TRACY CHARTER

CARDINALS

High School Course Catalog

2026-2027

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High School Graduation Requirements vs. College Requirements

A student must earn 220 units of credit and satisfy the subject requirements listed below to receive a diploma of graduation from Tracy Charter School.

A-G requirements are the courses students are required to take in high school to meet the eligibility requirements for the UC and CSU systems. Most 4-year private institutions or out of state colleges/universities require similar courses. However, it is best to check the private school's website for their requirements. Each course presented in this catalog will indicate which A-G requirement that class meets (if any). All A-G classes must be passed with a grade of a C- or better.

Subject Requirement	TUSD Graduation Req.	Colleges/Universities
History	3 years	2 years
English	4 years	4 years
Math	2 years (including Algebra)	3 Years (4 years recommended)
Science (Biology, Chem/Phys, 3rd Yr.)	3 years	2 years (lab sciences, 3 yrs recommended)
Foreign Language	1 year*	2 years (3 yrs recommended)
Visual/Performing Arts	1 year*	1 year
Physical Education	2 years	None
Electives	70 credits minimum	1 year (must be A-G approved)

*TUSD Requires 1 year of a foreign language OR
1 year of fine arts for graduation

220 Credits are required for Graduation from TUSD

Grade Point Average

Grade Point Average is calculated using the student's semester grades as follows:

A = 4.0 (Honors/AP/IB Weighted GPA A = 5.0)
B = 3.0 (Honors/AP/IB Weighted GPA B = 4.0)
C = 2.0 (Honors/AP/IB Weighted GPA C = 3.0)
D = 1.0 (Honors/AP/IB Weighted GPA D = 1.0)
F = 0.0

Tracy Unified school district lists three types of GPAs on our transcripts for the following purposes:

Academic GPA 9-12 calculated using grades earned in all courses from years 9-12, both weighted and non-weighted.

Academic GPA 10-12 calculated using grades earned in A-G courses during years 10-12. This GPA is used to determine college eligibility. It is important to note that the UC/CSU system recalculates GPA for admissions differently. A-G courses taken during 9th grade are also an integral part of meeting the minimum requirements necessary for UC/CSU eligibility.

Total GPA 9-12 calculated using grades earned in all courses from years 9-12, both weighted and non-weighted. This GPA is used to determine eligibility for graduation.

Repeating Courses

Students may at some point need to repeat a course for purposes of meeting high school graduation requirements or to meet college eligibility requirements. Once the repeated course is completed, both the initial grade and the repeated grade will appear on the transcript. Credit from the initial course will be removed, as credit is only allowed once per course. When a course is being repeated during the school year, you must consider the loss of credit when calculating credit requirements for graduation.

Depending on the course, availability to repeat may be offered during the school year, summer school, adult school and online. Please discuss your individual circumstance with your academic counselor.

Electives

ACADEMIC SUCCESS (2419)
Length: 1 Semester
Graduation: Fulfills elective credit
A-G: No

Offering a comprehensive analysis of different types of motivation, study habits, and learning styles, this one-semester course encourages high school and middle school students to take control of their learning by exploring varying strategies for success. Providing engaging lessons that will help students identify what works best for them individually, this one-semester course covers important study skills, such as strategies for taking high-quality notes, memorization techniques, test-taking strategies, benefits of visual aids, and reading techniques.

AGRICULTURE, FOOD, AND NATURAL RESOURCES (2425)
Length: 1 Semester
Graduation: Fulfills elective credit
A-G: Meets "G" requirement

This semester-length high school course introduces students to the basic scientific principles of agriculture and natural resources. Students recognize and research plant systems, animal systems, government policy, "green" technologies, agribusiness principles, and sustainability systems. In this course, students apply understanding of ecosystems and systems thinking to the management of natural resources to maximize the health and productivity of the environment, agriculture, and communities. Students also analyze community practice or policy development related to sustainability in agriculture, food, and natural resources. Finally, students apply adaptive ecosystem management to a common pool resource problem in a manner that addresses ecological, socioeconomic, and institutional contexts.

BANKING SERVICES (6033)
Length: 1 Semester
Graduation: Fulfills elective credit
A-G: Meets "G" requirement

Banking Services Careers is a semester-long high school course that provides an overview of how the banking system works, what the Federal Reserve is, and the technical and social skills needed to work in banking and related services. Students explore career paths and the required training or higher education necessary and gain an understanding of the basic functions of customer transactions (e.g., setting up an account, processing a loan, establishing a business), cash drawer activity, check collection processes, and other customer service-related transactions. This course also discusses how technology has changed banking in the 21st century. The banking industry is responsible for many of the products that we use on a daily basis, from checking and savings accounts to debit cards, credit cards, and loans.

BUSINESS (2417)
Length: 1 Semester
Graduation: Fulfills elective credit
A-G: Meets "G" requirement

In this two-semester introductory course, students learn the principles of business using real-world examples, learning what it takes to plan and launch a product or service in today's fast-paced business environment. This course covers an introduction to economics, costs and profit, and different business types. Students are introduced to techniques for managing money, personally and as a business, and taxes and credit; the basics of financing a business; how a business relates to society both locally and globally; how to identify a business opportunity; and techniques for planning, executing, and marketing a business to respond to that opportunity.

CAREER PLANNING & DEVELOPMENT (2415 A/B)
Length: 2 Semesters
Graduation: Fulfills elective credit
A-G: No

Introducing high school students to the working world, this year-long course provides the knowledge and insight necessary to compete in today's challenging job market. This relevant and timely course helps students investigate careers as they apply to personal interests and abilities, develop the skills and job search documents needed to enter the workforce, explore the rights of workers and traits of effective employees, and address the importance of professionalism and responsibility as careers change and evolve. This one-semester course includes lessons in which students create a self- assessment profile, a cover letter, and a résumé that can be used in their educational or career portfolio.

COMPUTER APPLICATIONS: OFFICE® 2019 (2429 A/B)
Length: 2 Semesters
Graduation: Fulfills elective credit
A-G: No

This full-year course introduces students to the features and functionality of the most widely used productivity software in the world: Microsoft Office. Through video instruction, interactive skill demonstrations, and numerous hands-on practice assignments, students learn to develop, edit and share Office 2019 documents for both personal and professional use. By the end of this course, students will have developed basic proficiency in the most common tools and features of the Microsoft Office suite of applications: Word, Excel, PowerPoint, and Outlook.

CONSUMER SERVICES (2427)
Length: 1 Semester
Graduation: Fulfills elective credit
A-G: Meets "G" requirement

In this semester-long course, students analyze various career paths in terms of employment opportunities and educational requirements, such as hard and soft skills, certifications, and licensures for different pathways. Developing research, analytical, and presentations skills are key components. This course is designed as an overview to prepare students for a consumer service- related career and to introduce them to specialty areas. Emphasis is placed on the human services aspect (vs. corporate concerns) of consumer services. Social issues and advocacy, as well as ethics and legalities, are a recurring theme. Students gain knowledge of current issues affecting various consumer services professions, and the impact of local, state, national and global issues on consumer services.

CONTEMPORARY HEALTH (2496)
Length: 1 Semester
Graduation: Fulfills elective credit
A-G: Meets "G" requirement

Available as either a semester or year-long course, this high-school health offering examines and analyzes various health topics. It places alcohol use, drug use, physical fitness, healthy relationships, disease prevention, relationships, and mental health in the context of the importance of creating a healthy lifestyle. Throughout the course, students examine practices and plans they can implement to carry out a healthy lifestyle, and the consequences they can face if they do not follow safe practices. In addition, students conduct in-depth studies to create mentally and emotionally healthy relationships with peers and family, as well as nutrition. *This course covers issues of sex/gender identity, same-sex relationships, contraception, and other sensitive topics.*

COSMETOLOGY (5578 A/B)
Length: 2 Semesters
Graduation: Fulfills elective credit
A-G: Meets "G" requirement

Interested in a career in cosmetology? This course introduces students to the basics of cosmetology. Students will explore career options in the field of cosmetology, learn about the common equipment and technologies that are used by cosmetologists and examine the skills and characteristics that make someone a good cosmetologist. Students will also learn more about some of the common techniques used in caring for hair, nails, and skin in salons, spas, and other cosmetology related businesses. Helping people put their best face forward is a growing, vibrant industry which needs skilled and personable professionals well-versed in the latest trends and technological advances. In this course, students will experience what the day-to-day life of a cosmetologist is like. They will discover that cosmetology is much more than knowing and applying techniques. Additionally, students will explore skin care and facials, learn how to give manicures and pedicures and how to apply artificial nails, and gain an understanding of different hair removal techniques.

CRIMINOLOGY (2535)
Length: 1 Semester
Graduation: Fulfills elective credit
A-G: Meets "G" requirement

Why do certain people commit horrible acts? Can we ever begin to understand their reasoning and motivation? Perhaps. The mental state of a criminal can be affected by many different aspects of life: psychological, biological, sociological, all of which have different perspectives and influences. Investigate not only how these variables affect the criminal mind but also how crimes are investigated and handled in the criminal justice system.

CULINARY ARTS (5505 A/B)
Length: 2 Semesters
Graduation: Fulfills elective credit
A-G: Meets "G" requirement

Food is all around us - we are dependent on it and we enjoy it. This course will give you the basic fundamentals to start working in the kitchen and gaining experience as you explore and establish your talents for cooking and preparing food in a creative and safe way. You will learn safety measures as well as enhance your knowledge of various types of foods and spices. If you enjoy hands-on learning and want to deepen your knowledge about culinary arts, this is a great course to start.

CYBERSECURITY (2435 A/B)
Length: 2 Semesters
Graduation: Fulfills elective credit
A-G: Meets "G" requirement

We depend more on the technologies we interact with every day; and we put more and more of our personal data out there online. Can all of that data really be kept "secret"? Learn about the various parts of your computer, how they work together, and how you can manipulate them to keep your data safe. Dive into the tools, technologies, and methods that will help protect you from an attack and discover the many opportunities in the rapidly growing field of cybersecurity.

DRIVERS EDUCATION (4522)
Length: 1 Semester
Graduation: Fulfills elective 2.5 credits
A-G: NONE

Our state-approved program is an easy and convenient way to complete your teen driver education course requirements. Taking this driver's ed class online allows you to complete your California driver permit requirement at your own pace, with simple-to-use and easy-to-understand material in a user-friendly format. The online driver education course takes a state-required minimum of 30 hours to complete, including breaks. After you complete the California driver ed course, you will be required to take a 46-question written exam at your local DMV.

EDUCATION & TRAINING (6064)
Length: 2 Semesters
Graduation: Fulfills elective credit
A-G: Meets "G" requirement

Teaching and Training Careers is a year-long high school course that introduces students to the art and science of teaching. It provides a thorough exploration of pedagogy, curriculum, standards and practices, and the psychological factors shown by research to affect learners. In five units of study, lessons, and projects, students engage with the material through in-depth exploration and hands-on learning, to prepare them for teaching and training careers. Students are given many opportunities to be teachers or trainers, and to explore the tasks, requirements, teaching strategies, and research-based methods that are effective and high-quality.

FASHION DESIGN (2532)
Length: 1 Semester
Graduation: Fulfills elective credit
A-G: Meets "G" requirement

Are you a fashion trend follower? Are you drawn to how designers have pulled together fabrics and colors to create memorable pieces? Do you dream of designing your own line of clothing or accessories? Learn what it takes to get started in the fashion industry, from the careers available to new technology and trends reshaping the industry every day. Start creating!

FIRE AND EMERGENCY SERVICES (2434)
Length: 1 Semester
Graduation: Fulfills elective credit
A-G: Meets "G" requirement

Emergency and fire-management services are essential infrastructure components of a community. Fire and Emergency Services is a semester-long course that provides students with the basic structure of these organizations as well as the rules and guidelines that govern pre- employment education requirements. The vehicles, equipment, and emergency-mitigations strategies that are commonly used in the emergency- and fire-management field are also explored. Students gain an understanding of the goals of an emergency-management service and how they are implemented and managed, including personnel, budget, and labor-management challenges in the organization. Various preparedness plans are discussed as students explore typical characteristics and frameworks of modern emergency- and fire-management organizations.

FOOD SAFETY AND SANITATION (2436)
Length: 1 Semester
Graduation: Fulfills elective credit
A-G: Meets "G" requirement

This comprehensive semester-long course covers the principles and practices of food safety and sanitation that are essential in the hospitality industry for the protection and well-being of staff, guests, and customers. The course provides a systems approach to sanitation risk management and the prevention of food contamination by emphasizing the key components of the Hazard Analysis Critical Control Point (HACCP) food safety system. After successful completion of this course, students are prepared to meet the requirements of state and national certification exams.

FORENSICS (2518)
Length: 1 Semester
Graduation: Fulfills elective credit
A-G: Meets "G" requirement

Forensics is a semester- long high school course that overviews modern-day forensic science careers at work using science concepts to collect and analyze evidence and link evidence to the crime and suspects to present admissible evidence in courts of law. Projects in this course include simulated crime-scene investigation, actual DNA separation, development of a cybersecurity plan, and the identification of specific forensic skills used during the course of a very large murder case. The focus of this course is to assist students in making career choices. The overview of careers includes job descriptions and availability, educational and training requirements, licensing and certification, and typical annual salaries. Students who take this class will become equipped to make more informed career choices regarding the forensic, computer science and medical science fields. At the same time, students will survey the history and scope of present-day forensic science work.

HEALTH SCIENCE & MEDICAL TECHNOLOGY (2421)
Length: 1 Semester
Graduation: Fulfills elective credit
A-G: Meets "G" requirement

This high school course introduces students to a variety of healthcare careers as they develop the basic skills required in all health and medical sciences. In addition to learning the key elements of the U.S. healthcare system, students will learn terminology, anatomy and physiology, pathologies, diagnostic and clinical procedures, therapeutic interventions, and the fundamentals of medical emergency care. Throughout the course, instructional activities emphasize safety, professionalism, accountability, and efficiency for workers within the healthcare field.

HUMAN GROWTH AND DEVELOPMENT (2432)
Length: 1 Semester
Graduation: Fulfills elective credit
A-G: Meets "G" requirement

This semester-long course focuses on human growth and development over the lifespan, as well as careers that help people deal with various physical, intellectual, and socioemotional issues, such as physicians, nurses, nutritionists, substance abuse counselors, clergy, teachers, career counselors, psychologists, and psychiatrists. The course provides a background in human growth and development from before birth, through childhood, into adulthood, and through death and grief. It gives the student perspective and highlights where people in the caring professions are most needed. Students who take this course will come away with a broad understanding of all the careers that help people from birth to death.

HUMAN SERVICES (2440)
Length: 1 Semester
Graduation: Fulfills elective credit
A-G: Meets "G" requirement

This semester-long course introduces high school students to the possibilities for careers in the human services professions. Through anecdotes, lessons, and a variety of assignments and projects, students learn about the broad variety of jobs available in the human services. These begin with entry-level positions, such as associate social workers, that require a two-year Associate of Arts degree. Students also learn ethics and philosophies of the helping professions. The history of the profession, as well as the impact of the cultural, social, and economic environment on individual people, especially those who need social services assistance, is also explored.

INTERIOR DESIGN (2533)
Length: 1 Semester
Graduation: Fulfills elective credit
A-G: Meets "G" requirement

Do you have a flair for designing and decorating? If so, then let's learn how to turn your interests and skills into a career. Explore color, texture, trends, and styles over time, how homes are built, and "green" options for homes and businesses. Interior designers do it all—from planning the color scheme to choosing furniture and light fixtures—with the end goal of creating a space where people can live or work comfortably, safely, and happily.

LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY (2502)
Length: 1 Semester
Graduation: Fulfills elective credit
A-G: Meets "G" requirement

In this semester-long course, students learn about the many careers that exist within the fields of law, law enforcement, public safety, corrections, and security. In addition to learning about the training and educational requirements for these careers, students explore the history of these fields and how they developed to their current state. Students also learn how these careers are affected by and affect local, state, and federal laws. Finally, students examine the relationships between professionals in these fields and how collaborations between professionals in these careers help to create a safer, more stable society.

LORD OF THE RINGS (6065)
Length: 1 Semester
Graduation: Fulfills elective credit
A-G: NONE

The Lord of the Rings is one of the most popular stories in the modern world. In this course, you will study the movie versions of J.R.R. Tolkien's novel and learn about the process of converting literature to film. You will explore fantasy literature as a genre and critique the three Lord of the Rings films.

MEDICAL TERMINOLOGY (2456 A/B)
Length: 2 Semesters
Graduation: Fulfills elective credit
A-G: Meets "G" requirement

This full-year course introduces students to the structure of medical terms, plus medical abbreviations, and acronyms. The course allows students to achieve comprehension of medical vocabulary appropriate to health care settings, medical procedures, pharmacology, human anatomy and physiology, and pathology. The knowledge and skills gained in this course provide students entering the health care field with a deeper understanding of the application of the language of health and medicine. Students are introduced to these skills through direct instruction, interactive tasks, practice assignments, and unit-level assessments.

NURSING ASSISTANT (2420 A/B)
Length: 2 Semesters
Graduation: Fulfills elective credit
A-G: Meets "G" requirement

This two-semester course prepares students to provide and assist with all aspects of activities of daily living and medical care for the adult patient in hospital, long-term care, and home settings. Through direct instruction, interactive skills demonstrations, and practice assignments, students are taught the basics of nurse assisting, including interpersonal skills, medical terminology and procedures, legal and ethical responsibilities, safe and efficient work, gerontology, nutrition, emergency skills, and employability skills. Successful completion of this course from an approved program prepares the student for state certification for employment as a Certified Nursing Assistant (CNA).

PLANT SYSTEMS (6028)
Length: 1 Semester
Graduation: Fulfills elective credit
A-G: Meets "G" requirement

Plant Systems is a semester-long high school course that introduces students to the basics of plant biology, soil science, agriculture, and horticulture, along with the environmental management practices involved in each, including integrated pest management, biotechnology, growth techniques, and crop management. Students learn the basic parts of a plant, how plants are scientifically classified, and how they interact with water, air, nutrients, and light to undergo the processes of photosynthesis and respiration. Plant reproduction, including pollination, germination, and dispersal of seeds, is also presented. The course concludes by looking at careers in the plant sciences which include agronomy, horticulture, or landscape design.

PERSONAL FINANCE (2418)
Length: 1 Semester
Graduation: Fulfills elective credit
A-G: Meets "G" requirement

This introductory finance course teaches what it takes to understand the world of finance and make informed decisions about managing finances. Students learn more about economics and become more confident in setting and researching financial goals as they develop the core skills needed to be successful. In this one-semester course, students learn how to open bank accounts, invest money, apply for loans, apply for insurance, explore careers, manage business finances, make decisions about major purchases, and more. Students will be inspired by stories from finance professionals and individuals who have reached their financial goals.

SMALL BUSINESS & ENTREPRENEURSHIP (2442 A/B)
Length: 2 Semesters
Graduation: Fulfills elective credit
A-G: Meets "G" requirement

This full-year course is designed to provide the skills needed to effectively organize, develop, create, manage, and own a business, while exposing students to the challenges, problems, and issues faced by entrepreneurs. Throughout this course, students explore what kinds of opportunities exist for small business entrepreneurs and become aware of the necessary skills for running a business. Students become familiar with the traits and characteristics that are found in successful entrepreneurs, and see how research, planning, operations, and regulations can affect small businesses. Students also learn how to develop plans for effective business management, financing, and marketing strategies.

SPEECH (2495 A/B)
Length: 2 Semesters
Graduation: Fulfills elective credit
A-G: Meets "G" requirement

Beginning with an introduction that builds student understanding of the elements, principles, and characteristics of human communication, this course offers fascinating insight into verbal and nonverbal messages and cultural and gender differences in the areas of listening and responding. High school students enrolled in this course will be guided through engaging lectures and interactive activities, exploring themes of self-awareness and perception in communication. The course concludes with units on informative and persuasive speeches, and students are given the opportunity to critique and analyze speeches.

SPORTS MEDICINE (3420 A/B)
Length: 2 Semesters
Graduation: Fulfills elective credit
A-G: Meets "G" requirement

What do you think of when you hear the phrase "sports medicine professional"? Believe it or not, the term encompasses a much larger range of career options than jobs typically associated with this field. Explore some of the most popular career pathways, day-to-day responsibilities, emergency care for athletes, and legal obligations. Discover what nutrition, healthy lifestyle, and fitness truly mean, and dive into anatomy, human biomechanics, and exercise modalities. Learn how to get started in this exciting field. You've warmed up those muscles and stretched your understanding of basic human biomechanics, but now it's time to power forward your learning even further! In Sports Medicine 1b: Injury Prevention, you'll expand your understanding of the human body to provide a greater context for injury in a variety of scenarios. You'll learn how to evaluate an injury, onsite tests to perform, and when to refer a patient to a medical professional. You'll also explore the anatomy of specific body areas to better understand injuries that may occur as well as ways to prevent injury. Are you ready to keep athletes functioning at peak levels? Grab your sports tape and hit the field of sports medicine!

Work Experience (2802)
Length: 1 Semester (Repeatable)
Graduation: Fulfills elective credit
A-G: No

This semester-long course is for Juniors and Seniors only. This is an elective course that extends Career Technical Education (CTE) learning opportunities for students with a combination of paid employment (minimum of 10 hours per week), mandatory related classroom instruction, and supervised paid employment. Mandatory related classroom instruction is held one day a week that cannot be made up (1 class = 1 week of class instruction). Students must attend 6 of 8 classes and complete assignments to pass this class. You will report to a job located in Tracy (excludes employment as a babysitter, street vendor, housekeeper, self-employment, independent contractor or private residence, newspaper carrier, or door-to-door sales) during the week and attend a class session weekly per semester. The WEE program is a collaborative education that assists you in choosing a career path wisely, obtaining entry- level job skills, and preparing for full-time employment. Skill development in the workplace will include positive work habits, ethical decisions, responsibility, and job-related skills to prepare you for school-to-career transitions.

English

ENGLISH 9 (2411 A/B)
Length: 2 Semesters
Graduation: Fulfills 1st year English requirement
A-G: Meets "B" requirement

This freshman-year English course engages students in literary analysis and inferential evaluation of great texts both classic and contemporary. While critically reading fiction, poetry, drama, and literary nonfiction, students will master comprehension and literary-analysis strategies. Interwoven in the lessons across two semesters are activities that encourage students to strengthen their oral language skills and produce clear, coherent writing. Students will read a range of classic texts including Homer's "The Odyssey," Shakespeare's "Romeo and Juliet," and Richard Connell's "The Most Dangerous Game." They will also study short but complex texts, including influential speeches by Dr. Martin Luther King Jr., Franklin D. Roosevelt, and Ronald Reagan. Contemporary texts by Richard Preston, Julia Alvarez, and Maya Angelou will round out the course.

ENGLISH 9 HONORS (2409 – Yearlong Course)
Length: 2 Semesters
Graduation: Fulfills 1st year English requirement
A-G: Meets "B" requirement

This freshman honors English course invites students to explore a variety of diverse and complex texts organized into thematic units. Students will engage in literary analysis and inferential evaluation of great texts, both classic and contemporary. While critically reading fiction, poetry, drama, and literary nonfiction, honors students will master comprehension, use evidence to conduct in-depth literary analysis, and examine and critique how authors develop ideas in a variety of genres. Interwoven throughout the lessons are activities that encourage students to strengthen their oral language skills, research and critically analyze sources of information, and produce clear, coherent writing. In addition to activities offered to students in core courses, honors students are given additional opportunities to create and to participate in project-based learning activities, including writing a Shakespearian sonnet and creating an original interpretation of a Shakespearian play. Honors students will read a range of classic texts, including Homer's "The Odyssey," Shakespeare's "Romeo and Juliet," Jack London's "To Build a Fire" and Richard Connell's "The Most Dangerous Game." Students will also read Sue Macy's full length nonfiction work "Wheels of Change: How Women Rode the Bicycle to Freedom (With a Few Flat Tires Along the Way)" and will study a variety of short but complex texts, including influential speeches by Dr. Martin Luther King Jr., Franklin D. Roosevelt, and Ronald Reagan. Contemporary texts by Richard Preston, Julia Alvarez, and Maya Angelou will round out the course.

ENGLISH 10 (2412 A/B)
Length: 2 Semesters
Graduation: Fulfills 2nd year English requirement
A-G: Meets "B" requirement

Focused on application, this sophomore English course reinforces literary analysis and twenty-first century skills with superb pieces of literature and literary nonfiction, application e-resources, and educational interactives. Each thematic unit focuses on specific literary analysis skills and allows students to apply them to a range of genres and text structures. As these unit's meld modeling and application, they also expand on training in media literacy, twenty-first century career skills, and the essentials of grammar and vocabulary. Under the guidance of the Writing software, students also compose descriptive, persuasive, expository, literary analysis, research, narrative, and compare-contrast essays.

ENGLISH 10 HONORS (2410 – Yearlong Course)
Length: 2 Semesters
Graduation: Fulfills 2nd year English requirement
A-G: Meets "B" requirement

This sophomore-year honors English course provides engaging and rigorous lessons with a focus on academic inquiry to strengthen knowledge of language arts. Honors reading lessons require analyzing complex texts, while concise mini-lessons advance writing and research skills to craft strong, compelling essays and projects. Students will write argumentative and analytical essays based on literary texts, as well as an informative research paper using MLA style. Throughout the course, students read a range of classic and contemporary literary texts including Henrik Ibsen's "A Doll's House," George Orwell's "Animal Farm," and Marjane Satrapi's "Persepolis." In addition to reading a wide range of literary texts, students read and analyze complex informational and argumentative texts including Sonia Sotomayor's "A Latina Judge's Voice," Niccolò Machiavelli's "The Prince," and the contemporary informational text "Sugar Changed the World: A Story of Magic, Spice, Slavery, Freedom, and Science."

ENGLISH 11 (2413 A/B)
Length: 2 Semesters
Graduation: Fulfills 3rd year English requirement
A-G: Meets "B" requirement

This junior-year English course invites students to delve into American literature from early American Indian voices through contemporary works. Students engage in literary analysis and inferential evaluation of great texts as the centerpieces of this course. While critically reading fiction, poetry, drama, and expository nonfiction, students master comprehension and literary analysis strategies. Interwoven in the lessons across two semesters are tasks that encourage students to strengthen their oral language skills and produce creative, coherent writing. Students read a range of short but complex texts, including works by Ralph Waldo Emerson, Emily Dickinson, Herman Melville, Nathaniel Hawthorne, Paul Laurence Dunbar, Martin Luther King, Jr., F. Scott Fitzgerald, Sandra Cisneros, Amy Tan, and Dave Eggers.

AP ENGLISH LANGUAGE & COMPOSITION (2479 A/B)
Length: 2 Semesters
Graduation: Fulfills 3rd year English requirement
A-G: Meets "B" requirement

In this introductory college-level course designed to prepare students for the Advanced Placement exam, students advance their understanding of rhetoric and writing through the reading, analyzing, and writing of rhetorical texts. Throughout the course, students explore the basic tenets of writing and argumentation, such as rhetorical situation, claims and evidence, reasoning and organization, and style. Students will read and analyze a variety of nonfiction genres, including essays, journalism articles, political writings, science writings, nature writings, autobiographies, biographies, diaries, speeches, history writings, and criticisms from multiple perspectives and backgrounds. The primary focus is on writing evidence-based analytical, synthesis, and argumentative essays and analyzing the rhetorical choices of a wide range of nonfiction writers. In addition to explicit instruction and a variety of independent and collaborative learning opportunities, the course offers specific exam preparation lessons and practice.

ENGLISH 12 (2414 A/B)
Length: 2 Semesters
Graduation: Fulfills 4th year English requirement
A-G: Meets "B" requirement

This senior-level English course offers fascinating insight into British literary traditions spanning from Anglo-Saxon writing to the modern period. With interactive introductions and historical contexts, this full- year course connects philosophical, political, religious, ethical, and social influences of each time period to the works of many notable authors, including Chaucer, William Shakespeare, Queen Elizabeth I, Elizabeth Barrett Browning, and Virginia Woolf. Adding an extra dimension to the British literary experience, this course also exposes students to world literature, including works from India, Europe, China, and Spain.

EXPOSITORY READING AND WRITING (1286/1287)
Length: 2 Semesters
Graduation: Fulfills 4th year English requirement
A-G: Meets "B" requirement

This elective English course is designed to develop critical reading and writing skills while preparing high school students to meet the demands of college-level work. While students will explore some critical reading skills in fiction, poetry, and drama the focus of this course will be on expository and persuasive texts and the analytical reading skills that are necessary for college success. Students will read a range of short but complex texts, including works by Walt Whitman, Abraham Lincoln, Cesar Chavez, Martin Luther King Jr., Langston Hughes, Julia Alvarez, Edna St. Vincent Millay, and Gary Soto.

AP ENGLISH LITERATURE & COMPOSITION (2408 A/B)
Length: 2 Semesters
Graduation: Fulfills 4th year English requirement
A-G: Meets "B" requirement

In this introductory college-level course designed to prepare students for the Advanced Placement exam, students advance their understanding of rhetoric and writing through the reading, analyzing, and writing of rhetorical texts. Throughout the course, students explore the basic tenets of writing and argumentation, such as rhetorical situation, claims and evidence, reasoning and organization, and style. Students will read and analyze a variety of nonfiction genres, including essays, journalism articles, political writings, science writings, nature writings, autobiographies, biographies, diaries, speeches, history writings, and criticisms from multiple perspectives and backgrounds. The primary focus is on writing evidence-based analytical, synthesis, and argumentative essays and analyzing the rhetorical choices of a wide range of nonfiction writers. In addition to explicit instruction and a variety of independent and collaborative learning opportunities, the course offers specific exam preparation lessons and practice.

In this introductory college-level course designed to prepare students for the Advanced Placement exam, students develop the fundamentals of literary analysis and introductory college compositions. The course focuses on analyzing, evaluating, and interpreting literary fiction, poetry, and drama from a range of literary periods, authors, and perspectives. The diverse canon allows students to explore the function of character, setting, structure, narrator, and figurative language. Through a wide range of instruction and collaborative writing activities, students articulate their interpretation of literature through writing. The course includes exam preparation and practice that anticipates common student misconceptions.

ENGLISH LANGUAGE DEVELOPMENT (0207, 0206, 0205 & 0204 A/B)

Length: 2 Semesters per level
Graduation: Fulfills elective credit
A-G: No

This semester-long course focuses on building real-world problem-solving and critical thinking skills as students learn how to innovate and design new products and improve existing products. Students are introduced to the engineering design process to build new products and to the reverse engineering process, which enables engineers to adjust any existing product. Students identify how engineering and design have a direct impact on the sustainability of our environment and the greening of our economy. Finally, students incorporate the engineering design process, environmental life cycle, and green engineering principles to create a decision matrix to learn how to solve environmental issues.



History/Social Science

WORLD HISTORY (2480 A/B)
Length: 2 Semesters
Graduation: Fulfills 10th grade social science requirement
A-G: Meets "B" requirement

This yearlong course examines the major events and turning points of world history from the Enlightenment to the present. Students investigate the foundational ideas that shaped the modern world in the Middle East, Africa, Europe, Asia, and the Americas, and then explore the economic, political, and social revolutions that have transformed human history. This rigorous study of modern history examines recurring themes, such as social history, democratic government, and the relationship between history and the arts, allowing students to draw connections between the past and the present, across cultures, and among multiple perspectives. Students use a variety of primary and secondary sources, including legal documents, essays, historical writings, and political cartoons to evaluate the reliability of historical evidence and to draw conclusions about historical events. Students also sharpen their writing skills in shorter tasks and assignments, and practice outlining and drafting skills by writing full informative and argumentative essays.

AP WORLD HISTORY (2402 A/B)
Length: 2 Semesters
Graduation: Fulfills 10th grade social science requirement
A-G: Meets "B" requirement

This advanced study of world history explores historical themes common to societies around the world and across time periods, from 1200 to the present day. Emphasis is placed on document analysis, historical thinking skills, reasoning processes, and essay writing. Students will demonstrate their understanding and acquisition of skills through written work, document-based questions, project- based activities, and practice exams.

U.S. HISTORY (2482 A/B)
Length: 2 Semesters
Graduation: Fulfills 11th grade social science requirement
A-G: Meets "B" requirement

This one-year high school course presents a cohesive and comprehensive overview of the history of the United States, surveying the major events and turning points of U.S. history as it moves from the Era of Exploration through modern times. As students examine each era of history, they will analyze primary sources and carefully research events to gain a clearer understanding of the factors that have shaped U.S. history. In early units, students will assess the foundations of U.S. democracy while examining crucial documents. In later units, students will examine the effects of territorial expansion, the Civil War, and the rise of industrialization. They will also assess the outcomes of economic trends and the connections between culture and government. As the course draws to a close, students will focus their studies on the causes of cultural and political change in the modern age. Throughout the course, students will learn the importance of cultural diversity while examining history from different perspectives.

AP UNITED STATES HISTORY (2483 A/B)
Length: 2 Semesters
Graduation: Fulfills 11th grade social science requirement
A-G: Meets "B" requirement

This course surveys the history of the United States from the settlement of the New World to modern times and prepares students for the AP United States History Exam. The course emphasizes themes such as national identity, economic transformation, immigration, politics, international relations, geography, and social and cultural change. Students learn to assess historical materials, weigh the evidence and interpretations presented in historical scholarship, and analyze and express historical understanding in writing.

AMERICAN DEMOCRACY (2484)
Length: 1 Semester
Graduation: Fulfills 12th grade social science requirement
A-G: Meets "B" requirement

This semester-long course provides students with a practical understanding of the principles and procedures of government. The course begins by establishing the origins and founding principles of American government. After a rigorous review of the Constitution and its amendments, students investigate the development and extension of civil rights and liberties. Lessons also introduce influential Supreme Court decisions to demonstrate the impact and importance of constitutional rights. The course builds on this foundation by guiding students through the function of government today and the role of citizens in the civic process and culminates in an examination of public policy and the roles of citizens and organizations in promoting policy changes. Throughout the course, students examine primary and secondary sources, including political cartoons, essays, and judicial opinions. Students also sharpen their writing skills in shorter tasks and assignments and practice outlining and drafting skills by writing full informative and argumentative essays.

AP UNITED STATES GOVERNMENT AND POLITICS (2489)
Length: 1 Semester
Graduation: Fulfills 12th grade social science requirement
A-G: Meets "B" requirement

This one-semester college-level course is designed to prepare students for the AP United States Government and Politics exam. Students will study the Constitutional underpinnings and structure of the United States government, issues of politics and political parties, and topics in civil rights and public policy, demonstrating their understanding and acquisition of skills through written work, project- based activities, and practice exams.

ECONOMICS (2486)
Length: 1 Semester
Graduation: Fulfills 12th grade social science requirement
A-G: Meets "G" requirement

Available as either a semester or a full year, this course invites students to broaden their understanding of how economic concepts apply to their everyday lives——including microeconomic and macroeconomic theory and the characteristics of mixed-market economies, the role of government in a free-enterprise system and the global economy, and personal finance strategies. Throughout the course, students apply critical-thinking skills while making practical economic choices. Students also master literacy skills through rigorous reading and writing activities. Students analyze data displays and write routinely and responsively in tasks and assignments that are based on scenarios, texts, activities, and examples. In more extensive, process-based writing lessons, students write full-length essays in informative and argumentative formats.

ECONOMICS HONORS (2401)
Length: 1 Semester
Graduation: Fulfills 12th grade social science requirement
A-G: Meets "G" requirement

From creating graphs to reach equilibrium to learning to manage a bank account, students will take part in a more rigorous semester long study of the principles and processes of economics in the American system. Students begin with an introduction of basic economic concepts then move on to an in-depth study of microeconomic principles. Students showcase their understanding of supply, demand, and economic choices by completing a case study on starting a business. Students then turn to macroeconomic concepts, government policies, and entrepreneurship. With this foundation, students create a proposal for public policies and programs in a small developing nation. Students continue their study of Economics by examining global economic concepts such as trade barriers and agreements. This Honors course concludes with a unit on personal finance. Students will learn more about topics such as taxation, financial institutions, credit, and money management. Students extend their knowledge of personal financial planning by creating a successful budget. Throughout the course, economic theory is introduced, demonstrated, and reinforced through real-life scenarios and examples. In assignments and project-based lessons, students learn to apply critical thinking skills while making practical economic choices.

AP PSYCHOLOGY (2403A/B)
Length: 2 Semesters
Graduation: Fulfills elective credit
A-G: Meets "G" requirement

Psychology will introduce students to the systematic study of the behavior and mental processes of human means and animals. Students are exposed to the psychological facts, principles, and phenomena associated with the major fields within psychology. Students also learn about the methods psychologists use in their science and practice. The major aim of this course is to provide each student with a learning experience equivalent to that obtained in most introductory college psychology courses. In addition, this course has been designed to help students successfully achieve a passing score on the AP Psychology exam.

PSYCHOLOGY (2491 A/B)
Length: 2 Semesters
Graduation: Fulfills elective credit
A-G: Meets "G" requirement

In this course, you'll explore the broad scope of psychology from biology's impact on our psychological makeup to society's impact on who we become. You'll look closely at the changing and sometimes conflicting thoughts of researchers and scientists and how the field of psychology has changed. You'll also explore clinical psychology and how people find treatment. Why do you sometimes remember complex things but forget all of a sudden where you left your shoes? Why is your personality similar or different from your siblings? Why do some things motivate you more than others? Discover how you learn and remember the impact of stress on your emotions and mental health, and what influences your personality and emotions.

WORLD GEOGRAPHY (2485 A/B)
Length: 2 Semesters
Graduation: Fulfills elective credits
A-G: Meets "G" requirement

Designed to introduce students to the study of geography, this course helps students master important concepts in physical and human geography. Students analyze population and settlement patterns and evaluate the ways that human activities modify the physical environment. While studying humans around the hemisphere students compare development, standards of living, systems of government, and economic factors. In addition, students gain a rich understanding of global cultures and the historical factors that have shaped the world around them. All units in the course are parallel and include studies in physical and human geography, ancient cultures, regional studies, and modern issues.

ETHNIC STUDIES (1365)
Length: 1 Semester
Graduation: Fulfills elective credits
A-G: Meets "G" requirement

This course introduces students to the study of societies and cultures, with an emphasis on understanding how historical, social, political, and economic factors shape human experiences. By examining the histories of race, ethnicity, nationality, and culture, students will gain insight into how these concepts influence individuals and communities in the United States and around the world. The course encourages students to develop respect for diverse perspectives and to recognize the ways in which cultural traditions and historical experiences contribute to our shared society.

Mathematics

PRE-ALGEBRA (2470 A/B)
Length: 2 Semesters
Graduation: Fulfills Math credit
A-G: No

This full-year course is designed for high school students who have completed a middle school mathematics sequence but are not yet algebra-ready. This course reviews key algebra readiness skills from the middle grades and introduces basic Algebra I work with appropriate support. Students revisit concepts in numbers and operations, expressions and equations, ratios and proportions, and basic functions. By the end of the course, students are ready to begin a more formal high school Algebra I study.

ALGEBRA I (2472 A/B)
Length: 2 Semesters
Graduation: Fulfills Algebra requirement
A-G: Meets "C" requirement

This full-year course focuses on five critical areas: relationships between quantities and reasoning with equations, linear and exponential relationships, descriptive statistics, expressions and equations, and quadratic functions and modeling. This course builds on the foundation set in middle grades by deepening students' understanding of linear and exponential functions and developing fluency in writing and solving one-variable equations and inequalities. Students will interpret, analyze, compare, and contrast functions that are represented numerically, tabularly, graphically, and algebraically. Quantitative reasoning is a common thread throughout the course as students use algebra to represent quantities and the relationships among those quantities in a variety of ways. Standards of mathematical practice and process are embedded throughout the course, as students make sense of problem situations, solve novel problems, reason abstractly, and think critically.

FINANCIAL MATH (4621 A/B)
Length: 2 Semesters
Graduation: Fulfills Math credit
A-G: Meets "G" requirement

This full-year course for high school students extends prior math concepts to financial and business contexts. Students will solve real-world problems, analyze data, and develop financial literacy and business modeling skills. They will learn about budgets, income, taxes, insurance, and investments, as well as how these may affect personal and business decisions. Students will also work with scenarios dealing with credit, retirement planning, and home and automobile ownership or leasing. Students will model and analyze scenarios related to these real-world financial concepts using ratios, proportions, and functions. They will make decisions related to these financial scenarios and use mathematics to justify their decisions. Students will apply mathematical practices and use technology as they complete tasks that require them to think critically, solve problems, and communicate their reasoning.

GEOMETRY (2474 A/B)
Length: 2 Semesters
Graduation: Fulfills Math credit
A-G: Meets "C" requirement

This course formalizes what students learned about geometry in the middle grades with a focus on reasoning and making mathematical arguments. Mathematical reasoning is introduced with a study of triangle congruency, including exposure to formal proofs and geometric constructions. Then students extend what they have learned to other essential triangle concepts, including similarity, right-triangle trigonometry, and the laws of sines and cosines. Moving on to other shapes, students justify and derive various formulas for circumference, area, and volume, as well as cross-sections of solids and rotations of two-dimensional objects. Students then make important connections between geometry and algebra, including special triangles, slopes of parallel and perpendicular lines, and parabolas in the coordinate plane, before delving into an in-depth investigation of the geometry of circles. The course closes with a study of set theory and probability, as students apply theoretical and experimental probability to make decisions informed by data analysis.

ALGEBRA II (2476 A/B)
Length: 2 Semesters
Graduation: Fulfills Algebra requirement
A-G: Meets "C" requirement

This course focuses on functions, polynomials, periodic phenomena, and collecting and analyzing data. The course begins with a review of linear and quadratic functions to solidify a foundation for learning these new functions. Students make connections between verbal, numeric, algebraic, and graphical representations of functions and apply this knowledge as they create equations and inequalities that can be used to model and solve mathematical and real-world problems. As students refine and expand their algebraic skills, they will draw analogies among the operations and field properties of real numbers and those of complex numbers and algebraic expressions. Mathematical practices and habits of mind are embedded throughout the course, as students solve novel problems, reason abstractly, and think critically.

PRE-CALCULUS (2478 A/B)
Length: 2 Semesters
Graduation: Fulfills Math credit
A-G: Meets "C" requirement

With an emphasis on function families and their representations, Precalculus is a thoughtful introduction to advanced studies leading to calculus. The course briefly reviews linear equations, inequalities, and systems and moves purposefully into the study of functions. Students then discover the nature of graphs and deepen their understanding of polynomial, rational, exponential, and logarithmic functions. Scaffolding rigorous content with clear instruction, the course leads students through an advanced study of trigonometric functions, matrices, and vectors. The course concludes with a short study of probability and statistics.

PRE-CALCULUS HONORS (2534 – Yearlong Course)
Length: 2 Semesters
Graduation: Fulfills Math credit
A-G: Meets "C" requirement

The honors course will have an emphasis on function families and their representations, Precalculus Honors is a thoughtful introduction to advanced studies leading to calculus. The course reviews linear equations, inequalities, and systems and moves purposefully into the study of functions. Students then discover the nature of graphs and deepen their understanding of polynomial, rational, exponential, and logarithmic functions. Scaffolding rigorous content with clear instruction, the course leads students through an advanced study of trigonometric functions, matrices, and vectors.

AP CALCULUS AB (2471 A/B)
Length: 2 Semesters
Graduation: Fulfills Math credit
A-G: Meets "C" requirement

This college-level, yearlong course prepares students for the Advanced Placement (AP) Calculus AB Exam. Major topics of study in this full-year course include a review of pre-calculus, limits, derivatives, definite integrals, mathematical modeling of differential equations, and the applications of these concepts. Emphasis is placed on the use of technology to solve problems and draw conclusions. The course utilizes a multi-representative approach to calculus with concepts and problems expressed numerically, graphically, verbally, and analytically.

STATISTICS (2538 A/B)
Length: 2 Semesters
Graduation: Fulfills Math credit
A-G: Meets "C" requirement

This fourth-year high school math option provides a comprehensive introduction to data analysis and statistics. Students begin by reviewing familiar data displays through a more sophisticated lens before diving into an in-depth study of the normal curve. They then study and apply simple linear regression and explore sampling and experimentation. Next, students review probability concepts and begin a study of random variables. Later topics also include sampling distributions, estimating, and testing claims about proportions and means, and inferences and confidence intervals.

AP STATISTICS (2473 A/B)
Length: 2 Semesters
Graduation: Fulfills Math credit
A-G: Meets "C" requirement

This yearlong, college-level course is designed to prepare students for the Advanced Placement (AP) Statistics exam. Major topics of study include exploring one-and two-variable data, sampling, experimentation, probability, sampling distributions, and statistical inference. These topics are organized into three big ideas: variation and distribution, patterns and uncertainty, data-based predictions, decisions, and conclusions.

Physical Education

PE CORE (9002/9003)
Length: 2 Semesters
Graduation: Fulfills Physical Education credit
A-G: No

In this course, students will explore concepts involving personal fitness, team sports, dual sports, and individual and lifetime sports. Students will focus on health-related fitness as they set goals and develop a program to improve their fitness level through cardio, strength, and flexibility training. In addition, they will learn about biomechanics and movement concepts as they enhance their level of skill-related fitness. Students will learn about game play concepts and specifically investigate the rules, guidelines, and skills pertaining to soccer, softball, volleyball, tennis, walking and running, dance, and yoga. Students take a pre- and post-fitness assessment. Throughout this course, students also participate in a weekly fitness program involving elements of cardio, strength, and flexibility, as well as participating in a variety of dual, individual, and group sport activities.

PE ADVANCED (9104/9105)
Length: 2 Semesters
Graduation: Fulfills Physical Education credit
A-G: No

This two-semester course guides students through an in- depth examination of the effects of exercise on the body. Students learn how to exercise efficiently and properly. Basic anatomy, biomechanics, and physiology will serve as a foundation for students to build effective exercise programs. The study of nutrition and human behavior is also an integral part of the course. Students conduct fitness assessments and participate in weekly physical activity.

FOUNDATIONS OF PERSONAL WELLNESS (2497 A/B)
Length: 2 Semesters
Graduation: Fulfills Physical Education credit
A-G: No

Exploring a combination of health and fitness concepts, this comprehensive and cohesive course explores all aspects of wellness. Offered as a two-semester course designed for high school students, coursework uses pedagogical planning to ensure that students explore fitness and physical health and encourages students to learn about the nature of social interactions and how to plan a healthy lifestyle.

LIFETIME FITNESS (2498 A/B)
Length: 2 Semesters
Graduation: Fulfills Physical Education credit
A-G: No

Exploring fitness topics such as safe exercise and injury prevention, nutrition and weight management, consumer product evaluation, and stress management, this course equips high school students with the skills they need to achieve lifetime fitness. Available as either a semester or year-long course, Lifetime Fitness encourages students to assess individual fitness levels according to the five components of physical fitness: cardiovascular health, muscular strength, muscular endurance, flexibility, and body composition. Personal fitness assessments encourage students to design a fitness program to meet their individual fitness goals.

Science

ANATOMY & PHYSIOLOGY (3100 A/B)
Length: 2 Semesters
Graduation: Fulfills Biology/Life Science credit
A-G: Meets "D" requirement

Whether you plan on pursuing a career in health sciences or simply looking to gain an understanding of how the human body works, you'll first need to understand the relationship between anatomy and physiology. Learn how to read your body's story through understanding cell structure and their processes, and discover the functions and purposes of the skeletal, muscular, nervous, and cardiovascular systems, as well as diseases that affect those systems. Examine the form and function of even more body systems. Learn about the structure, function, and interrelation between the lymphatic, immune, respiratory, digestive, urinary, and endocrine systems. The reproductive system is also discussed along with hereditary traits and genetics.

BIOLOGY (2450 A/B)
Length: 2 Semesters
Graduation: Fulfills Biology/Life Science credit
A-G: Meets "D" requirement

This compelling two-semester course engages students in the study of life and living organisms and examines biology and biochemistry in the real world. This is a yearlong course that encompasses traditional concepts in biology and encourages exploration of new discoveries in this field of science. The components include biochemistry, cell biology, cell processes, heredity and reproduction, the evolution of life, taxonomy, human body systems, and ecology. This course includes both hands-on wet labs and virtual lab options.

BIOLOGY HONORS (2458 – Yearlong Course)
Length: 2 Semesters
Graduation: Fulfills Biology/Life Science credit
A-G: Meets "D" requirement

This compelling full-year course engages students in a rigorous honors-level curriculum that emphasizes the study of life and its real-world applications. This course examines biological concepts in more depth than general biology and provides a solid foundation for collegiate-level coursework. Course components include biochemistry, cellular structures and functions, genetics and heredity, bioengineering, evolution, structures and functions of the human body, and ecology. Throughout the course, students participate in a variety of interactive and hands-on laboratory activities that enhance concept knowledge and develop scientific process skills, including scientific research and technical writing.

AP BIOLOGY (2459 A/B)
Length: 2 Semesters
Graduation: Fulfills Biology/Life Science credit
A-G: Meets "D" requirement

This yearlong, college-level course is designed to prepare students for the Advanced Placement (AP) Biology exam. Units of study include Biochemistry, Cells, Enzymes and Metabolism Cell Communication and cell Cycle, Gene Expression, Evolution and Genetic Diversity Ecology. This course includes student guides and materials lists for required hands -on labs: these materials are not included in this course.

CHEMISTRY (2452 A/B)
Length: 2 Semesters
Graduation: Fulfills Chemistry/Physical Science credit
A-G: Meets "D" requirement

This rigorous, full-year course engages students in the study of the composition, properties, changes, and interactions of matter. The course covers the basic concepts of chemistry and includes eighteen virtual laboratory experiments that encourage higher order thinking applications, with wet lab options if preferred. The components of this course include chemistry and its methods, the composition and properties of matter, changes and interactions of matter, factors affecting the interactions of matter, electrochemistry, organic chemistry, biochemistry, nuclear chemistry, mathematical applications, and applications of chemistry in the real world.

CHEMISTRY HONORS (2453 – Yearlong Course)
Length: 2 Semesters
Graduation: Fulfills Chemistry/Physical Science credit
A-G: Meets "D" requirement

This rigorous full-year course provides students with an engaging honors-level curriculum that emphasizes mathematical problem solving and practical applications of chemistry. Topics are examined in greater detail than general chemistry in order to prepare students for college-level coursework. Course components include atomic theory and structure, chemical bonding, states and changes of matter, chemical and redox reactions, stoichiometry, the gas laws, solutions, acids and bases, and nuclear and organic chemistry. Throughout the course, students participate in a variety of interactive and hands-on laboratory activities that enhance concept knowledge and develop scientific process skills, including scientific research and technical writing.

PHYSICS (2454 A/B)
Length: 2 Semesters
Graduation: Fulfills Physics/Physical Science credit
A-G: Meets "D" requirement

This full-year course acquaints students with topics in classical and modern physics. The course emphasizes conceptual understanding of basic physics principles, including Newtonian mechanics, energy, thermodynamics, waves, electricity, magnetism, and nuclear and modern physics. Throughout the course, students solve mathematical problems, reason abstractly, and learn to think critically about the physical world. The course also includes interactive virtual labs and hands-on lab options, in which students ask questions and create hypotheses.

PHYSICS HONORS (2455 – Yearlong Course)
Length: 2 Semesters
Graduation: Fulfills Physics/Physical Science credit
A-G: Meets "D" requirement

This rigorous full-year course provides students with an engaging honors-level curriculum that emphasizes abstract reasoning and applications of physics concepts to real- world scenarios. Topics are examined in greater detail than general physics and provide a solid foundation for collegiate-level coursework. Course components include one- and two-dimensional motion, momentum, energy and thermodynamics, harmonic motion, waves, electricity, magnetism, and nuclear and modern physics. Throughout the course, students participate in a variety of interactive and hands-on laboratory activities that enhance concept knowledge and develop scientific process skills, including scientific research and technical writing.

EARTH & SPACE SCIENCE (2457 A/B)
Length: 2 Semesters
Graduation: Fulfills Science credit
A-G: Meets "D" requirement

Students enrolled in this dynamic course explore the scope of Earth sciences, covering everything from basic structure and rock formation to the incredible and volatile forces that have shaped and changed our planet. As climate change and energy conservation become increasingly prevalent in the national discourse, it will be important for students to understand the concepts and causes of our changing Earth. Earth Science is a two-semester course that provides a solid foundation for understanding the physical characteristics that make the planet Earth unique and examines how these characteristics differ among the planets of our solar system.

AP ENVIRONMENTAL SCIENCE (2469 A/B)
Length: 2 Semesters
Graduation: Fulfills Science credit
A-G: Meets "D" requirement

Environmental Science is a laboratory- and field-based course designed to provide students with the content and skills needed to understand the various interrelationships in the natural world, to identify and analyze environmental problems, and to propose and examine solutions to these problems. Since this is an online course, the laboratory- and field-based activities will be completed virtually and via experiments that students can easily perform at home with common materials.

World Language

AMERICAN SIGN LANGUAGE 1 (1546 A/B)
Length: 2 Semesters
Graduation: Fulfills Fine Arts/World Language requirement
A-G: Meets "E" requirement

Did you know that American Sign Language (ASL) is the third most commonly used language in North America? Learn introductory vocabulary and simple sentences so that you can start communicating right away. Importantly, explore Deaf culture – social beliefs, traditions, history, values, and communities influenced by deafness.

AMERICAN SIGN LANGUAGE 2 (1547 A/B)
Length: 2 Semesters
Graduation: Fulfills Fine Arts/World Language requirement
A-G: Meets "E" requirement

It's time to move beyond introductory ASL signs and start forming more compelling signs for communication. Explore how expressions can enhance signs and lend dimension to conversations, while learning vocabulary for descriptions, directions, shopping, making purchases, and dealing with emergencies.

FRENCH 1 (2422 A/B)
Length: 2 Semesters
Graduation: Fulfills Fine Arts/World Language requirement
A-G: Meets "E" requirement

Students in high school begin their introduction to French with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading, and listening comprehension activities, speaking, and writing activities, and multimedia cultural presentations covering major French-speaking areas in Europe and across the globe.

FRENCH 2 (2431 A/B)
Length: 2 Semesters
Graduation: Fulfills Fine Arts/World Language requirement
A-G: Meets "E" requirement

Students continue their introduction to French in this second-year, high school language course with review of fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading, and listening comprehension activities, speaking, and writing activities, cultural presentations covering major French-speaking areas |across the globe, and assessments.

FRENCH 3 (2406 A/B)
Length: 2 Semesters
Graduation: Fulfills Fine Arts/World Language requirement
A-G: Meets "E" requirement

In this expanding engagement with French, high school students deepen their focus on four key skills in foreign language acquisition: listening comprehension, speaking, reading, and writing. In addition, students read significant works of literature in French and respond orally or in writing to these works. Continuing the pattern and building on what students encountered in the first two years, each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading, and listening comprehension activities, speaking, and writing activities, and multimedia cultural presentations covering major French- speaking areas in Europe and the Americas.

AP FRENCH LANGUAGE & CULTURE (2407 A/B)
Length: 2 Semesters
Graduation: Fulfills Fine Arts/World Language requirement
A-G: Meets "E" requirement

French Language and Culture is an advanced language course in which students acquire proficiencies that expand their cognitive, analytical, and communicative skills. The course prepares students for the AP French Language and Culture Exam. It uses as its foundation the three modes of communication (interpersonal, interpretive, and presentational) as defined in the Standards for Foreign Language Learning in the Twenty-First Century. The course is designed as an immersion experience requiring the use of French exclusively. The online learning coach only uses French to communicate with students. In addition, all the reading, listening, speaking, and writing is in French. The course teaches language structures in context and focuses on the development of fluency to convey meaning. Students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices, and perspectives. The course contains a forum where students share their opinions and comments about various topics and comment on other students' posts. The course makes great use of the Internet for updated and current material.

GERMAN 1 (2475 A/B)
Length: 2 Semesters
Graduation: Fulfills Fine Arts/World Language requirement
A-G: Meets "E" requirement

High school students begin their introduction to German with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading, and listening comprehension activities, speaking, and writing activities, and cultural presentations covering major German-speaking areas in Europe.

GERMAN 2 (2477 A/B)
Length: 2 Semesters
Graduation: Fulfills Fine Arts/World Language requirement
A-G: Meets "E" requirement

Students continue their introduction to high school German in this second-year course with review of fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading, and listening comprehension activities, speaking, and writing activities, and cultural presentations covering major German-speaking areas in Europe.

SPANISH 1 (2493 A/B)
Length: 2 Semesters
Graduation: Fulfills Fine Arts/World Language requirement
A-G: Meets "E" requirement

Students begin their introduction to high school Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading, and listening comprehension activities, speaking, and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas.

SPANISH 2 (2494 A/B)
Length: 2 Semesters
Graduation: Fulfills Fine Arts/World Language requirement
A-G: Meets "E" requirement

High school students continue their introduction to Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading, and listening comprehension activities, speaking, and writing activities, cultural presentations covering major Spanish-speaking areas in Europe and the Americas, and assessments.

SPANISH 3 (2404 A/B)
Length: 2 Semesters
Graduation: Fulfills Fine Arts/World Language requirement
A-G: Meets "E" requirement

In this expanding engagement with Spanish, high school students deepen their focus on four key skills in foreign language acquisition: listening comprehension, speaking, reading, and writing. In addition, students read significant works of literature in Spanish and respond orally or in writing to these works. Continuing the pattern and building on what students encountered in the first two years, each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading, and listening comprehension activities, speaking, and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas.

AP SPANISH LANGUAGE & CULTURE (2405 A/B)
Length: 2 Semesters
Graduation: Fulfills Fine Arts/World Language requirement
A-G: Meets "E" requirement

Spanish Language and Culture is an advanced language course in which students acquire proficiencies that expand their cognitive, analytical, and communication skills. The course prepares students for the AP Spanish Language and Culture Exam. It uses as its foundation the three modes of communication (interpersonal, interpretive, and presentational) as defined in the Standards for
Foreign Language Learning in the Twenty-First Century. The course is designed as an immersion experience and is conducted almost exclusively in Spanish. In addition, all student work, practices, projects, participation, and assessments are in Spanish. The course teaches language structures in context and focuses on the development of fluency to convey meaning. Students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices, and perspectives. In addition, students participate in a forum where they are able to share their opinions and comments about various topics and comment on other students' posts. The course also makes great use of the Internet for updated and current material.

Outside World Language Programs/Schools

State Law and TUSD Board Policy allows the school and district to grant high school credit for world language courses taken in private language programs and schools outside the school. Listed below are the programs that have current approval for students to receive outside world language credit. Please note that these programs are not endorsed by the school or district, and that students who participate in outside world language courses are responsible for any costs related to taking these courses. Upon completion of these courses, students must submit a form and a transcript from the organization to request for the course to be added to their TUSD transcript.

Year Long Courses Titles:

Tamil 1	**Course Code 4000**
Tamil 2	**Course Code 4001**
Tamil 3	**Course Code 4002**
Tamil 4	**Course Code 4003**

Additional Program Information:

Tracy Tamil Thulir: https://catamilacademy.org/TracyTamilThulir.html: is part of the International Tamil Academy (formerly the California Tamil Academy).

Aram Tamil School: https://catamilacademy.org/AramTamilSchool.html: is part of the International Tamil Academy (formerly the California Tamil Academy) - Mountain House.

Viludhugal Tamil School: www.viludhugal.org: is part of the American Tamil Academy.

Visual & Performing Arts

ART HISTORY (6024 A/B)
Length: 2 Semesters
Graduation: Fulfills fine art requirement
A-G: Meets "F" requirement

This year-long course explores the evolution of artistic expression from prehistoric cave paintings to modern art movements. Students examine how art reflects the cultural, political, religious, and social contexts of civilizations across time and geography. Major topics include classical antiquity, medieval and Renaissance developments, global contributions from Africa to the Pacific, and artistic revolutions of the 18th to 20th centuries. Through analysis of key works, artists, and movements, students learn to interpret symbolism, style, and technique.

DIGITAL ART (6052 A/B)
Length: 2 Semesters
Graduation: Fulfills fine arts requirement
A-G: Meets "F" requirement

The world is filled with so many different forms of art – including digital art. In this course, you'll explore this special genre of art found in everything from advertising to animation to photography and beyond. Additionally, you'll tap into your creative side to create digital art and make it come alive!

DIGITAL MEDIA (2517)
Length: 1 Semester
Graduation: Fulfills fine art requirement
A-G: Meets "F" requirement

Fundamentals of Digital Media is a semester long course that presents high school students an overview of the different types of digital media and how they are used in the world today. This course examines the impact that digital media has on culture and lifestyle. The course reviews the basic concepts for creating effective digital media and introduces several different career paths related to digital media. Students learn about the tools used as well as best practices employed for creating digital media. In the course, students explore topics such as the use of social media, digital media in advertising, digital media on the World Wide Web, digital media in business, gaming and simulations, e-commerce, and digital music and movies. Students also review the ethics and laws that impact digital media use or creation.

INTRO TO ART (2516 A/B)
Length: 2 Semesters
Graduation: Fulfills fine arts requirement
A-G: Meets "F" requirement

Covering art appreciation and the beginning of art history, this course encourages students to gain an understanding and appreciation of art in their everyday lives. Presented in an engaging format, Intro to Art provides an overview of many introductory themes: the definition of art, the cultural purpose of art, visual elements of art, terminology, and principles of design, and two- and three-dimensional media and techniques. Tracing the history of art, high school students enrolled in the course also explore the following time periods and places: prehistoric art, art in ancient civilizations, and world art before 1400.

PHOTOGRAPHY (6048 A/B)
Length: 2 Semesters
Graduation: Fulfills elective credit
A-G: Meets "F" requirement

This course focuses on the basics of photography, including building an understanding of aperture, shutter speed, lighting, and composition. Students will be introduced to the history of photography and basic camera functions. Students will use the basic techniques of composition and camera functions to build a portfolio of images, capturing people, landscapes, close-up, and action photographs. In today's world, photographs are all around us, including in advertisements, on websites, and hung on our walls as art. Many of the images that we see have been created by professional photographers. In this course, we will examine various aspects of professional photography, including the ethics of the profession, and examine some of the areas that professional photographers may choose to specialize in, such as wedding photography and product photography. We will also learn more about some of the most respected professional photographers in history and we will learn how to critique photographs in order to better understand what creates an eye-catching photograph.

VISUAL ARTS (2490 A/B)
Length: 2 Semesters
Graduation: Fulfills fine arts requirement
A-G: Meets "F" requirement

This course introduces students to the Design Thinking Process using artistic tools to create original works of art. Students review basic elements and principles of design. These design principles are used to create drawings, paintings, collages, narrative art, and simple sculpture. Students learn to observe and write about art in the world around them through the use of basic design concepts.