music Education Solo and Ensemble Adjudicated Event

***All students enrolled in this course are required to perform at 4 concerts. These performances are a major performance and assessment requirement. A detailed performance calendar outlining all required performances will be made available in the*

spring.

PERCUSSION ENSEMBLE

1.00 Credit 1 YEAR Grade: 9-12 Elective

Prerequisite: Students must have successfully completed at least one year of middle school band. Students who do not meet this criterion should contact the band director to arrange an audition.

Percussion Ensemble is a yearlong performance course designed to provide students with the opportunity to experience numerous musical styles of both traditional and contemporary literature. Through the study of this literature, coupled with class discussion, listening experiences, performances, assignments, and projects, students will develop performance technique as well as a foundation of knowledge of musical elements. Students are assessed on performance skills, rehearsal technique, and written assignments.

***All students enrolled in this course are required to perform at 4 evening concerts. These performances are a major performance and assessment requirement. A detailed performance calendar outlining all required performances will be made available in the spring.*

HONORS PERCUSSION ENSEMBLE

1.00 Credit 1 YEAR Grade: 12 Only Elective

Prerequisite: Student must have been enrolled in Percussion Ensemble for the complete previous three years.

Students enrolled in this course will complete the Percussion Ensemble requirements as well as:

*Participate in the Ohio Music Education Solo and Ensemble Adjudicated Event

***All students enrolled in this course are required to perform at 4 evening concerts. These performances are a major performance and assessment requirement. A detailed performance calendar outlining all required performances will be made available in the spring.*

MARCHING BAND (EAGLE PRIDE)

0.25 Credit 1 SEM Grade: 9-12 Elective

This ensemble is open to all spirited musicians and serves as musical ambassadors to the CJ student body, school community, and opposing teams. The band performs at fall and winter athletic events, pep rallies, as well as other community events. Students will be expected to represent CJ in a positive spirit. This class meets outside of the regular school day. If the student is using marching band to satisfy the PE waiver, no course credit will be awarded.

STRING ORCHESTRA ENSEMBLE

1.00 Credit 1 YEAR Grade: 9-12 Elective

Prerequisite: Students must have successfully completed at least one year of middle school orchestra or private lessons on their instrument. Students who do not meet this criterion should contact the orchestra director to arrange an audition.

Required Materials: Students must have their own string instrument in good working condition.

This is a yearlong performance course designed to provide students with the opportunity to experience numerous musical styles of both traditional and contemporary string

literature. Through the study of this literature, coupled with class discussion, listening experiences, performances, assignments, and projects, students will develop performance technique as well as a foundation of knowledge of musical elements. Students are assessed on performance skills, rehearsal technique, and written assignments. Evening concerts are also a major performance and assessment requirement.

CONCERT CHOIR

1.00 Credit 1 YEAR Grade: 9-12 Elective

Concert Choir is a yearlong performance course open to all students wishing to participate in a vocal ensemble. It is designed to provide students with the opportunity to experience numerous musical styles of both traditional and contemporary choral literature. Through the study of this literature, coupled with class discussion, listening experiences, performances, assignments, and projects, students will develop vocal performance technique as well as a foundation of knowledge of musical elements. Students are assessed on performance skills, rehearsal technique, and written assignments.

***All students enrolled in this course are required to perform at 4 concerts throughout the school year. These performances are a major performance and assessment requirement. A detailed performance calendar outlining all required performances will be made available in the spring.*

HONORS CONCERT CHOIR

1.00 Credit 1 YEAR Grade: 12 Only Elective

Prerequisite: Student must have been enrolled in Concert Choir for the complete previous three years.

Students enrolled in this course will complete the Concert Choir requirements as well as:

*Participate in the Ohio Music Education Solo and Ensemble Adjudicated Event

***All students enrolled in this course are required to perform at 4 concerts throughout the school year. These performances are a major performance and assessment requirement. A detailed performance calendar outlining all required performances will be made available in the spring.*

LITURGICAL CHOIR

0.50 Credit 1 YEAR Grade: 9-12 Elective

This course is open to all students who wish to participate in a performing choir that specifically provides music for school liturgies. Assessment is based on performance and exhibiting good rehearsal techniques. The class meets before school on Tuesday and Thursday mornings. Class attendance is a significant part of a student's assessment in this course.

MUSIC THEORY AND COMPOSITION I

1.00 Credit 1 YEAR Grade: 9-12 Elective

Prerequisite: Previous music reading experience in instrumental or vocal music.

This yearlong course teaches a wide array of musical concepts. It is designed for the student who wishes to further study the building blocks of music. Students learn the basics of music notation and score analysis along with knowledge of basic tonal harmony in the Common Practice Period. Students engage in a variety of written, aural, and compositional exercises that teach them the many aspects of musical composition and analysis. The focus is on learning the foundational principles of music theory that lead to

aptitude in analysis and beginning composition.

MUSIC THEORY AND COMPOSITION II

1.00 Credit 1 YEAR Grade: 10-12 Elective

Prerequisite: Music Theory and Composition I

Music Theory and Composition II is a rigorous course designed to expand and enhance the basic skills of the serious high school musician and those learned in Music Theory and Composition I. Music composition, melodic practices, theory of harmony and other musical concepts are studied, encompassing the common practice period up through the Baroque/Classical period (1600-1750). Music from other stylistic periods are also studied, as well as a brief unit on jazz theory. The study, writing, singing and analysis of the 4-part chorale from this common practice period is the common thread to the course study.

POP A CAPPELLA GROUP – VEGA

1.00 Credit 1 YEAR Grade: 10-12 Elective

Prerequisite: Students must be currently enrolled in concert choir, concert band, percussion ensemble, or string ensemble. AUDITION required.

This is a yearlong performance course designed to provide students with the opportunity to enhance students vocally through the vehicle of popular and contemporary a cappella music. Evening concerts and additional performances are a major performance and assessment requirement. This course meets outside of the regular school day for 5-6 hours per week.

POP A CAPPELLA GROUP – PHOENIX

1.00 Credit 1 YEAR Grade: 9-12 Elective

Prerequisite: Students must be currently enrolled in concert choir, concert band, percussion ensemble, or string ensemble. AUDITION required.

This is a yearlong performance course designed to provide students with the opportunity to enhance students vocally through the vehicle of popular and contemporary a cappella music. Evening concerts and additional performances are a major performance and assessment requirement. This course meets outside of the regular school day for 5-6 hours per week.

FINE ARTS / THEATER

0.50 Credit 1 SEM Grade: 9-12 Elective

This course will provide an introduction to drama, combining both acting related skills and drama appreciation. Students will develop skills in improvisation, voice and diction, oral interpretation, and pantomime. In addition they will enhance their knowledge and understanding of dramatic elements, theater history, structure and variety, and roles and careers.

STAGECRAFT (TECHNICAL THEATRE)

0.50 Credit 1 SEM Grade: 9-12 Elective

Stagecraft introduces students to a practical approach to technical and production aspects. Students learn the skills needed to construct scenery, hang and focus lighting instruments, and implement a sound system. Students are trained in the usage of tools, lumber, and machinery. Students will play an active role in CJ's current production.

ACTING I

0.50 Credit 1 SEM Grade: 9-12 Elective

This course is an introduction to fundamental acting techniques. Topics explored are voice, movement, auditioning, script and character analysis, and improvisation. Students will study the development of acting and directing and apply these skills to class and public performances. The course focuses on the use of realistic action for characterization and script analysis. Students also develop the important skills of concentration, listening, physicalization, and spontaneity.

ACTING II

0.50 Credit 1 SEM Grade: 9-12 Elective

Prerequisite: Successful completion of Acting I or teacher approval.

This course is a continuation of Acting I. Topics explored in more depth are script and character analysis, performance, directing, concentration, and improvisation. Students will work on a semester long performance project and perform it at the end of the semester.

ADVANCED ACTING & DIRECTING

1.00 Credit 1 YEAR Grade: 10-12 Elective

Prerequisite: Successful completion of Acting I or II or teacher approval

This course will explore an advanced focus on acting techniques and methods. Students will learn the intricacies of directing and producing a production, from interpretation to organization. Furthering and understanding the acting process more deeply, students will develop an awareness of a personal acting style and experience performing more fully developed characters. This course may be taken more than once.

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PROJECT LEAD THE WAY (PLTW)

Project Lead the Way (PLTW) offers a proven curriculum in engineering and biomedical science found in more than 12,000 schools in all 50 states. Its sequence of high school courses, when combined with appropriate mathematics and science courses, introduces students to the scope, rigor and discipline of engineering, technology, and biomedical sciences prior to entering college. The program's world-class curriculum is rigorous and contemporary, problem/project-based, and is supported by extensive teacher professional development. Students who successfully complete one or more PLTW courses may be eligible for college credit from affiliate colleges and universities.

Engineering and Biomedical Courses engage students to step into the role of engineers and health scientists to apply skills of critical thinking to real problems.

Students become prepared to:

- Solve problems
- Collaborate as part of a team
- Deliver effective oral and visual presentations
- Conduct and document research
- Explore real-world challenges
- Analyze, display, and communicate data
- Learn outside the classroom

INTRODUCTION TO ENGINEERING DESIGN

1.00 Credit 1 YEAR Grade: 9-12 Elective

Prerequisites: Students need to be enrolled in Algebra I A or higher or completed Algebra I A or higher with an 80% average.

Students use industry-standard three-dimensional modeling software to improve existing products, invent new ones, and communicate the details of the products to others.

Students learn and apply the engineering design process, practice problem solving skills, think critically, and create and analyze models using Autodesk Inventor.

PRINCIPLES OF ENGINEERING

1.00 Credit 1 YEAR Grade: 10-12 Elective

Prerequisites: Completion of Introduction to Engineering Design.

Students work through activities, projects, and problems to explore a wide variety of careers in engineering and technology, mechanisms, strength of materials, automation, and manufacturing processes, and the social, economic, and political consequences of technological change. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. VEX robotic systems are utilized in this course with the Robot C programming language. Students earn honors credit for this course.

CIVIL ENGINEERING AND ARCHITECTURE

1.00 Credit 1 YEAR Grade: 11-12 Elective

Prerequisites: Completion of Introduction to Engineering Design and Principles of Engineering

Co-requisite: Enrollment in Algebra 2 or higher.

Students learn about civil engineering and architecture and apply their knowledge to the design and development of residential and commercial building sites. Students use 3D

architectural design software (Autodesk Revit) to design and document solutions for course projects. Students communicate and present solutions to their peers and members of a professional community of engineers and architects. Students earn honors credit for this course.

ENGINEERING DESIGN AND DEVELOPMENT

1.00 Credit 1 YEAR Grade: 9-12 Elective

Prerequisites: Completion of Introduction to Engineering Design and Principles of Engineering. Recommended to complete a third year of PLTW Engineering prior to taking this course.

The knowledge and skills students acquire throughout PLTW engineering courses come together in this course as students identify an issue and research, design, and test a solution, ultimately presenting their solution to a panel of practicing professionals. The product development life cycle, an innovative design process, and engineering mentors from area employers are used to guide the teams in reaching a solution to the problem. This capstone research and design course allows students to apply all the skills and knowledge learned in previous PLTW courses and practice project and time management, presentation skills, and engineering documentation techniques. *This is a dual enrollment course taught at CJ for which students may simultaneously earn both high school credit and two semester hours of college credit from the University of Dayton for EGR 103. As a dual enrollment course, students earn honors credit.*

Biomedical Science Courses

PRINCIPLES OF BIOMEDICAL SCIENCE

1.00 Credit 1 YEAR Grade: 9-12 Elective

Prerequisites: Students need to be enrolled in Biology 1 or have already completed Biology 1 with an 80% average.

Students analyze the evidence found at a crime scene and help the medical examiner uncover clues left on a body to solve a mystery. They will question, diagnose, and propose treatment and care of patients in a family medical practice. Students track down the source of a mysterious outbreak at a local hospital, access and stabilize a patient during an emergency and prepare for a medical surge and mobile medical care, and collaborate with professionals in other fields to innovate and design solutions to local and global medical problems. Whether seeking a career in medicine or healthcare or simply looking for the challenge of real-world problems, students in Principles of Biomedical Science will practice how to think creatively and critically to innovate in science and will gain practical experience with experimental design and the design process.

HUMAN BODY SYSTEMS

1.00 Credit 1 YEAR Grade: 10-12 Elective

Prerequisites: Completion of Principles of Biomedical Science or teacher recommendation.

Students examine the processes, structures, and interactions of the human body systems to learn how they work together to maintain homeostasis (internal balance) and good health. Using real-world cases, students take on the role of biomedical professionals and work together to solve medical mysteries. Hands-on projects include designing experiments, investigating the structures and functions of body systems, and using data acquisition software to monitor body functions such as muscle movement, reflex and

voluntary actions, and respiratory operation. Important concepts covered in the course are communication, transport of substances, locomotion, metabolic processes, defense, and protection. This course may be used for science credit. Students earn honors credit for this course.

MEDICAL INTERVENTIONS

1.00 Credit 1 YEAR Grade: 11-12 Elective

Prerequisites: Completion of Human Body Systems or teacher recommendation.

Students follow the life of a fictitious family as they explore the prevention, diagnosis, and treatment of disease. Students investigate various medical interventions, using current scientific research, that extend and improve quality of life, including gene therapy, pharmacology, surgery, prosthetics, rehabilitation, and supportive care. With 3D imaging, data acquisition software, and scientific research, students design a product that can be used as a medical intervention. This course may be used for science credit. Students earn honors credit for this course.

BIOMEDICAL INNOVATION

1.00 Credit 1 YEAR Grade: 11-12 Elective

Prerequisites: Completion of Medical Interventions

Students work in teams to research, design, and present innovative solutions for several open-ended health challenges of the 21st century. Clinical medicine, physiology, biomedical engineering, and public health are incorporated in the projects. Mentors from area employers are used to guide the teams in reaching solutions to the problems. This capstone research and design course allows students to apply all the skills and knowledge learned in previous Project Lead the Way courses, and practice project and time management techniques. This course may be used for science credit. Students earn honors credit for this course.

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RELIGION

RELIGION 9 – INTRODUCTION TO RELIGION

1.00 Credit 1 YEAR Grade: 9 Required

This course is an introduction to the C J community and to Roman Catholic practice, teaching, and worship. Students will receive an introduction to and preparation for many of the topics they will study in their religion courses as sophomores, juniors, and seniors. The content of the course includes the goals and objectives from the Archdiocese of Cincinnati's graded course of study focused on the topics of Church and Sacraments. Also included is content based on the Marianist curriculum and the values of the Sisters of Notre Dame de Namur. Emphasis will be placed on the development of the skills necessary for further study in religion. **The students' freshman year service activities will be discussed and used throughout this course.**

RELIGION 10 - SCRIPTURE

1.00 Credit 1 YEAR Grade: 10 Required

As Church, God calls us all to holiness. This course looks at the response to that call by our ancestors in faith from Abraham through Jesus and the first disciples as recorded in Scripture. The faith journeys of our ancestors in faith will be studied in their historical context. Students will be challenged to see the relevance of these ancient sacred texts for their own faith journeys. Concepts of "covenant," "kingdom," "prophetic voice," and responding to our own call to bring forth the kingdom will be emphasized. The content of this course includes the goals and objectives from the Archdiocese of Cincinnati's graded course of study focused on the topics of "The revelation of Jesus Christ in Scripture" and "Who is Jesus?" **The students' sophomore year service activities will be discussed and used throughout this course.**

RELIGION 11: MORALITY AND SOCIAL JUSTICE

1.00 Credit 1 YEAR Grade: 11 Required

This course explores morality and social justice through the lens of Catholic Tradition. The students will practice moral decision-making and conscience formation in relation to contemporary moral issues. The students will investigate Catholic Social teaching about the seamless garment, advancing peace and justice, stewardship of God's creation, the common good, respect for self as created in the image of God, and the inclusivity of human dignity. Students will participate in service learning, research, critical thinking, problem solving, discussion, reflection, simulations, prayer, and group tasks. They will also study books and articles related to the course topics. Students will grow intellectually, spiritually, emotionally, and communally with their neighbors locally and globally. The content of this course includes the goals and objectives from the Archdiocese of Cincinnati's graded course of study focused on the topics of Catholic morality and Catholic social teaching. **This course requires students to develop research skills through the completion of the integrated social justice research project which includes a 25-hour service-learning component.**

RELIGION 12 – WORLD RELIGIONS/CHRISTIAN LIFESTYLES

1.00 Credit 1 YEAR Grade 12 Required

CHRISTIAN LIFESTYLES—approximately one semester

This portion of the course focuses on developing a realistic and positive understanding of marriage and family relationships and vowed and ordained ministries, and how these vocations are lived out in the context of Christian faith and commitment. Topics covered include personality development, relationships, marriage, sexuality in marriage, parenting, and stages of marriage. The content of this course includes the goals and objectives from the Archdiocese of Cincinnati's graded course of study focused on Christian lifestyles and vocations.

WORLD RELIGIONS—approximately one semester

This portion of the course is a survey of the major religious systems of the world. The history, creed, practice and rituals, and spirituality of Christianity, Islam, Judaism, Hinduism, Buddhism and other Asian faith systems will be explored. Students will be challenged to compare and contrast their experience of Christianity with the beliefs, rituals, and moral teachings of the aforementioned religious systems. The content of this course includes the goals and objectives from the Archdiocese of Cincinnati's graded course of study focused on the religions of the world.

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SCIENCE

PHYSICAL SCIENCE

1.00 Credit 1 YEAR Grade: 9 Elective

This course will introduce students to high school level science. It is designed for students who experience some difficulties with reading and comprehension skills. Students will explore the world of science and establish a solid foundation in the study and application of scientific principles in space science, and physical science in alignment with the Ohio Science Content Standards. Measurement, charting, graphing, data gathering and interpretation techniques will be developed through various classroom and laboratory activities. Students will have opportunities to work independently and in small groups. Activities include labs, presentations, lecture, note taking, quizzes, tests, and homework.

This course is not an approved NCAA course. Students wishing to play collegiate level athletics should consult with their guidance counselor before taking this course.

PHYSICAL SCIENCE CP

1.00 Credit 1 YEAR Grade: 9 Elective

This course is designed to introduce students to high school level science at the college preparatory level. Students will explore the world of science and establish a firm foundation in the study and application of scientific principles in space science, and physical science in alignment with the Ohio Science Content Standards. Measurement, charting, graphing, data gathering and interpretation techniques will be developed through various classroom and laboratory activities. Students will have opportunities to work independently and in small groups. Various lecture and laboratory experiences will be utilized in this course.

BIOLOGY 1

1.00 Credit 1 YEAR Grade: 10 Required

Prerequisites: Counselor placement for freshmen.

This is a course which includes the basics of biology such as cells, taxonomy, and heredity. This course is designed for students who experience some difficulty with reading and comprehension skills. Various lecture and laboratory experiences will be utilized in this course.

This course is not an approved NCAA course. Students wishing to play collegiate level athletics should consult with their guidance counselor before taking this course.

BIOLOGY 1 CP

1.00 Credit 1 YEAR Grade: 9-10 Required

Prerequisites: Counselor placement for freshmen.

Co-requisite: Algebra 1A or higher

This is a first level science course that uses as its theme "Exploring Life." This exploration provides for actual learning via the classroom through many interesting inquiry based lab/class opportunities. The course covers ecology, plant and animal diversity, genetics, the chemistry of life, and cells. Some dissection will be required.

HONORS BIOLOGY 1

1.00 Credit 1 YEAR Grade: 9-10 Elective

Prerequisites: For freshmen – 8 or 9 stanine on a standardized test AND counselor placement. For sophomores – teacher recommendation.

This is an introductory honors course in biology for those who are especially talented or interested in science. It will include work in such areas as ecology, genetics, evolution, cells, biochemistry, and plant and animal life. The course is a mixture of lab experience, small group work, lecture, and independent work. It is recommended only for those willing and capable of serious, deeper study of biology. The accompanying laboratory program is also more specific, demanding, and work oriented than CP.

ADVANCED PLACEMENT BIOLOGY

1.00 Credit 1 YEAR Grade: 11-12 Elective Fee: AP Test Fee

Prerequisite: Teacher recommendation.

Required Materials: Textbook purchase is required.

This course is designed to be the equivalent of a first year college biology course. Its focus is to go beyond the basic vocabulary and content achieved in the first year honors course, expanding into the synthesis of these facts into the overlying themes found throughout modern biology. Research, analysis, and the integration of original documents will play an important role throughout the course. An integral part of this course will be spent in the laboratory investigating such current areas of research including, but not limited to, recombinant DNA technology, biochemistry, genetic engineering, and physiology. Students will have the opportunity to learn laboratory techniques relevant to current biological research. This course is offered for students who are highly self-motivated, academically talented, and seeking an in-depth approach to the study of biology. Students taking this course are encouraged to take the Advanced Placement Biology exam in May.

This is a College Credit Plus course taught at CJ for which students may simultaneously earn both high school credit and eight semester hours of college credit from Sinclair Community College for BIO 1111 and BIO 1211.

CHEMISTRY A

1.00 Credit 1 YEAR Grade: 10-11 Elective

Prerequisite: Teacher recommendation.

This is an introductory course in chemistry designed for the college bound student. The principles covered have been restricted to those which are basic to a beginning course in college chemistry including atomic structure, chemical reactions and bonding, and solutions. The accompanying laboratory program is designed to be an enjoyable hard working experience which stresses the function and form of chemistry along with proper laboratory techniques. This course has a strong mathematical basis.

CHEMISTRY B

1.00 Credit 1 YEAR Grade: 11 Elective

Co-requisite: Enrolled in Algebra 2.

This is an introductory course in chemistry designed for the college bound student. The principles covered have been restricted to those which are basic to a beginning course in college chemistry including atomic structure, chemical reactions and bonding, and solutions. The accompanying laboratory program is designed to be an enjoyable hard

working experience which stresses the function and form of chemistry along with proper laboratory techniques. Math skills will be further developed and supported in this course.

HONORS CHEMISTRY

1.00 Credit 1 YEAR Grade: 10-11 Elective

Prerequisite: Teacher recommendation.

Co-requisite: Honors Geometry or CP Algebra 2 Trig

This is an accelerated course in chemistry for those who are pursuing an advanced course of high school study and are planning to take chemistry in college. Chemistry principles are developed in depth and with a corresponding amount of problem solving techniques. The accompanying laboratory program is also more specific, demanding, and work oriented than CP Chemistry.

ADVANCED PLACEMENT CHEMISTRY

1.00 Credit 1 YEAR Grade: 11-12 Elective Fee: AP Test Fee

Prerequisite: Teacher recommendation.

Requirements: Attend a meeting in May to receive course requirements.

This course is designed to be the equivalent of the general chemistry course usually taken during the first year of college. Students will attain an in-depth understanding of fundamentals and a reasonable competence in dealing with chemical problems. The course will contribute to the development of the student's abilities to think clearly and to express their ideas, orally and in writing, with clarity and logic. Topics such as the structure of matter, kinetic theory of gases, chemical equilibria, chemical kinetics, and the basic concepts of thermodynamics will be presented in considerable depth. Students are encouraged to take the Advanced Placement Chemistry exam in May.

ENVIRONMENTAL SCIENCE

1.00 Credit 1 YEAR Grade: 11-12 Elective

This is a second level biology course designed for students who have a focused interest in our relationship with the environment. The course focuses on environmental concepts and processes, including current environmental concerns such as air and water quality. Pollution is also incorporated as it affects our lives and the environment.

EARTH AND SPACE SCIENCE

1.00 Credit 1 YEAR Grade: 10-12 Elective

This course is designed to introduce students to the geological processes that shaped the universe, our solar system, and the Earth. Class discussions, lecture, group work, and laboratory work are the methodologies used to explain these concepts. The principles covered are restricted to those which are basic to a beginning course in college geology including universe and planetary development, rock formation and composition, earthquakes, volcanoes and other geological phenomena, geological processes and some archeology.

HUMAN ANATOMY & PHYSIOLOGY

1.00 Credit 1 YEAR Grade: 11-12 Elective

Prerequisite: Teacher recommendation and completion of Biology and Chemistry.

This course is an in depth study of the structure and functions of the human body. It is a

challenge to understand the complexity and intricacy of human systems. Lab work, including dissections of a cat, is an integral and required part of the course. This course is designed to prepare students for further study of health related or medical careers, such as nursing, medicine, dentistry, or physical therapy.

MODERN TOPICS IN SCIENCE: THE ENVIRONMENT

1.00 Credit 1 YEAR Grade: 11-12 Elective

This course delves into issues that our Earth and its citizens are facing on a day-to-day basis such as climate change, overpopulation, endangered species, loss of biodiversity, depletion of marine life, deforestation, pollution, and waste management. Students will discuss and investigate how to solve issues such as depletion of energy sources and growing biofuels. Students will learn skills to determine how climate change is affecting storm patterns around us. The movement of toxins in the environment and how those lead to issues with the health of people and ecosystems will also be studied.

CONCEPTUAL PHYSICS

1.00 Credit 1 YEAR Grade: 11-12 Elective

Co-requisite: Enrollment in a math course higher than Algebra II.

This course examines physical principles involved in motion, astronomy, mechanics, light and wave motion, and electricity and magnetism. While these concepts are rooted in math, the course will examine the topics with less emphasis on mathematical manipulations. Laboratory experiences will be incorporated into the course. This course provides a solid background in introductory physics for the non-science major in college.

PHYSICS

1.00 Credit 1 YEAR Grade: 11-12 Elective

Co-requisite: Enrollment in Algebra 3/Trig or higher math course.

This course examines physical principles involved in motion, astronomy, mechanics, light and wave motion, and electricity and magnetism. The approach to many topics is mathematical and includes laboratory experiences. This course provides a solid background in introductory physics for the college bound student.

HONORS PHYSICS

1.00 Credit 1 YEAR Grade: 11-12 Elective

Co-requisite: Enrollment in Honors Pre-Calculus or higher math course.

This course is designed to delve more deeply into the topics covered in physics, including motion, mechanics, dynamics, circular motion, energy, rotation, wave motion, and electricity. The course will be a more mathematical approach and laboratory analysis than CP Physics.

Note: Project Lead the Way Biomedical Science classes ([see descriptions](#)) are also available for Science credit.

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SOCIAL STUDIES

WORLD HISTORY

1.00 Credit 1 YEAR Grade: 9 Required

This course is designed to teach the history, culture, and geography of the major regions of the world from the Age of Revolution through the Twentieth Century. The curriculum and methodology are designed for students who experience some academic challenges. The regions covered include Africa, the Middle East, Asia, Western Europe, Eastern Europe, and Latin America.

WORLD CULTURES

1.00 Credit 1 YEAR Grade: 9 Required

This course is designed to provide a global perspective of the culture, history, and geography of the major cultural regions of the world from the Age of Revolution through the Twentieth Century. The regions covered include Africa, the Middle East, Asia, Western Europe, Eastern Europe, and Latin America.

HONORS WORLD CULTURES

1.00 Credit 1 YEAR Grade: 9 Elective

Prerequisite: Stanine of 8 or 9 on a standardized test AND an A average in grade school social studies AND guidance counselor placement.

This course is designed to provide a global perspective of the history, geography, and characteristics of the major cultural regions of the world from the Age of Revolution through the Twentieth Century. Students will study the cultures of peoples in the Middle East, Africa, India, China, Japan, South America, Europe, Russia and former republics to the Soviet Union. Students are required to complete independent work and to exercise their critical thinking and writing skills through discussions, projects, and tests. Students will be expected to read many different sources beyond the text book.

AMERICAN HISTORY

1.00 Credit 1 YEAR Grade: 10 Required

This course covers United States history from post reconstruction through the twentieth century. Students will study the U.S. from political, social, cultural, economic, and geographic points of view.

ADVANCED PLACEMENT UNITED STATES HISTORY

1.00 Credit 1 YEAR Grade: 10-12 Fee: AP Test Fee

Prerequisite: Final average of 90% or above in Honors World Cultures or 93% or above in CP World Cultures.

Students will study United States history from 1607 to the present. The course will review U.S. development from political, social, cultural, economic, religious, intellectual, and geographic perspectives. This course is offered for students who are highly motivated, academically talented, and seeking an in-depth approach to the study of U.S. history. Research, analysis, and interpretation of historical events will be expected. Students in this course are encouraged to take the Advanced Placement United States History exam in May. Summer reading and writing assignments are a requirement of this course. Successful completion of this course will satisfy American History requirement. *This is a College Credit Plus course taught at CJ for which students may simultaneously*

earn both high school credit and six semester hours of college credit from Sinclair Community College for HIS 1101 and HIS 1102.

AMERICAN GOVERNMENT

1.00 Credit 1 YEAR Grade: 11 Required

This course emphasizes the structure and function of federal, state, and local governments. Students will gain a better understanding of the organization, performance, and importance of our American government. Students will look at various issues affecting the past, present, and future of our government and how various non-governmental organizations impact society. Topics in personal finance and economics will also be covered. At the center of the course will be the study of the supreme law of our land – The Constitution of the United States.

ADVANCED PLACEMENT UNITED STATES GOVERNMENT

1.00 Credit 1 YEAR Grade: 11 Elective Fee: AP Test Fee

Prerequisites: Final average of a 90% or above in AP American Studies or 93% or above in CP American Studies.

This course will cover political thought past and present, the structure of government and the relationship of government and society. The manner of presentation assists the student in defining issues and solutions, in understanding different political points of view and their ramifications, and in examining not only facts but the necessary interaction between Christian beliefs and political life. The reading of primary documents is an integral part of the course. Students will also spend time during the second semester studying comparative government and global issues including how non-governmental organizations impact society. Topics in personal finance and economics will also be covered. Students are encouraged to take the Advanced Placement US Government exam in May. Summer reading and writing assignments are a requirement of this course.

ADVANCED PLACEMENT EUROPEAN HISTORY

1.00 Credit 1 YEAR Grade: 11-12 Elective Fee: AP Test Fee

Prerequisites: Final average of 90% or above in AP American Studies, 93% or above in CP American Studies.

Advanced Placement European History is a class designed to challenge and stimulate selected seniors. This course will acquaint the student with various major themes involving European History; these major themes are social, economic, political, religious and diplomatic. The themes will be studied from the late Middle Ages through the post World War II time period (1500 to 1989). Students are expected to read, think, write, analyze and discuss on the college freshmen level. The nature of the course requires that all reading assignments be completed by the due date. No late work will be accepted without prior approval of the teacher. Summer work will be determined and assigned on a yearly basis as selected by the instructor. Students who take this course are encouraged to take the A.P. exam in May placement Exam in May.

PSYCHOLOGY

0.50 Credit 1 SEM Grade: 11-12 Elective

This course is designed for students with a basic interest in understanding themselves and others. Students will survey the basic principles and methods of the science of psychology. Through investigation in behavior development, learning principals, memory systems, thinking processes, the study of personality, conflict resolution and abnormal behaviors, the course offers a framework for studying interesting behaviors of everyday life. Students who have taken AP Psychology may not enroll in this course.

ADVANCED PLACEMENT PSYCHOLOGY

1.00 Credit 1 YEAR Grade: 11-12 Elective Fee: AP Test Fee

Prerequisite: Final average of 90% or above in the last AP Social Studies class taken or 93% or above in the last CP Social Studies class taken.

The course is designed for students with profound interest in psychology who are willing to work hard to grasp essential concepts about human behavior. In line with the Advanced Placement Test, students will learn about the methods of the psychologist and the methodology of psychology, the biological bases of behavior, learning and cognition, sensation and perception, states of consciousness, personality, psychological testing, and abnormal behavior. Students in this course are encouraged to take the Advanced Placement test in May. Students enrolled in this class may not enroll in CP Psychology. *This is a College Credit Plus course taught at CJ for which students may simultaneously earn both high school credit and three semester hours of college credit from Sinclair Community College for PSY 1100.*

ECONOMICS

0.50 Credit 1 SEM Grade: 12 Elective

This course introduces students to the basic principles of economics, but more importantly, creates an awareness of the problems faced by the consumer in the market places of today's global society. Emphasis is placed on discussion, problem solving, fact-finding, and critical thinking.

SOCIOLOGY

0.50 Credit 1 SEM Grade: 11-12 Elective

A one semester class that is designed to study human society with emphasis on the United States. Topics include the study of culture, inequality in society, institutions that support culture & the challenges facing society in the future. Topics will be approached from a historical & sociological perspective. A major project will be the sociological survey which elevates data to the level of Sociology.

THE AMERICAN PRESIDENCY

0.50 Credit 1 SEM Grade: 11-12 Elective

This is a semester long elective for juniors and seniors with focus on the various roles and history of the American Presidency. This course will examine not only the men who have served the role of our Nation's leader, but also the specific responsibilities of the Presidency. Special attention will be paid to the major influences on the presidents such as the first ladies, vice-presidents, rivals, and major events during their presidency.

Major Topics Covered- What is the Office of the Presidency and why was this political system chosen by our founding fathers. Material will be divided into four specific areas: Early Presidents, Expansionist Presidents, Crisis Presidents, and Modern Presidents.

POST WORLD WAR II AMERICA

0.50 Credit 1 SEM Grade: 11-12 Elective

This one semester class is designed to cover the history of the United States 1945 to the present from historical, cultural & political and economic perspectives. Emphasis will be on American history but since this period was marked with foreign policy challenges, global issues will also be examined. Topics covered will include Cold War, Kennedy-Johnson, Vietnam, Watergate, Civil Rights, the Reagan years and Wars in the Middle East. Internet research & the use of primary sources will be a critical part of the course.

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VISUAL ARTS

ART 1

1.00 Credit 1 YEAR Grade: 9-12 Elective *Beginner Level

This course is offered to students who are interested in art and is interested in learning the basics of drawing, painting, and art appreciation. Students will explore a variety of art mediums, learn basic techniques, and explore art history while developing a working portfolio.

ART 2

1.00 Credit 1 YEAR Grade: 10-12 Elective *Intermediate Level

Prerequisite: A minimum 85% final average in Art 1.

This course is designed to expand upon the skills and fundamentals learned in Art 1. Students will continue their development of art awareness with emphasis placed upon portfolio development and more complex art assignments. There will be a continued focus on the elements and principles of art and composition. Students will participate in several art competitions throughout the year including the National Scholastic Art & Writing Competition, the Max May Memorial Holocaust Exhibition, and the Ohio Governor's Awards.

ART 3

1.00 Credit 1 YEAR Grade: 11-12 Elective *Intermediate Level

Prerequisite: A minimum 85% final average in Art 2.

This course provides a curriculum designed for the advanced art student. Students will begin to narrow the study of a specific medium or area in a portfolio and will focus on that specific medium or area of focus for the entire year. Students need to maintain their own art supplies. Students will participate in several art competitions throughout the year including the National Scholastic Art & Writing Competition, the Max May Memorial Holocaust Exhibition, and the Ohio Governor's Awards.

HONORS ART 4

1.00 Credit 1 YEAR Grade: 12 Elective *Advanced Level

Prerequisite: A minimum 85% final average in Art 3.

Students will develop their portfolios for college entry, scholarship competition, and local exhibitions. Each student will work on general portfolio guidelines as well as more specific individual needs. Students need to maintain their own art supplies. Students will participate in several art competitions throughout the year including the National Scholastic Art & Writing Competition, the Max May Memorial Holocaust Exhibition, and the Ohio Governor's Awards.

ADVANCED PLACEMENT 2-D ART AND DESIGN

1.00 Credit 1 YEAR Grade: 11-12 Elective Fee: AP Test Fee

Prerequisite: A minimum 93% final average in Art 2, a minimum 93% final average in all other high school art courses, AND a personal portfolio approved by the teacher.

Advanced Placement (AP) Studio Art is a comprehensive, college-level course designed by the College Board and implemented by an accredited art educator. The course is designed for high school senior level students who are seriously interested in the practical experience of art. Students will create a portfolio of art that has the opportunity to earn college credit, advanced placement credit, or both while still in high school. The

student's portfolio can also be used in competitions as part of their applications to colleges, art schools, and scholarships. Students in this course are encouraged to submit their portfolios to AP in May.

This course meets two days a week after school at K12 Gallery & TEJAS. K12 Gallery and TEJAS is located at 341 S. Jefferson Street Dayton, OH 45402, approximately 4 blocks east of CJ.

INTRODUCTION TO CERAMICS

0.50 Credit 1 SEM Grade: 10-12 Elective *Beginner Level

This course teaches the development, creation, and evaluation of three-dimensional forms in clay. Students will learn hand building techniques for sculptural and pottery pieces and learn wheel throwing techniques. Students will learn about glazing and will have pieces fired in a kiln. Finished pieces will be eligible for entry into competitions including the National Scholastic Art & Writing Competition, the Max May Memorial Holocaust Exhibition, and the Ohio Governor's Awards.

ADVANCED CERAMICS

0.50 Credit 1 SEM Grade: 10-12 Elective *Advanced Level

Prerequisite: Introduction to Ceramics

This course provides an in-depth curriculum in both functional and sculptural ceramics. Students will build upon skills learned from the introductory course. A history of ceramics will be explored as well as contemporary ceramicists and their practices. Students will propose designs and projects to completed throughout the semester as well as learn glazing and staining techniques. Finished pieces will be eligible for entry into competitions including the National Scholastic Art & Writing Competition, the Max May Memorial Holocaust Exhibition, and the Ohio Governor's Awards.

INTRODUCTION TO PHOTOGRAPHY

0.50 Credit 1 SEM Grade: 10-12 Elective *Beginner Level

Required materials: Students must have a camera to use for the entire semester.

In this course students learn the art of black and white film photography. Basic principles of composition, lighting, developing, and shooting will be taught. Students will use cameras and darkroom facilities at K12 Gallery. Critique processes will help students develop a more sophisticated vision of the world around them. Students will study the history of photography and learn about contemporary photographers as they explore the medium. Finished pieces will be eligible for entry into competitions including the National Scholastic Art & Writing Competition, the Max May Memorial Holocaust Exhibition, and the Ohio Governor's Awards.

MIXED MEDIA: PRINTMAKING, FIBERS & GLASS

0.50 Credit 1 SEM Grade: 9-12 Elective *Beginner Level

This course will introduce students to the world of mixed media art and printmaking. Students will explore a variety of 3D mixed media, collage work, mask making, fabric dyeing, and mosaics. They will also make 2D images based on their original designs, learn how to translate them into various types of printmaking, and be trained to use a press. Students will learn how these methods have their roots in art history and how they remain relevant to contemporary art. Students will also be introduced to glass techniques such as glass fusing and hot glass.

2D & 3D DESIGN

0.50 Credit 1 SEM Grade: 9-12 Elective *Beginner Level

This course provides an introduction to both 2D basic design systems as well as 3D principles and concepts. Students will study formal order and visual content while working with mediums ranging from graphite and ink to plaster and wire.

INTRODUCTION TO DRAWING & PAINTING

0.50 Credit 1 SEM Grade: 9-12 Elective *Beginner Level

This course will focus specifically on the medium of paint and the techniques of painters. An exploration of acrylics, watercolor, and oil paint will guide beginners through multiple projects throughout the semester. Students will learn the history of painting and will be introduced to contemporary and local painters and their practices.

INTRODUCTION TO GLASS BLOWING

0.50 Credit 1 SEM Grade: 11-12 Elective *Intermediate Level

Class is limited to 10 students and requires parent to sign a safety waiver.

This class serves as an introduction to various processes involved in a hot glass shop. Through a series of lectures, demonstrations and hands on learning, students will learn techniques, skills, and the basic science of glass. Students will be introduced to the use of specialized tools and the importance of hot glass shop safety. Students will create a solid glass paperweight, blown glass vessel, glass casting, among other techniques. The ability to be comfortable with different types of materials and understand their strengths and weaknesses is what separates novice from professional when applying for different career fields like engineering.

ART SURVEY

0.50 Credit 1 SEM Grade: 9-12 Elective Fee: \$190

This course is for students who want to take art class outside the traditional school day. Students may compile hours by participating in K12 Gallery & TEJAS's Saturday art classes, after school art classes, or both. Students will arrange their schedule directly with K12 Gallery & TEJAS. Once students have successfully completed 60 clock hours of art classes at K12 Gallery & TEJAS, the K12 Gallery Education Director will sign-off on the student's time sheet and issue a grade. This course is designed for students who want to make time in their daily schedule in order to take other classes and therefore is not covered by the normal CJ tuition.

The Saturday and after school classes are designed to fit the needs of beginning artists as well as more advanced artists. The approach to the course is more project based than traditional classroom. Students can choose from the annual schedule of classes which range from painting and drawing to sculpture and hot glass.

To register for the Saturday and after school classes, call Steven Yates at K12 Gallery & TEJAS at (937) 461-5149.

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FOUR YEAR PLAN

Use this grid to help plan your course of study. Enter the credits you earn each year in each subject area. The TOTAL CREDITS earned in each subject area will be totaled at the end of the row. The TOTAL CREDITS earned in each grade level will be totaled at the end of the column.

	9 th	10 th	11 th	12 th	Total Credits
RELIGION					
ENGLISH					
MATH					
PHYS. ED.					
HEALTH					
SOC. STUD.					
SCIENCE					
FINE ARTS					
FOREIGN LANGUAGE					
ELECTIVES					
TOTAL CREDITS					

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