OXBRIDGE ACADEMY

UPPER SCHOOL COURSE CATALOG

2026-2027





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PREFACE

The curriculum at Oxbridge Academy is comprised of a core group of subjects intended to promote lifelong learning. Complete with a wide array of elective courses designed for students to explore and experience subjects and topics they may not have previously considered, students are encouraged to select classes that are academically stimulating and personally enriching.

- All courses at Oxbridge are taught at the college preparatory level, and we offer classes at the regular, honors, and honors seminar levels. Because we do not track students, a student can move to a more rigorous course if they demonstrate readiness to succeed at a higher level. Regular level classes expose students to challenging content but include more direct instruction and guided practice of foundational skills. Honors level classes are for students who have mastered the foundations of a subject and are ready to explore content and concepts with more depth. Honors Seminar classes are offered primarily at the 11th and 12th-grade level and allow students to take a college-level seminar while they are in high school. These courses require significant preparation and extend students' understanding of a specific subject of interest.
- Graduation requirements ensure that Oxbridge Academy graduates successfully complete a course of study in a broad range of disciplines and skills, ensuring a strong foundation for future learning. Please keep in mind that graduation requirements reflect minimum requirements and do not necessarily equate to college admission requirements. Since most successful college applicants exceed minimum graduation requirements, we recommend that candidates take the most rigorous academic program available to them that they can handle without undue stress.
- Typically, a **Study Hall** is required for all ninth graders to assist with the transition to an increased workload. However, 10th, 11th & 12th grade students with proven academic success are not required to enroll in study hall and may take an additional core or elective course.



GRADUATION REQUIREMENTS

*All students must earn a **minimum of 24 credits** to graduate. Many students exceed this requirement.*

ENGLISH
4 Credits

All students must complete four credits of English.

MATH
4 Credits

All students must show completion of **Algebra 1, Geometry,** and **Algebra 2** prior to graduation.

SCIENCE
3 Credits

All students are required to earn one credit in **Physics, Chemistry,** and **Biology.**

SOCIAL SCIENCE
3 Credits

All students are required to earn one credit in **World History, United States History,** and **United States Government** and **Economics.**

WORLD LANGUAGES
3 Credits

Students must complete at least two consecutive years of a language. A third year is typical, though a different language may be used to meet the requirement.

FINE ARTS
2 Credits

Ninth graders are encouraged to take a one semester introductory course in both Visual and Performing Arts.

HEALTH & WELLNESS
1 Credit

All students must complete **Lifetime Health & Fitness**.

ELECTIVES
4 Credits

Students may take core subject courses or any other course of interest to meet this requirement.

Things to Know

- Students earn one (1) credit for a year-long course and a half (0.5) credit for a semester course. Course credits are awarded only at the end of the course. Oxbridge Academy does not offer quarter-long courses.
- Students must enroll in seven courses per semester unless they have prior permission for a reduced schedule from the Academic Dean.
- Students should meet with their advisor and college counselor annually to develop a four year plan that will help them achieve their academic goals.
- Requested exceptions to graduation requirements will be considered on an individual basis by the Assistant Head of School.
- Oxbridge Academy reserves the right to evaluate each student's transcript at the time of entrance to determine which transfer credits can be used to meet Oxbridge Academy's graduation requirements.
- Online Learning courses may not be taken for Oxbridge credit in lieu of Oxbridge Academy courses unless there is an irresolvable scheduling conflict and written approval from the Assistant Head of School.



ENGLISH | *4 Credits*



Alejandra Povedano
Department Chair

"The English Department at Oxbridge Academy is committed to providing students with a rigorous and challenging academic program that prepares them for college and beyond. We develop students' critical thinking, writing, and communication skills through literature study.

We also foster a love of reading and literature and promote community and belonging among students. The study of literature is essential for success in any field. By providing students with the skills and knowledge they need to succeed in college and beyond, we are helping them to develop the critical thinking, writing, and communication skills that will allow them to thrive in the future. Through literature, students learn about different cultures and perspectives and develop a deeper understanding of themselves and the world around them."

ENGLISH 1

Year • No Pre-Requisites

English 1 is a survey course of classic and modern literature. Students will read works of fiction, nonfiction, poetry, personal narrative, and drama. Through rigorous writing and discussion, students learn to think critically about the important themes in these works. Teachers emphasize a variety of writing techniques, strategies, and genres. In addition, students learn intermediate grammar and vocabulary.

HONORS ENGLISH 1

Year • Dept. Approval Required

This course surveys classic and modern literature where students read works of fiction, nonfiction, poetry, personal narrative, and drama that focus on the journey of self discovery and the odyssey of the human experience. This course introduces the art of Socratic discussion as it relates to literature; developing their skills as collaborative thinkers and confident speakers. Students will study and practice the mechanics of good writing: grammar, punctuation, and vocabulary building as they are encouraged to develop their own voice and style. They will compose analytical, persuasive, reflective, and descriptive writing.

ENGLISH 2

Year • English 1 Required

English 2 students explore literary genres in American Literature to promote critical thinking and develop discussion and collaboration skills. Students will demonstrate command of the elements of effective composition and writing and will also read works of fiction, nonfiction, poetry, personal narrative, and drama that focus on the role of the individual in the community and the tensions that frequently emerge in that dynamic.

HONORS ENGLISH 2

Year • English 1 & Dept. Approval Required

This course is intended for students who have shown exceptional promise in writing and literary analysis. Course readings will be drawn from a diverse body of American literature and will ask students to consider the role of the individual in the community and the tensions that frequently emerge in that dynamic. Writing instruction will guide students as they craft strong analytical arguments in response to texts and teach students how to effectively incorporate textual evidence and critical source materials into their essays.

HONORS SEMINAR ENGLISH 2

Year • Honors English 1 & Department Approval Required

Honors Seminar English 2 is an advanced seminar-style course in American Literature that will be taught in conjunction with Honors Seminar U.S. History. The course is a chronological study of American Literature, from colonial writing to the post-Civil Rights era. Major movements in American Literature will be covered: Romanticism, Transcendentalism, Realism, Harlem Renaissance, and Modernism.

ENGLISH 3

Year • English 2 Required

Students will read works of fiction, nonfiction, poetry, personal narrative, and drama that focus on the efforts of individuals to develop empathy and make a difference in their social cultural contexts. As students explore the actions of protagonists who experience the impact of the world around them, they will examine questions about success and disappointment in working for change. In some cases, individuals triumph in overcoming the obstacles to personal and social progress; in other situations, human beings must confront apparently insurmountable barriers to happiness and fulfillment. The majority of the texts studied in this class are from the 20th and 21st century.

HONORS ENGLISH 3

Year • English 2 & Department Approval Required

Students will read works of fiction, nonfiction, poetry, personal narrative, and drama that focus on the human condition, specifically the efforts of individuals to make a difference in their social and cultural contexts. As students explore the actions of protagonists who experience the impact of the world, they will examine questions about success and disappointment in working for change. In some cases, individuals triumph in overcoming the obstacles to personal and social progress; in other situations, human beings must confront apparently insurmountable barriers to happiness and fulfillment. Students are expected to read a significant number of pre-twentieth-century texts.

HONORS SEMINAR ENGLISH 3 - BRITISH LITERATURE

Year • Honors English 2 & Department Approval Required

This course is a chronological study of British Literature beginning in the Medieval period and ending just after World War I. Students will examine canonical texts, paying close attention to the historical context as well as the immediate and long-term cultural impacts of each text. Students will be expected to participate in seminar-style discussions and write college-level literary analysis and research papers that incorporate both primary and critical courses.

New Course for 2026-2027

SHAKESPEARE: NOT ACTUALLY OVERRATED

Year, with standalone semesters • Grades 11 & 12 Only

SEMESTER 1: Shakespeare: A Year in the Life

A Year in the Life of William Shakespeare: 1599, James Shapiro

Julius Caesar, As You Like It, Hamlet

SEMESTER 2: Shakespeare: The Year of Lear

The Year of Lear: Shakespeare in 1606, James Shapiro

Macbeth, Antony and Cleopatra, King Lear

Shakespeare is sometimes toted as the archetypal high school eyeroll: the universal shorthand for the stuffiest, most boring part of any English class. This course seeks to remedy that, transforming the plays from a dusty, inscrutable slog into what the bard himself would want: fresh, relevant, alive, and spoken aloud. In this class, we will be focused not only on reading the plays, but on learning through performance, play, and creativity.

William Shakespeare and James Shapiro will serve as our guides through the tricky questions of history and what it means to be a human. The course will also be somewhat of an "Eras Tour" through the Elizabethan and Jacobian eras, honing in on the tumultuous years of 1599 and 1606: points of profound political, spiritual, cultural unrest and reinvention. Through this framework, we will discover that Shakespeare was not a stuffy poet in an ivory tower, but a real person who lived, worked, and reacted to a world that shockingly resembles our own.



ENGLISH 4: PRACTICAL WISDOM

Year • English 3 Required

This course focuses on entrepreneurial and thought-provoking literature and personal and professional growth.

Students will be required to keep a detailed journal, contributing to it daily, chronicling the growth of their thoughts and their plans. They will also compose a comprehensive "business plan" for their lives, including creating a credible, realistic business venture as the culminating product.

HONORS ENGLISH 4: FILM AS LITERATURE

Year • English 3 & Dept. Approval Required

In Film as Literature, the teacher will choose a relevant common theme for films viewed in the course. Students will view films from a variety of genres selected for their contributions to the thematic focus. Students will discuss and critique films in much of the same way as they study great literature. Plot or storyline, character development, setting and context, theme or message, and the director's intent are all closely examined. Students will understand the mechanics of film as a storytelling vehicle and use technical filmmaking terms in their analysis. Numerous critical analysis essays, Socratic seminars, and research projects are required.

HONORS SEMINAR ENGLISH 4 - GREAT BOOKS

Year • Honors Seminar English 3 & Dept. Approval Required

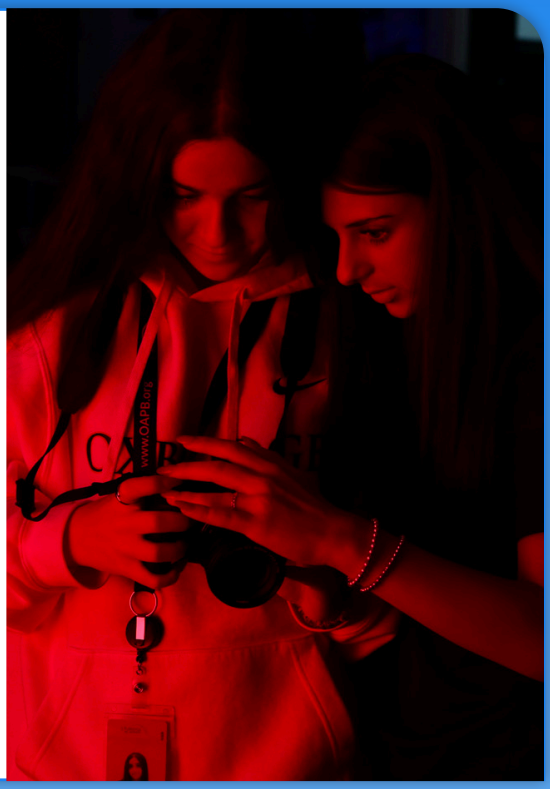
Students in this course will read works of literature that have withstood the test of time and offer distinct insights into the nature of human experience. Through close reading, discussions, research, presentations, and extensive writing, students will become familiar with the themes and issues embedded in these texts. Teachers select from a wide range of texts, including Morrison's *Beloved*, the Greek theater, Dostoyevsky's *Crime and Punishment*, Shakespeare's *King Lear*, and Melville's *Moby Dick*.

HONORS DIGITAL MULTIMEDIA JOURNALISM - YEARBOOK*

Year • Co-Requisite: Honors English Course

This course is designed to provide students with a medium of self-expression through the hands-on production of both the creative and technical elements of yearbook assembly. Units of study include teamwork, responsibility, brainstorming, confidentiality, coverage, concept development, reporting, writing, headlines, captions, editing, photography, typography, design, marketing and distribution. Those enrolled in the course will make content, coverage, marketing campaigns, and design decisions in adherence to journalistic standards. Students work in teams in accordance with their areas of focus such as photography, design, writing, and marketing, under the leadership of student editors.

Can be used to fulfill Fine Arts credit requirement.





CREATIVE WRITING - FICTION

Semester • Open to Grades 10-12

Students in this course will experiment with a mix of creative genres, including flash fiction and graphic novels, to expand their own creative voices. Over the semester, students can expect to generate original material, practice strategies for reading and talking about writing, and develop an original portfolio of their polished pieces.

CREATIVE WRITING - NONFICTION

Semester • Open to Grades 10-12

This course offers students the opportunity to deepen and personalize their writing experience through nonfiction. Various styles will be explored, including memoir, blogging, and documentary film. Students will develop their understanding of purpose and target audience. By the end of the semester, students will have created a mix of self-directed works showcasing their interests through various lenses.



Debate Courses

INTRO TO DEBATE

Year • No Pre-Requisites • **Honors Available**

Students learn and try eight different types of public speaking and debate as they improve their skills in reading, research, organization, and communication. Public speaking formats include different areas of focus: current events, political topics, creative writing, improvisational speaking, and more. Students become more comfortable and skilled in speaking with and in front of others for a variety of purposes, including interpersonal and work-world communication strategies and real-world applications/public speaking. **Competition is required for students in the Honors level.**

HONORS DEBATE

Year • Debate 1 or Instructor Approval Required

This class builds on the fundamentals taught in Introduction to Debate 1, giving special weight to developing the skills needed for competing in Speech and Debate tournaments at the national level. The course focuses on an in-depth analysis of issues related to economics, government policy, international relations, as well as relevant social issues. Specific focus is given to understanding and deconstructing opposing viewpoints. Students will develop the skills needed to actively and successfully participate in Speech and Debate tournaments. Over the course, students will engage in advanced critical thinking, case construction, flowing techniques, and rhetorical development. Students are required to participate in four tournaments over the course of the year. Competition is required for this course.

HONORS SEMINAR DEBATE

Year • Debate 2 & Instructor Approval Required

Students learn and try eight different types of public speaking and debate as they improve their skills in reading, research, organization, and communication. Public speaking formats include different areas of focus: current events, political topics, creative writing, improvisational speaking, and more. Students become more comfortable and skilled in speaking with and in front of others for a variety of purposes, including interpersonal and work-world communication strategies and real-world applications.

HONORS SEMINAR CONGRESSIONAL DEBATE & SPEECH

Year • Debate 3 & Instructor Approval Required

Debate 4 has three fundamental components: critical analysis of issues and arguments; understanding past, present, and future implications; and college-level written and oral communication ability. Building on the critical analysis skills studied in Debate 3, Debate 4 exposes students to the implications of policies in nuanced and detailed ways. The course explores case studies of written and enacted policies and their long-term impacts. Students analyze these policies through the lens of short- and long-term impact and apply this skill to National Speech and Debate Association topics. Debate 4 also focuses on critical rhetorical analysis in written and video texts to further strengthen students' written and oral communication. Regular participation in tournaments is required, and students will complete an approved practicum assignment before the end of the course.

MATH | *4 Credits*



Scott Leljedal
Department Chair

"Oxbridge Academy offers various math courses, all incorporating problem-solving and logic. The Math Department believes that students must learn how to creatively solve problems and apply quantitative skills learned in class to real-world situations. We strive to help students apply and explain logical processes, find practical uses for those concepts in their daily lives, and seek to instill a growth mindset in our students that will help them embrace the challenges they face in mathematics and beyond. We offer the traditional coursework of Pre-Algebra through Calculus, along with advanced courses like Multivariable Calculus and Differential Equations. Our unique electives, like AI/Math Modeling, Digital Logic, and Computer Science, apply math to concrete, real-world scenarios. Upon completing our curriculum, students can think deeply about problems and persevere to keep trying when their first answer is incorrect."

ALGEBRA 1

Year • No Pre-Requisites

This course is the foundation for all other high school math courses. Algebra 1 covers topics including but not limited to linear relationships, exponential and quadratic relationships, advanced functions and equations, and data analysis.

GEOMETRY

Year • Honors & Plus Sections Available • Algebra 1 Required (Dept. Approval Required for Honors)

This course will build upon the Algebra 1 curriculum and is essential to further instruction in Algebra 2, Precalculus, and beyond. The purpose of this course is to develop geometric relationships and deductive strategies that can be used to solve a variety of real-world and mathematical problems. Geometry covers topics including but not limited to geometric structure, congruence, similarity, and measurement.

ALGEBRA 2

Year • Plus Section Available • Geometry Required

This course will build upon the Algebra 1 curriculum and is essential for further instruction in advanced math courses. Algebra 2 covers topics including, but not limited to: extension of the properties of the real number system, linear and quadratic relations and inequalities, polynomials, radical and inverse functions, complex numbers, logarithmic and exponential functions, and rational functions.

HONORS ALGEBRA 2

Year • Minimum "B" Average in Honors Geometry and Dept. Approval Required

The purpose of this course is to continue the study of algebra and to provide the foundation for applying algebraic skills to other mathematical and scientific fields. This course covers the same curriculum as Algebra 2 as well as trigonometric functions, formulas, graphs, and identities. Topics are taught at a greater depth than Algebra 2. Students are expected to synthesize and apply the material beyond the examples discussed in class.topics including but not limited to geometric structure, congruence, similarity, and measurement.

TRIGONOMETRY & SELECTED TOPICS IN MATHEMATICS

Year • Algebra 2 Required

This course will be devoted to an introduction to trigonometry where students will study right triangle trigonometry, non-right triangle trigonometry, the unit circle, trigonometric graphs, and vectors. The second semester of this course is designed to strengthen and build on students' understanding of topics covered in previous math classes. Topics covered include quadratic functions, polynomial functions, radical functions, rational functions, sequences, series, probability, and statistics.

PERSONAL FINANCE

Semester • Open to Grade 12 Only

This course prepares students to understand financial planning, investing, and creating a budget, with an emphasis on the mathematical principles associated with each concept. Students will learn about the world of banking, credit, and taxes, and leave with a better understanding of financial vocabulary. Additionally, students in this course will read the book *Rich Dad, Poor Dad* by Robert T. Kiyosaki to further understand the financial principles and strategies for building wealth.

PRECALCULUS

Year • Algebra 2 Required and Teacher Recommendation

This course is a study of the theory and applications of polynomials, trigonometric identities, vectors, statistics, and rational, exponential, logarithmic, trigonometric, and inverse trigonometric functions. Graphing calculators will be used extensively in this course. The successful student in this course will be well prepared for more advanced topics.

HONORS PRECALCULUS

Year • Minimum "B" Average in Honors Algebra 2 and Dept. Approval Required

The purpose of this course is to prepare students for a calculus course. The course includes all of the topics listed in Precalculus, as well as matrices, polar coordinates, Analytical Geometry, and discrete math. Students will demonstrate their mastery via projects and are expected to synthesize and apply the material beyond the examples discussed in class.

HONORS CALCULUS: MODELING AND APPLICATIONS

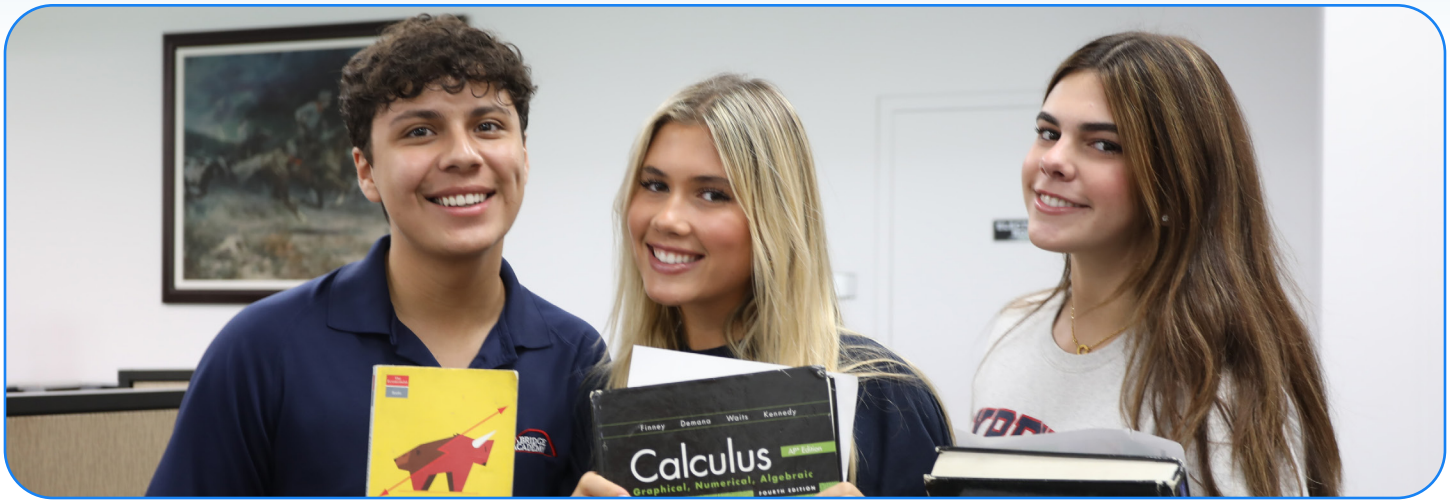
Year • Precalculus Required

This yearlong course introduces students to fundamental calculus concepts with an emphasis on modeling and applications drawn primarily from science, economics, and other real-world contexts. Students study limits, derivatives, and integrals, building on prior knowledge from algebra and trigonometry to understand calculus as a language for describing change. Conceptual understanding and procedural fluency are developed through multiple representations, including graphical, numerical, analytical, and contextual models. Throughout the course, students use calculus to construct, analyze, and refine mathematical models that describe physical systems and other dynamic phenomena. Emphasis is placed on interpreting results, connecting mathematics to the behavior of real systems, and communicating reasoning clearly. The course prepares students for further study in calculus, physics, and related STEM fields by highlighting modeling, problem-solving, and analytical thinking.

STATISTICS & PROBABILITY

Year • Trigonometry & Selected Topics in Mathematics Required

Students will learn how to understand the data and statistics they encounter in everyday life. This course explores all areas of statistics, such as different ways to display data, measures of center and variability, the normal distribution, linear regression, experimental design, random variables, and sampling distributions. Students will also explore probability, including learning how to find compound and conditional probabilities. Students will learn how to draw conclusions about the data they observe through confidence intervals and hypothesis tests.



HONORS SEMINAR **CALCULUS**

Year • Minimum "B" Average in Honors Precalculus & Dept. Approval

This yearlong course provides an in-depth exploration of calculus from algebraic, numerical, and graphical perspectives, with an emphasis on synthesis and application beyond classroom examples. Semester 1 introduces students to fundamental calculus concepts, including continuity and limits, differentiation techniques and applications (such as implicit and logarithmic differentiation), exponential and logarithmic functions, simple differential equations, and both definite and indefinite integrals. Semester 2 builds on these foundations with a deeper study of integration techniques and applications. Additional topics include the calculus of parametric, vector, and polar functions, as well as sequences and series, including the Taylor and Maclaurin series. Students will continue to develop their ability to apply calculus concepts to complex problems beyond standard classroom examples.

HONORS SEMINAR **DIFFERENTIAL EQUATIONS**

Year • Honors Seminar Calculus Required • **NOT OFFERED FOR 2026-2027**

Differential Equations is the study of equations involving rates (derivatives); Linear Algebra is the study of linear systems and vector spaces. Combining these courses will allow us to study systems of differential equations. This course will cover first-order differential equations, linear systems and matrices, vector spaces, higher-order differential equations, eigenvectors, linear systems of differential equations, and Laplace Transforms. The emphasis is on application; as such, graphical interpretation and engineering application will be the focus and not the theory. Students are expected to synthesize and apply the material beyond the examples discussed in class.

HONORS SEMINAR **MULTIVARIABLE CALCULUS**

Year • Honors Seminar Calculus Required

Multivariable Calculus is the calculus of the 3D world. Topics covered include differential and integral calculus of functions of two or three variables, partial derivatives, multiple integrals, Green's, Stokes's, and Divergence Theorems, and calculus of vectors and paths in two and three dimensions. The course will conclude with an introduction to first and second-order differential equations. Students are expected to synthesize and apply the material beyond the examples discussed in class.



Computer Science Courses

HONORS **DIGITAL LOGIC**

Year • Co-Requisite Algebra 2 Plus or Honors Geometry with Department Approval

This course will introduce students to the elements of circuit design and implementation. Topics will include number systems, logic, gate minimization techniques including Boolean Algebra, DeMorgan's Theorem, and Karnaugh mapping, binary arithmetic, multiplexers, flip-flops, memory, and finite state machines. During the second semester, students will work with sensors and motors, write code for microcontrollers such as the Arduino, and learn the fundamentals of soldering to create permanent designs. This course will place a greater emphasis on independent projects that synthesize the concepts learned over the semester.

HONORS **COMPUTER SCIENCE 1**

Year • Co-Requisite: Geometry Plus

This course offers an engaging introduction to the major areas of computer science, including web development, coding, game design, microcontrollers, cryptography, artificial intelligence, and robotics. Each unit culminates in a hands-on project where students apply new skills to build something tangible. Along the way, students develop strong foundations in algorithmic thinking, collaboration, and creative problem-solving, while exploring how computing shapes the world. Students also gain experience with real programming tools and languages used across the industry, including HTML and CSS for building and styling websites, JavaScript for interactive games, C/C++ for microcontrollers, and Python for introductory AI.

HONORS **COMPUTER SCIENCE 2**

Year • Honors Computer Science 1 or Instructor Approval Required

This course is a hands-on deep dive into object-oriented programming in Java for students who want to build real coding confidence. You'll learn to design programs the way professional developers do—using classes and objects, encapsulation, inheritance, interfaces, and polymorphism—while sharpening your problem-solving, testing, and debugging skills. Through structured challenges and engaging projects, students will practice writing clean, readable code and learn how to organize larger programs using n-tier architecture, separating your work into clear layers like presentation, logic, and data. By the end of the course, students will move from small exercises to building bigger, well-structured Java applications that are easier to understand, extend, and maintain.

Artificial Intelligence

HONORS SEMINAR **A.I. & COMPUTATIONAL MODELING**

Year • Calculus Required

The first semester of this two-semester sequence will focus on computational modeling using Python. This course integrates concepts from calculus, statistics, linear algebra, and computer science through the lens of real-world scenarios. There will be an emphasis on numerical methods for solving differential equations. In addition, students will be introduced to statistical methods to analyze large data sets along with specific techniques from linear algebra. Extending the first semester experience, this course will introduce students to the fundamentals of artificial intelligence, focusing on machine learning techniques and training, neural networks and deep learning, and applications of machine learning to real-world problems.

***New Courses** for 2026-2027*

HONORS **COMPUTATIONAL STATISTICS AND DATA SCIENCE**

Year • Precalculus Required

This yearlong honors statistics course emphasizes statistical reasoning, inference, and data analysis through computational methods. Core topics include descriptive statistics, probability concepts, sampling, variability, confidence intervals, hypothesis testing, and regression.

Students apply these ideas using data science workflows such as data cleaning, visualization, and modeling while working with authentic datasets from real-world contexts. The course focuses on interpreting results, identifying misleading claims, and communicating evidence clearly, preparing students for further study in statistics, data science, economics, and related quantitative fields.

HONORS SEMINAR **ITERATIVE DESIGN IN COMPUTING**

Year • Honors Computer Science 2 Required

This advanced, project-based course challenges students to collaborate in teams and build ambitious, real-world technology across multiple domains through iterative design—planning, prototyping, testing, and refining. Students will create a 3D game in Unity, build electronic devices with Arduino, and develop a full-stack web application with database integration and API connectivity, while also exploring modern AI by building a large language model from scratch. Along the way, students gain experience with key programming languages used in these fields, including C/C++, C#, Python, SQL, and any additional languages required for their projects.



SCIENCE | *3 Credits*



Dr. Anne Reilly
Department Chair

Our core course requirements in physics, chemistry, and biology evidence our beliefs about what is worth learning. These core courses introduce students to knowledge that will provide them with a basic scientific literacy that will allow them to be productive members of society.

We believe in an experiential and inquiry-based approach where students can explore all sciences throughout our core and elective courses to foster scientific literacy and proficiency through research and critical discourse. Our elective offerings provide enhanced depth to our core subjects, opportunities to conduct research, and the ability to explore a variety of scientific fields.

INTRODUCTORY **PHYSICS COURSES**

CONCEPTUAL PHYSICS

Year • Concurrent enrollment in Algebra I required

Conceptual physics provides the students an opportunity to explore the core concepts of physics in an accessible and engaging manner with basic math input. This course focuses on scientific literacy, maintaining curiosity of the natural world, and developing critical thinking and logical reasoning skills that are so important for the scientifically literate citizen. Extensive laboratory skills will be developed not only in anticipation of future science lab requirements but also to emphasize the importance of experimental science. Throughout the course, basic Algebra I skills are introduced and developed, but used at a more gradual rate than in General Physics.

GENERAL PHYSICS

Year • Algebra I completion, Concurrent Enrollment in Geometry or Honors Geometry required

This course focuses on physics concepts and the methods of solving problems in physics with a more rigorous, mathematical approach compared to Conceptual Physics. Students will solve problems using skills learned in Algebra I in the context of physics to discover truths about nature. Students in this course will gather and plot data to discover relationships in physics from hands-on experiments, solve problems, and learn critical thinking and logical reasoning skills through labs, lectures, practice problems, and classroom discussions. Throughout the course, foundational concepts from Algebra I will be used and built upon.

HONORS **PHYSICS**

Year • Algebra I and Honors Geometry completion, Concurrent Enrollment in Honors Algebra II or higher-level math course required.

This Honors course focuses on the laws of physics and the methods of solving problems in physics with an even more rigorous, mathematical approach compared to General Physics. Honors Physics Students will solve problems using skills learned in Algebra I and Geometry in the context of physics to discover truths about nature. Students in this course will discover relationships in physics from hands-on experiments, solve problems, and learn critical thinking and logical reasoning skills through labs, lectures, practice problems, and classroom discussions. Throughout the course, material from Algebra I and Geometry will be used and built upon but at a more accelerated rate than in General Physics.

HONORS SEMINAR **PHYSICS CURRICULUM**

Oxbridge Academy's Honors Seminar Physics curriculum is designed as a four-semester sequence, offering students a comprehensive foundation in introductory classical and modern physics, tailored for those pursuing science and engineering.

1. HONORS SEMINAR PHYSICS - MECHANICS

Semester • Honors Physics, Calculus Required • Dept. Approval Required

The study of mechanics includes the description of motion, the analysis of motion using Newton's laws, and the application of the three major conservation laws to a wide range of systems. Familiarity with differential calculus is assumed, and all the topics studied will make use of this level of math. Calculus is embedded in the second-semester topics.

2. HONORS SEMINAR PHYSICS - ELECTRICITY & MAGNETISM

Semester • Honors Seminar Physics - Mechanics Required • Dept. Approval

The study of electricity and magnetism includes the description of the motion of charges and currents using electric and magnetic fields and potentials. Topics covered include electrostatics, magnetism, electromagnetic induction, and waves. Familiarity with differential and integral calculus is assumed, and all the topics studied will make use of this level of math.

3. HONORS SEMINAR PHYSICS - THERMODYNAMICS, FLUIDS, OPTICS, WAVES, AND VIBRATIONS

Semster • Honors Seminar Physics - Electricity & Magnetism Required • Dept. Approval

This 3rd semester course in introductory college physics continues the study of classical physics by looking at applications of Newtonian Mechanics and Electricity and Magnetism. Topics include Vibrations, Fluids, Thermodynamics, Waves, and Optics.

4. HONORS SEMINAR PHYSICS - MODERN PHYSICS

Semester • Honors Seminar Physics - Thermodynamics..., Calculus, and Dept. Approval

We continue our study of physics introducing the subjects of Special Relativity, Quantum Mechanics, and Cosmology. Acquaintance with differential and integral calculus is assumed, as well as introductory classical mechanics and electromagnetism. Quantum Mechanics and Relativity play a key role in our society and technology historically, currently, and in our future and are essential ingredients in contemporary theories of fundamental physics. Successful completion of this course provides a solid foundation for anyone considering physics, engineering, or any other physical science-based STEM discipline for their future endeavors.

CHEMISTRY



CHEMISTRY

Year • Physics Required

In this course, students use mathematical models to examine the basic principles of composition and interaction of matter: atomic structure, kinetic molecular theory, the mole, stoichiometry, reaction types, equilibrium, chemical kinetics, gas laws, and energy transfers. Teaching strategies focus on the cumulative connection of concepts, quantitative analytical problem-solving skills, study skills, use of the scientific method, and proper experimental techniques. Experiments are conducted on a regular basis to reinforce the connections between the mathematical models and concepts presented in class.

HONORS CHEMISTRY

Year • Honors Physics, Dept. Approval Required • Co-Requisite: Algebra 2 or Higher

Chemistry students examine the composition and interaction of matter and energy. Teaching strategies focus on the cumulative connection of concepts, quantitative analytical problem solving, inferential problem solving, use of the scientific method, and proper experimental techniques. Experiments illustrate and reinforce the concepts and mathematics learned. While going in-depth and covering more advanced topics in chemistry, honors students are expected to learn at an increased pace, are held to higher standards, and are given a greater degree of academic freedom and responsibility.



HONORS SEMINAR CHEMISTRY

Year • Honors Chemistry, Co-Requisite: Honors Biology, Algebra 2, and Dept. Approval Required

After a brief review of important concepts from Honors Chemistry, this course will focus on advanced topics in preparation for college-level courses. The first semester will introduce nuclear chemistry, stoichiometry, bonding, thermodynamics, and chemical kinetics. The second semester will focus more on equilibrium, oxidation-reduction chemistry, organic nomenclature, and organic reactions. This will be a lab-based course where you will learn advanced lab techniques such as distillation and purification, principles of mass spectrometry, gas chromatography, UV-VIS spectroscopy and organic synthesis. The pace will be fast and outside reading/notes, using a flipped classroom, help create more lab time and problem-solving explanations.

BIOLOGY

BIOLOGY

Year • Chemistry Required

The biology curriculum is based on the essential questions, "What is life?" and "How do living organisms function individually and within their respective environments?" Topics that are covered in this course include biochemistry, cell structure and function, cell energetics, genetics, protein synthesis, biotechnology, evolution, and biodiversity. Each unit is designed to cover a series of concepts and theories and is accompanied by hands-on lab work allowing students to see the material they are studying in action. Throughout the study of biology, students will acquire knowledge that will enable them to confront a variety of scientific questions that affect their daily lives and the future of the natural world.

HONORS BIOLOGY

Year • Honors Chemistry, Algebra 2 or Higher, Dept. Approval Required

This course includes an in-depth study of a range of topics including the scientific method, biochemistry, cell structure and function, genetics, evolutionary processes, energetics, biotechnology, classification, and ecology. Laboratory investigations play an integral role in the course. Students will be introduced to experimental design with an emphasis on the acquisition of specific skills that include writing and speaking effectively, statistical analysis, and problem-solving.

HONORS SEMINAR BIOLOGY

Year • Honors Biology, Algebra 2 or Higher, Dept. Approval Required

The Honors Seminar Biology curriculum has been developed to cover the material of an introductory college biology course. Topics are covered in great depth, laboratory experiments are complex, and the amount of time and effort required of students is significant. This course provides students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology.

MARINE BIOLOGY

Year • Chemistry Required • Co-Requisite: Biology

Designed for a student who is interested in the marine environment, this course focuses on marine life and the issues surrounding it. It is a project-based class aimed at self-directed learning. Confident swimmers will be able to explore the marine environment first-hand on class snorkeling trips, as we take several snorkeling trips to observe environments firsthand. These trips include seining with Florida Fish and Wildlife and FAU Pine Jog Environmental Education Center, snorkeling Blue Heron Bridge, the Florida Keys, and several others.





HONORS **PLANT BIOLOGY**

Year • Chemistry Required • Co-Requisite Biology

Designed for the student who is interested in the amazing world of plants. This class will introduce students to plant anatomy, plant identification, economic botany, plant ecology, and more. Students will spend time in the lab and outdoors on campus and at local parks. Students will participate in discussions of current research in the field, create oral presentations on special topics, write lab reports, and make a plant collection.

HONORS **ANATOMY & PHYSIOLOGY**

Year • "B" Average or Higher in Prior Science Courses or Dept. Approval Required

Students who are curious about how their bodies function or are interested in a career in the medical field will enjoy this in-depth look at the structures and functions of the human body. Students will engage in experimentation, dissection, and research projects designed to enhance their understanding of the human condition. This course will challenge students' critical thinking skills as they develop a longstanding appreciation for the complexity and beauty of the human body.

ENVIRONMENTAL FIELD RESEARCH

Year • Chemistry Required • Co-Requisite: Biology

Designed for the adventurous outdoor-loving student in mind! This course covers the major Florida ecosystems and some pressing local environmental issues while helping students develop their research skills. Students go on multiple field trips to explore the local parks, refuges, and preserves of South Florida. Throughout the semester, students perform hands-on field projects to collect data, all while helping local organizations capture answers to pressing environmental questions.





SCIENCE ELECTIVES

Astronomy

ASTRONOMY - SOLAR SYSTEM & EVOLUTION OF THE UNIVERSE

Year, with standalone semesters • Co-Requisite: Algebra 2

Astronomy, the study of the universe, was the first science, and it remains a cutting-edge and viable research discipline even today. In the first semester, we study the solar system from the Sun to the Kuiper belt and everything in between. In the second semester, we look at cosmology, the study of the cosmos. We study diverse types of galaxies and black holes, pulsars, quasars, gamma-ray bursts, and other denizens of the universe. Through it all, we ask, where do we come from and where are we going?

Artificial Intelligence

ARTIFICIAL INTELLIGENCE: APPLICATIONS, HISTORY & CURRENT ISSUES (Honors Available)

Year • Pre-Requisite or Co-Requisite: Algebra 2, Biology, U.S. History

This course provides a survey of Artificial Intelligence (AI), spanning its historical roots in computing to today's cutting-edge technologies. Students will explore the technical foundations of AI—including the nature of algorithms, data structures, and neural networks—while examining modern applications such as autonomous driving and large language models (LLMs). Hands-on projects will offer practical engagement with AI concepts, emphasizing conceptual understanding over advanced mathematics. Beyond the technical domain, the course investigates AI's depiction in fiction and film, as well as the ethical, social, and philosophical questions that arise as AI systems evolve. By the end of the course, students will have a nuanced appreciation of AI's past, its current real-world impact, and the possibilities for its future.

Research Methods

HONORS RESEARCH METHODS

Year • Open to Grade 10+ • Co-Requisite Algebra 2 • "B" Average or Higher in Prior Science Classes

This course introduces students to the foundational principles and practices of scientific research. Students will explore how to design experiments, collect and analyze data, and communicate findings effectively. Emphasis will be placed on critical thinking, ethical research practices, and the application of various methodologies across disciplines. By the end of the course, students will gain the skills needed to conduct independent research and present their work to diverse audiences. This class is ideal for students curious about the world and eager to develop a deeper understanding of how knowledge is created.



Aviation Courses

AVIATION 101

Semester • No Pre-Requisites

This is the first of a six-semester elective program in which students will be introduced to aviation, aeronautical, and aerospace science. Taught as a project-based class, this introductory course will study the history of flight, the physics of flight, aircraft systems, engines, instruments, air traffic control procedures, and weather. Students will have the opportunity to apply their knowledge through approximately five hours in a full-motion Cessna 172 flight simulator.

AVIATION 201

Semester • Aviation 101 Required

In Aviation 201, we discuss the evolution and anatomy of the jet engine from military to commercial usage and the impact it had on passengers and cargo. Students will explore the space race, rockets, the Apollo Missions and mishaps that developed into the space shuttle program.

AVIATION 301

Semester • Aviation 201 Required

Aviation 301 will cover the physics of flight to a much deeper level, using mathematical formulas to determine lift, thrust, drag coefficients, and surface area-to-weight ratios. We will begin the process by developing engineering skills through short-term projects and experiments. The focus is to develop the skills of would-be pilots and engineers. Topics such as electrical systems, airport security, and airport design will also help students prepare for the next step in becoming a pilot.

AVIATION 401

Semester • Aviation 301 Required

In this course, the emphasis will be on aeronautical and aerospace engineering. Students will learn to classify aircraft by type, explore UAS (Drones), and learn about air density and how it affects airplane performance. We will also learn about the four forces of flight, aircraft stability, and design characteristics.

AVIATION 501

Semester • Aviation 401 & Dept. Approval Required

This course teaches a student the fundamentals of cross-country flying, which includes planning a route of flight, navigating a route of flight, interpreting aviation weather reports/maps, and preparing the aircraft's weight and balance. Students will obtain approximately 10 hours in a Cessna 172 full motion simulator, and by the end of the course should be able to perform a solo flight in the simulator without instructor input. This course is by recommendation only.

AVIATION 601

Semester • Aviation 501 & Dept. Approval Required

Aviation 601 will expose students to actual FAA test questions that they can expect to see on the Private Pilot Knowledge test. This course is suited for those students pursuing an aviation career and may already be in flight training. Topics will include Weather Theory as it applies to Aviation, Weather Services available to pilots, pre-flight planning, airport operations including Airport markings and signs, traffic pattern procedures, and ATC communications. We will also review the different types of aeronautical charts pertinent to aviators.

New Course for 2026-2027

HONORS SEMINAR AVIATION

Year • Aviation 601 and Instructor Approval Required

This course is the next step in the aviation sequence and expands upon the Private Pilot curriculum. It builds on knowledge and skills developed in previous courses and requires successful completion of Aviation 601. Aligned with FAA standards, this course introduces and develops essential instrument flying skills. Instrument flying is often considered the master class of piloting, integrating all the skills necessary to operate an aircraft safely and confidently in all weather conditions. Students will study instrument approaches, instrument landing systems, airport operations, attitude instrument flying, and emergency procedures. In addition, students will learn how to create and file flight plans, communicate effectively with Air Traffic Control, and understand the federal regulations governing all instrument flight operations.



SOCIAL SCIENCES | *3 Credits*



Anika Pack
Department Chair

Oxbridge Academy's Social Sciences department cultivates essential skills like critical thinking, communication, persuasive argumentation, writing, research, and primary source analysis—foundational for college and various careers.

Students gain an appreciation for human experiences, community, and self while learning how civilizations function and how to engage constructively in society. History courses provide context for understanding the world, while Government and Economics explore systems that shape choices and responsibilities within local, national, and global communities. Our focus is on preparing students for college, professional success, and global citizenship.

HISTORY & GEOGRAPHY

WORLD HISTORY

Year • No Pre-Requisites

World History is the fascinating story of people and their problems, solutions, failures, and successes. Students will progress through an exploration of global history with a particular emphasis on turning points. Students will hear diverse stories from around the world while gaining a deeper understanding of and appreciation for how the past led to the present. The World History course uses content as a framework for teaching skills; students will creatively reintegrate knowledge through research, persuasive writing, and spoken dialogue. The course's flipped classroom methodology ensures students receive content input at their own individual pace and allows class time to be reserved for collaboration, peer-to-peer academic dialogue, individual student-teacher conferencing, skill-building activities, and application of knowledge.

HONORS WORLD HISTORY

Year • Dept. Approval Required

This course is designed to inspire a fundamental appreciation for the people, events, and forces that have shaped the modern world. Students will explore global events with attention to processes, patterns, and interactions that impacted humanity on a global scale. Students will examine the origins of key social, political, environmental, cultural, and economic changes, as well as their impact on society and their relevance to the course of global events. This course examines detailed content and requires students to engage in nuanced written and verbal discourse. Due to the rigor and accelerated pace of the honors course, students need to be independent note-takers, grasp and recall new information readily, and demonstrate strong work habits prior to enrolling in this course.

U.S. HISTORY

Year • World History Required

The United States history course is designed to promote knowledge and appreciation of our country's past, present, and future. This course promotes a general understanding of the dominant patterns of American thought from colonial days through the Cold War. This course will help students develop an understanding of the social, political, economic, cultural, and military experiences that have played a crucial role in shaping the history of our country. Upon successful completion of this course, students will be better prepared to understand the significance of our country's history and our place in the world. The course emphasizes comprehension of higher-level text and analysis of primary and secondary texts together with associated maps, graphs, and pictorial materials.

HONORS U.S. HISTORY

Year • Honors World History & Dept. Approval Required

This offering is for students who are ready to meet the demands of a fast-paced course. This course emphasizes post-1750 history, The U.S. Constitution, and the American political system. Considerable emphasis is placed on analytical writing skills and the factual knowledge necessary to deal critically with the challenges that faced the country in the past. Students are expected to read the class text, as well as primary sources, and then be able to apply that knowledge to answering analytical essays, document-based essays, and multiple-choice questions. This course emphasizes the development of the necessary skills for collaborative work on creative and innovative projects.

HONORS SEMINAR **U.S. HISTORY**

Year • Honors World History & Dept. Approval Required

This course explores fundamental questions about the history of the United States at the very highest academic level. How is American identity defined, maintained, and redefined? How do patterns of individualism and community diverge and converge? How have political systems, social structures, culture, and the economy in the United States evolved? To answer these and other questions, we will study primary sources and develop ideas both through discussion and formal and informal written responses. By the end of the year, students will be able to articulate sophisticated, nuanced positions on American history from the Colonial Era to the Cold War.



HONORS **CIVIL RIGHTS ON THE GLOBAL STAGE**

Year • US History & Dept. Approval Required

In the 1950s and 1960s, the American Civil Rights Movement swept through the South and dominated news coverage across the United States, scoring many legal and political victories in the effort to end discrimination in the United States and inspiring others to mount their own equality campaigns. This movement emerged in the context of a broader fight for freedom in Africa and Asia that both inspired and took inspiration from American civil rights activists. In order to understand better the events, people, and themes involved in Black Americans' struggle for freedom during the middle decades of the 20th century, this course will examine the global reach of civil rights activism. Students will examine broad historical context within which the movement arose; the various philosophies, strategies, expectations, and tactics of the activists and their opponents; and the legacies of the movement. We will explore these issues through primary and secondary source readings, documentaries and films, lectures and class discussions, and interactive classroom assignments.

GEOGRAPHY OF RELIGION (Honors Available)

Year • World History Required

This course is a survey of the geography of religion. Building directly on skills and information learned in World History, this course provides a disciplinary framework for understanding how religion relates to culture, urban planning, and the environment around us. This course will focus on religious culture rather than theology; students are encouraged to enroll regardless of religious background. In addition, students will learn about such important geographic concepts as a feeling of place, sacred spaces, the concept of pilgrimage, the relationship between religion and environment, and cultural assimilation and differentiation over space.

New Course for 2026-2027

GOLDEN AGE OF PIRACY (Honors Available)

Semester • Open to Grades 10-12 • Dept. Approval Required for Honors

Far from being simple outlaws on history's margins, corsairs, buccaneers, and privateers helped shape global trade, empire, international politics, and popular culture. This course examines how the Golden Age of Piracy in the seventeenth and eighteenth centuries developed in response to shifting economic systems, colonial rivalries, and maritime labor conditions. Students will investigate how pirates challenged authority, blurred the line between outlaw and agent of empire, and became enduring cultural symbols of resistance and freedom. Major topics include the rise of Caribbean piracy, the role of privateering in Western politics, life aboard ship, the roles of women and enslaved peoples in pirate communities, the suppression of piracy by emerging nation-states, piracy in popular media, and comparisons between piracy in the Atlantic and the South China Sea.

HONORS SEMINAR TYRANNY & DEMOCRACY

Year • U.S. Government and Dept. Approval Required

How do governments rise, transform, and collapse? How do power, institutions, and ideas shape history? This course explores the relationship between tyranny and democracy from prehistory through the 20th century, focusing on Ancient Greece and Rome, the Enlightenment, and the Atlantic Revolutions. Key themes include war and state formation, institutional theory, and philosophies of power and governance. Drawing from a wide range of historical sources, we will analyze how political ideas, movements, and institutions take shape and drive change, how knowledge and values fuel democracy, and how revolutions reshape the world. Students also will read Robert Penn Warren's classic political novel All the King's Men, which connects course themes to the dynamics of power and governance in modern America. Through historical simulations, advanced research and writing, and seminar discussion, students will examine the forces and ideas that have shaped—and continue to transform—the foundations of political power.



HONORS SEMINAR **BRITISH HISTORY**

Semester • Cambridge Scholars Attendees Only

British History is a preparatory course for juniors attending the Cambridge Scholars Program. The course provides students with an overview of key events in British history and an in-depth examination of the program topic which varies annually. In addition to providing students with a content background that will allow deeper engagement with the Cambridge experience, this course provides advanced instruction in research skills necessary for work at the undergraduate level while at Cambridge and beyond Oxbridge.

***New Course** for 2026-2027*

HONORS SEMINAR **PEACE & CONFLICT**

Year • Grade 12 Only • Dept. Approval Required

This class examines the causes of political and social conflict. Students will examine major types of conflict, including interstate warfare, civil war, terrorism, insurgency, and ethnic violence. Approaches to reducing violence and fostering peace and reconciliation in the aftermath of violent events will also be analyzed. Emphasis will be placed on the use of negotiation, diplomacy, and mediation, as well as the role of power and resources in shaping conflict dynamics. Following an introduction to key theories in peace and conflict studies, students will apply them to historical case studies to evaluate how real-world case studies have been managed.

U.S. GOVERNMENT

U.S. GOVERNMENT

Semester • US History Required

This course is an introduction to the philosophical underpinnings, institutional structures, and processes that comprise the United States government. The course revolves around two fundamental questions; What does it mean to live under a democratic system of government? What obligations and opportunities do citizens have for civic engagement? Skills include analytical writing, research, debate, dialogue, and group work. This course seeks to create socially and politically informed students who possess the ability to make future decisions that will ensure their role as active, informed citizens.

HONORS U.S. GOVERNMENT

Semester • US History & Dept. Approval Required

This course studies the formal and informal structures of government and the processes of the American political system. This course introduces students to key political ideas, institutions, policies, roles, and behaviors that characterize the political structure of the United States. This course includes both the study of general concepts used to interpret US government and politics and the analysis of specific examples of historical and contemporary policy decisions. Students will creatively reintegrate their knowledge through hands-on experiences driven by research, collaboration, and technology. Various assessments will test knowledge of content.

HONORS SEMINAR U.S. GOVERNMENT

Semester • US History & Dept. Approval Required

This course provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behaviors. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments.





FREE ENTERPRISE INSTITUTE

Established in October 2022, Oxbridge Academy's Free Enterprise Institute (FEI) is a learning hub for the next generation of business leaders and entrepreneurs. Offering an environment rich in expertise in entrepreneurship, finance, economics, new product development, and artificial intelligence, FEI provides formal and informal opportunities for students to come together with peers, teachers, and industry experts to learn about capitalism and its influence around the globe.

ECONOMICS

Semester • Open to Grades 11-12

Students will learn how scarcity impacts choice and resource allocation. These themes are considered from a range of viewpoints including the individual consumer, small businesses, national governments, and the global economy. Key topics include the laws of supply and demand, forms of business, government finances and influence, market types, economic systems, price, inflation, unemployment, and international trade and comparative advantage. The course also makes strong connections to students' prior knowledge of history and politics.

HONORS ECONOMICS

Semester • Open to Grades 11-12 • Dept. Approval Required

Honors Economics explores the principles of economic theories and relates them to "the ordinary business of life" (Alfred Marshall). Students will learn about scarcity and how the study of scarce resources led to the disciplines of microeconomics and macroeconomics. An emphasis will also be placed on the individual's role in the global economy with a concentration on contemporary economic and financial issues. Students in the honors course will also engage with pertinent economic models and higher-level graphing skills pertinent to the field. Finally, the class will participate in the Florida Stock Market Challenge and learn the basics of investing.

HONORS SEMINAR ECONOMICS

Semester • Open to Grades 11-12 • Dept. Approval Required

This course provides students with a fundamental understanding of microeconomics and macroeconomics at an advanced level. Students will learn how to graph and analyze supply and demand models, market structures, and externalities. Students will also analyze economic data and explore macroeconomic models. An emphasis will be placed on the impact of monetary and fiscal policy on the economy. Through economic case studies, students will debate current economic issues and be challenged to think critically about how economics impacts their daily lives.

New Courses for 2026-2027

HONORS MICROECONOMIC THEORY & BEHAVIORAL ECONOMICS

Semester 1 • Prerequisite: Economics

This course provides a solid foundation in microeconomic theory exploring how markets work and the forces behind them. Students will think like economists as they evaluate the major principles of marginal analysis, scarcity, and choice. Students will also be challenged to consider the sources of market failures and how to correct them. Finally, students will explore the growing field of behavioral economics which highlights the irrationalities of the market. In this advanced course, students will use graphing and models to better understand how microeconomics impacts the world around them.

HONORS MONETARY & FISCAL POLICY

Semester 2 • Prerequisite: Economics

This advanced course provides a fundamental understanding of monetary and fiscal policy and its impact on the broader economy. Students explore the relationships between growth, labor markets, inflation, interest rates, and other key macroeconomic factors. The aggregate demand and supply models will be used to explain the causes and effects of different policy instruments. An emphasis will be placed on using economic data to explore the applications of theory in practice. Finally, students will demonstrate their knowledge by participating in a mock Federal Reserve meeting at the conclusion of the course.



Financial Markets

FINANCIAL MARKETS 1

Semester • Co-Requisite: Economics

This course provides a foundation for learning about financial markets. Students will explore the fundamentals of bonds, stocks, foreign exchange, options, and futures. Emphasis will be placed on how financial markets work and their impact on the economy. Students will also learn how to use fundamental and technical analysis to evaluate financial instruments. Current financial topics will also be covered such as cryptocurrency, meme stocks, and the increased role of technology in trading. Students will manage a mock portfolio to gain investing experience.

FINANCIAL MARKETS 2

Semester • Financial Markets 1 Required

Students will learn the basics of portfolio theory and management, taking a holistic view of financial markets. Topics such as risk management, diversification, and efficient markets will be discussed. Students will apply what they learn using a realistic investment simulator trading stocks, bonds, options, and futures in a mock portfolio with a concentration on portfolio management. Students will present their portfolios at the end of the semester, analyzing their performance. Additionally, the class will be given the opportunity to manage a real portfolio of around $5,000 from the class of 2008. This course aims to be interactive and practical, leading to a lifetime of investing.

Entrepreneurship Courses

THE ENTREPRENEURIAL MINDSET

Semester 1 • Open to Grades 10-12

Entrepreneurship is a mindset, and this course provides an introduction and overview of the fundamentals of what it takes to succeed. This course is designed to celebrate the contributions and personalities of important entrepreneurs and assist students in determining whether being an entrepreneur is the right career path for them. Students will explore their own personal leadership styles, create innovative products with scamper design and effectual thinking, practice win-win negotiation and then move on to business organization and personal branding. The course will culminate with students pitching what they have learned in a mock business interview.

ENTREPRENEURSHIP: IDEA TO MARKET

Semester 2 • Open to Grades 10-12

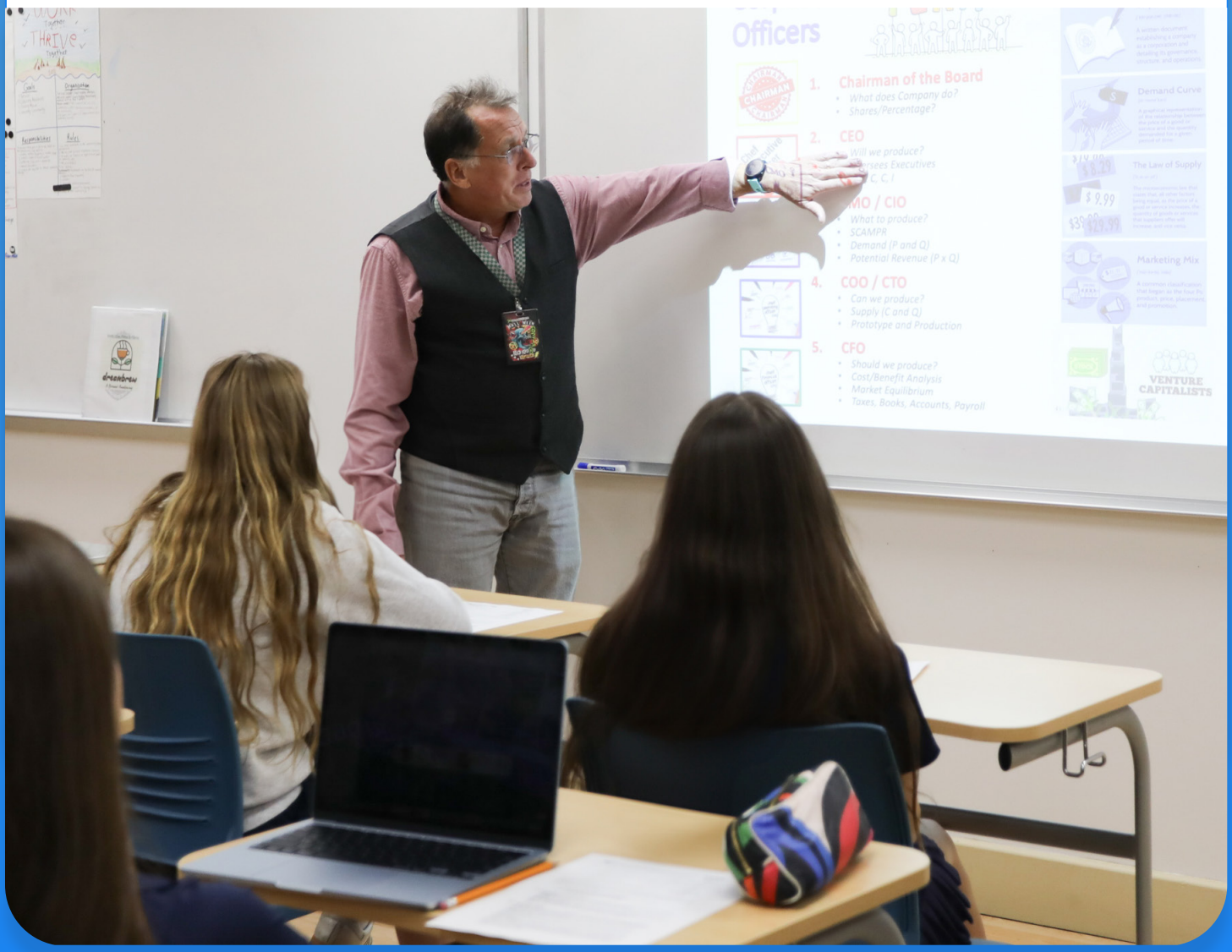
In this course students will explore business organization and opportunity development. Teams of students will devise a proprietary, practical invention and use critical thinking and problem solving to develop a business plan for their invention, learn how to legally protect their company via a patent, protect their logo and tagline with a trademark, determine their cost of goods sold, distribution methods, marketing tactics and total start-up funds that would be required to launch their businesses. Each officer of the business will be responsible for providing leadership during one unit and will be evaluated by the instructor, themselves, and their peers on their demonstrated leadership and organizational skills. At the project's completion, students will create a prototype and pitch their invention to real business owners in a school-wide trade fair.

New Course for 2026-2027

HONORS SEMINAR **ENTERPRISE**

Year • Prerequisite: Honors/Honors Seminar Economics AND either Financial Markets or Entrepreneurship

In this culminating course, students will utilize the skills and knowledge gained from courses in the Free Enterprise Institute to explore the role of capitalism in society. Students will seek to understand the history of capitalism and consider its impact on current issues, and the world around them. Students will collaborate on group projects in the fields of economics, entrepreneurship, and finance, as well as complete an individual capstone project in their chosen area. This hands-on course seeks to connect students with the broader community to explore the application of enterprise.



PSYCHOLOGY

PSYCHOLOGY

Semester • Open to Grades 10-12

This course is a study of human behavior and mental processes from diverse perspectives. Topics include psychology as a science, social psychology, biological bases of behavior, sensation and perception, and states of consciousness. Students will participate in and analyze research studies illustrating core content in various fields of psychology and engage in individual research of psychological topics.

SOCIAL PSYCHOLOGY

Semester • Open to Grades 10-12

Social psychology focuses on the perceptions, thoughts, feelings, and behaviors of individuals and groups within a social context. Students will study the perspectives, research methods, and empirical findings of social psychology. Topics to be covered include impression formation, conformity, prosocial behavior, interpersonal attraction, persuasion, stereotyping, and prejudice.

HONORS ABNORMAL PSYCHOLOGY

Semester • Psychology OR Social Psychology AND Dept. Approval Required

This course introduces students to fundamental concepts, scientific principles, and history underlying abnormal human behavior. The course will be structured to facilitate learning about psychopathological behavior, which will be explored from various theoretical frameworks, including psychological, biological, and sociocultural perspectives. Psychiatric disorders will be discussed according to DSM-V diagnostic criteria, with special attention paid to etiological considerations and disorder-specific descriptions. Specific disorders to be reviewed include mood, anxiety, depression, post-traumatic stress disorder, and suicide. Current empirically based treatments for mental disorders will also be reviewed.

HONORS SEMINAR FORENSIC PSYCHOLOGY

Semester • Grades 11-12 Only • Abnormal Psychology and Dept. Approval Required

The American Psychological Association (APA) has favored the narrow definition of forensic psychology as "the application and practice of psychology in the legal system, particularly in courts." The main areas in the legal system where a person can find a forensic psychologist, according to authors of the course text include: Police/Law enforcement, criminal and delinquent behavior/psychology, victimology and victim services, courtrooms, and correctional facilities and/or prisons. This course will cover a broad spectrum of the various areas that involve law and psychology. This course will focus on some interrogation techniques and also briefly discuss behavior. The course uses visual aids that may be graphic (gore, gruesome) in nature to demonstrate various crimes that a forensic psychologist/psychiatrist would encounter with their job function.



WORLD LANGUAGES | *3 Credits*



Marisa Palazzotto
Department Chair

Oxbridge Academy's World Language courses promote the development of the four basic skills of language acquisition: reading, writing, listening, and speaking. Strengthening these skills fosters active, student-centered communication in the target language by emphasizing what students can *do* with their chosen language of study in various situations.

We emphasize and value any skills related to effective communication in the target language, from the most mundane conversational exchanges to deep philosophical inquiries. By the end of their time at Oxbridge Academy, students will have a solid linguistic foundation upon which to draw when continuing the study of their target language in college or when traveling abroad.

SPANISH

SPANISH 1

Year • No Pre-Requisites

This course will introduce students to the Spanish language and the culture of the Spanish-speaking world. This class will emphasize the spoken language and verbal communication, by teaching words, phrases, and idioms that one will need to communicate in a Spanish-speaking country.

SPANISH 2 (Honors Available)

Year • Spanish 1 Required

Students will develop their listening, speaking, reading, and writing skills from a novice-low to a novice-mid proficiency level. Students will exchange information on a variety of topics, including Latinos in the world, pastimes, technology, holidays, the arts, sports, transportation, and health. Cultural aspects of the contemporary Spanish-speaking world will be studied through communicative activities and projects.

SPANISH 3 (Honors Available)

Year • Spanish 2 Required

Students in Spanish 3 will expand the depth and breadth of their proficiency through communicative activities with an emphasis on speaking and auditory comprehension. Students will be able to express events in present and future tense, with the use of new and previously acquired grammatical structures. Students will apply their knowledge and understanding of grammatical structures and vocabulary to the production of projects, presentations, and short writing assignments.

SPANISH 4 (Honors Available)

Year • Spanish 3 Required

This advanced-level course is designed to improve students' communicative skills in Spanish through a variety of contexts, with an emphasis on spoken communication. Students will be able to exchange biographical information, write their résumé, and prepare for a job interview. Grammar will be learned contextually through hands-on activities such as: designing an ideal city, planning a dream vacation to a Spanish-speaking country, and creating an advertising campaign for an original invention. Students will deepen their cultural appreciation of art, history, and traditions from across the Spanish-speaking world.

SPANISH 5 (Honors Available)

Year • Spanish 4 or Instructor Approval Required

This course aims to address the speaking skill as well as the three modes of communication (interpretive, interpersonal and presentational). Students will demonstrate proficiency to communicate preferences, feelings, emotions and opinions. The students will apply knowledge of the target language to converse with others and to exchange ideas. Students will apply interpersonal, interpretive and presentational mode by exchanging simple messages, form simple sentences on very familiar topics. Students will use learned vocabulary and high frequency phrases, answer simple questions and understand short, simple conversations and narratives when using objects, visuals, and gestures. They would use language resources, including authentic materials, to identify daily products that are unique to the target culture and common to other cultures.



HONORS SEMINAR **SPANISH LANGUAGE & CULTURE**

Year • Honors Spanish 4 or Instructor Approval Required

This course develops language mastery with a focus on interpretive, interpersonal, and presentation skills. Students sharpen their communication skills through advanced study and rigorous grammar, literature, and culture. Students learn about culture through the use of authentic materials that are representative of the Spanish-speaking world. This language acquisition course is designed to provide students with the necessary skills and intercultural understanding to enable them to communicate successfully in an environment where Spanish is spoken. This class is conducted completely in Spanish.

SPANISH FOR HERITAGE SPEAKERS

Year • Dept. Approval Required

This course provides students with real-life communicative situations and settings, with opportunities to reflect and appreciate their own culture and its relationship with others. Students synthesize and negotiate meaning across language and culture in order to explore problems and issues from their own and different perspectives. Students also gain practice in three modes of communication in pair and group activities, in reading authentic texts, in listening to authentic audios recorded by native speakers. This course allows students to take what they have learned in and apply it to situations beyond the



FRENCH

FRENCH 1 (Honors Available)

Year • No Pre-Requisites

Students learn to introduce themselves and speak about their interests. They focus on home, school, family, and daily lives using the present and the near future tense. Students learn phrases and idioms necessary for friendly social exchanges and learn to ask for information used in shops and cafés. Dialogue, role play, and pronunciation are important components of our communicative approach to French.

FRENCH 2 (Honors Available)

Year • French 1 Required

Students build on their vocabulary and understanding of how French is similar to English and other languages. Students will learn to discuss activities that have occurred in the past. As students discover the different countries of the French-speaking world, they will learn phrases and idioms vital for travel. Projects allow students an in-depth investigation of the countries of their choice and allow them to plan a virtual vacation. Students begin to focus on reading and writing French and become familiar with famous poems by Vigneault, Gautier, and LaFontaine, and stories of France and Québec.

FRENCH 3 (Honors Available)

Year • French 2 Required

Students review different ways of discussing the past and learn to recognize still other past tense forms used in poetry and literature, particularly the tales of Charles Perrault. New emphasis is placed on written expression as students rewrite endings to classic French stories. Students learn how to talk about the future and speak about hypothetical events. They delve deep into French gastronomy and learn to make suggestions and give orders with varying degrees of politeness. Emphasis is placed on both understanding and using different ways of asking questions.

FRENCH 4 (Honors Available)

Year • French 3 Required

Students synthesize their knowledge of ways of discussing the past and the future as they learn idiomatic expressions of time. They discuss topical issues using expressions for hypothetical situations in the past, present, and future. Students study the building blocks of French, Québec, and North African society, with particular attention to festivals, traditions, and legends. Students read the poetry and prose of Saint-Exupéry, Laye, Camus, and Molière.

Honors Seminar FRENCH LANGUAGE AND CULTURE

Year • French 4 and Dept. Approval Required

Honors Seminar French is designed to advance students' proficiency through the study and discussion of short stories, poems, plays, art, movies, and contemporary news sources. The structure of the course will be similar to a college survey course in which students engage in close readings and analyses of thematic material and make inferences about a work's meaning. Students will study art and music and discuss how they relate to direct historical events in the French-speaking world. Students will continue to develop the four language skills of reading, writing, listening, and speaking through extensive interpretive, interpersonal, and presentational tasks.



ASL

AMERICAN SIGN LANGUAGE 1

Year • No Pre-Requisites

This introductory course will focus on developing the basic expressive and receptive skills necessary to communicate with deaf communities. Course content includes signs, fingerspelling, numbers, songs, activities, and grammatical and cultural information. Emphasis will be placed on skill development, correct usage of signs, and a general understanding of signed languages used by deaf communities.

AMERICAN SIGN LANGUAGE 2 (Honors Available)

Year • ASL 1 Required

In ASL 2, students will continue to expand vocabulary and concepts acquired in level one. Expansion of conversational range will include talking about other people and activities, giving directions, and making requests. Students will also develop discourse skills appropriate for establishing connections with deaf acquaintances and handling a variety of interruptions. This course will expand on fingerspelling, numbers, vocabulary, sentences, and conversation, with a focus on interaction in ASL to allow them to apply what they have learned.

AMERICAN SIGN LANGUAGE 3 (Honors Available)

Year • ASL 2 Required

ASL 3 is based on nonverbal foundation and focuses on developing expressive and receptive skills in American Sign Language. The purpose of this course is to enable students to develop basic skills in ASL through a linguistic, communicative, and cultural approach to language acquisition. Emphasis is placed on receptive and expressive signing, applied grammar, and real-life applications.

CHINESE

HONORS CHINESE 1

Year • No Pre-Requisites

This course is designed for students with no prior experience in the Chinese language and are interested in learning about the language and culture. Oral communication will be emphasized through listening and speaking activities. Students will be able to ask and answer questions on topics such as greetings, numbers, date and time, self-introduction, and hobbies. Students will also learn reading and writing skills in basic simplified Chinese characters.

HONORS CHINESE 2

Year • Honors Chinese 1 & Dept. Approval Required

Students continue their study of Chinese by expanding their knowledge of key vocabulary topics and grammar concepts.Students will be able to handle basic conversation, such as making appointments and bargaining. Students will also be able to write about their daily routine, study habits, and favorite sports.



HONORS CHINESE 3

Year • Honors Chinese 2 & Dept. Approval Required

At this level, students will be expected to: actively engage in their own learning, understand common vocabulary terms and phrases, use a wide range of grammar patterns in their speaking and writing, participate in conversations, respond appropriately to conversational prompts, and analyze and compare cultural practices and products. Main topic areas covered are weather, food and restaurant culture, travel, asking directions, and seeing a doctor.

HONORS CHINESE 4

Year • Honors Chinese 3 & Dept. Approval Required

Students will further develop their language skills across the three communicative modes: interpersonal, interpretive, and presentational. Students will learn about various aspects of contemporary Chinese society, including Chinese geography and population, ethnic and regional diversity, travel and transportation, holidays, and current affairs.

HONORS SEMINAR CHINESE 5

Year • Honors Chinese 3 & Dept. Approval Required

Students will develop advanced proficiency in Chinese and the capacity to respond in culturally appropriate ways to questions on familiar topics, to understand conversations among native Chinese speakers, and to comprehend and compose emails as part of back-and-forth communication with other Chinese speakers. They will express their personal views or exchange opinions on topics of Chinese education, jobs and interviews, gender imbalances, and environmental protection.



FINE ARTS | *2 Credits*



Kendra Brodsky
Department Chair

The Fine Arts department believes that understanding foundational Art skills and concepts through cross-curricular application, history and contemporary exposure, performance, and career opportunities allows for the creation of enhanced artistic literacy, self-expression, personal confidence, communication skills, and mental well-being.

Our courses thread Art skills andconcepts throughout observational and conceptual art-making experiences and performances that allow for individuality and creative freedoms. The content in the Fine Arts course offerings provides students with fluid and seamless transitions between specialties.

Introduction to the Arts Courses

Full Year • Grade 9 Only

The Introduction to the Arts program offers a unique opportunity for ninth-grade students to immerse themselves in the world of Fine Arts. This program is thoughtfully designed to encourage exploration and discovery, allowing students to engage with both Visual and Performing Arts. Students will select two semester-long courses, one in Visual Art and one in Performing Art. This program aims to not only cultivate artistic skills but also to deepen the understanding and appreciation of the arts in our students.

PERFORMING ARTS OPTIONS:

- *Intro to Dance*
- *Intro to Piano*
- *Intro to Guitar*
- *Intro to Theatre*
- *Intro to Singing*

VISUAL ARTS OPTIONS:

- *Intro to Digital Graphic Design*
- *Intro to Drawing*
- *Intro to Photography*
- *Intro to Installation Sculpture*

2D ART



DRAWING 1

Semester • Open to Grades 10-12

This class introduces students to a range of drawing techniques that are used in the creation of illustrative works. The class teaches the proper use of a variety of artistic tools to develop an awareness of craftsmanship. Through this course, students will have the opportunity to draw from observation as well as from their own interests for themed drawings. This course prepares students for all advanced level 2D Art courses.

DRAWING 2

Semester • Drawing 1 or Intro to Drawing Required

This course uses the skills and techniques learned in Drawing I as a foundation for students to create works that fit their own personal style. Projects are designed to teach advanced drawing skills and additional exploration of drawing media. Topics and themes are chosen to further the development of students' strengths, personal interests, and creative styles. This course is preparation for Painting and all advanced level 2D Art courses.



PAINTING 1

Semester • Open to Grades 10-12

This class teaches safety, tools, and techniques of each medium to establish best practices and craftsmanship skills. Projects are based on personal photographs and observations given specific themes that work best for each medium. Students will learn about how color and layers bring their paintings to life. This course is preparation for all advanced level 2D Art classes.

PAINTING 2

Semester • Painting 1 Required

Painting 2 continues the study of painting mediums. Projects are designed to explore more complex painting concepts while allowing for creative freedom and personal interests. This course offers opportunities for students to develop their own painting style and to seek inspiration from historical and contemporary artists. Completion of this course is preparation for 2D Studio Art classes, as well as Portfolio Design.

2D MIXED MEDIA: ABSTRACTION

Semester • Any Visual Arts Level 1 & 2 classes

This course invites students to explore the expressive possibilities of 2D mixed media through layered, experimental, and expressive approaches to artmaking. Building on foundational skills from any previous art course, students will investigate how artists use abstraction and a wide range of materials—such as acrylic paint, ink, collage, pastels, printmaking elements, found papers, and unconventional surfaces—to communicate concept, emotion, and personal voice. Students will learn to create dynamic compositions through projects that encourage open-ended exploration, creative risk-taking, and self-reflection.

2D MIXED MEDIA: CONCEPT & EXPRESSION

Semester • 2D Mixed Media Abstraction or any Visual Arts Level 1 & 2 Class Required

This course is an extension of the expressive foundations established in 2D Mixed Media Art Abstraction but can also serve as an introduction for students looking to explore the creative possibilities of mixed media. Students will engage in artistic challenges that will refine their technical and creative skills as they investigate abstraction and an expanded range of media. By the end of the semester, students will have created a thoughtful body of work that reflects their artistic voice while building confidence in experimentation and personal expression.

3D ART

CERAMICS 1

Semester • Open to Grades 10-12

Students in Ceramics I are introduced to basic processes of making both traditional and contemporary sculptural works in clay through hand-building methods. Students will explore historical examples of ceramic vessels as well as modern, influential ceramic artists who are leaders and innovators in their craft. This course gives students all the foundational techniques they will need to explore more advanced methods in Ceramics 2.

CERAMICS 2

Semester • Ceramics 1 Required

This course is designed to advance students' skills that were developed in Ceramics 1. Students will have the opportunity to engage in advanced hand-building techniques as well as wheel throwing. Students will also learn more about artistic trends developing in the world of contemporary ceramics.



3D CONSTRUCTION & DESIGN 1

Semester • Open to Grades 10-12

This course introduces students to design and building methods to help them develop an understanding of 3D form and space with an emphasis on the elements and principles of visual design. This course introduces students to different techniques, such as woodworking, metal and jewelry smithing, industrial design, and more. Through lectures, assigned projects, and critiques, students will develop the skills to create a design plan through technical drawing and models.

3D CONSTRUCTION & DESIGN 2

Semester • 3D Construction & Design 1 Required

This course is designed to build on concepts and techniques introduced in 3D Construction and Design 1. Students will continue to build upon their woodworking, metal and jewelry, and industrial design skills and be introduced to computer-aided design software that will assist in advancing their design skills.

INSTALLATION SCULPTURE 1

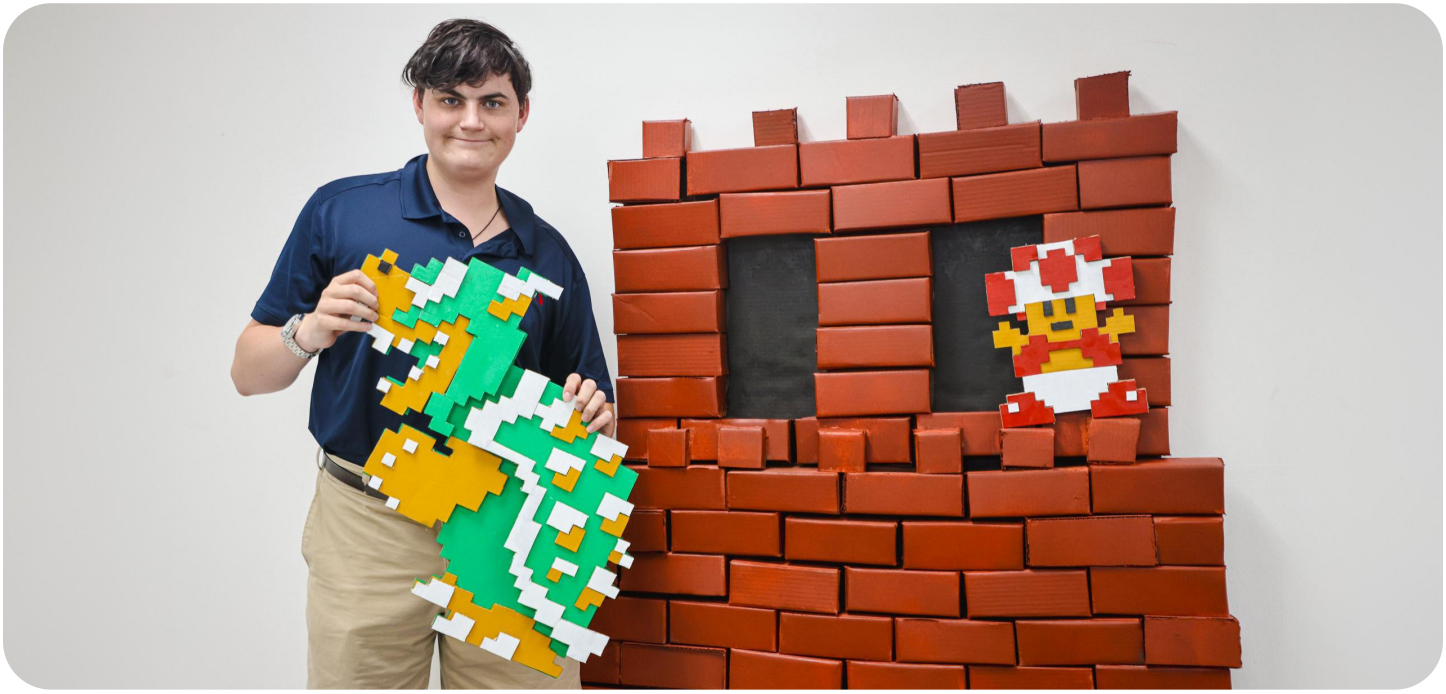
Semester • Open to Grades 10-12

This beginning sculpture course introduces students to a range of creative building and design methods in 3D Art, with no experience necessary. Students will explore traditional and non-traditional materials as they make original works of art. Students will learn how to design and build sculptural projects using the methods of planer construction, clay modeling, found object assemblage, and more. This course approaches the making of sculptures by using the same methods as working artists.

INSTALLATION SCULPTURE 2

Semester • Installation Sculpture 1 OR 3D Construction & Design 1 Required

Students will build upon skills learned in the first Mixed Media Sculpture and continue to explore new materials. This course will introduce students to new building techniques such as the construction of large-scale installation art, mosaics, and figure sculpturing. Throughout the semester students will study methods of sculpting embraced by contemporary sculptors while building their portfolio and design skills.



ARCHITECTURE 1

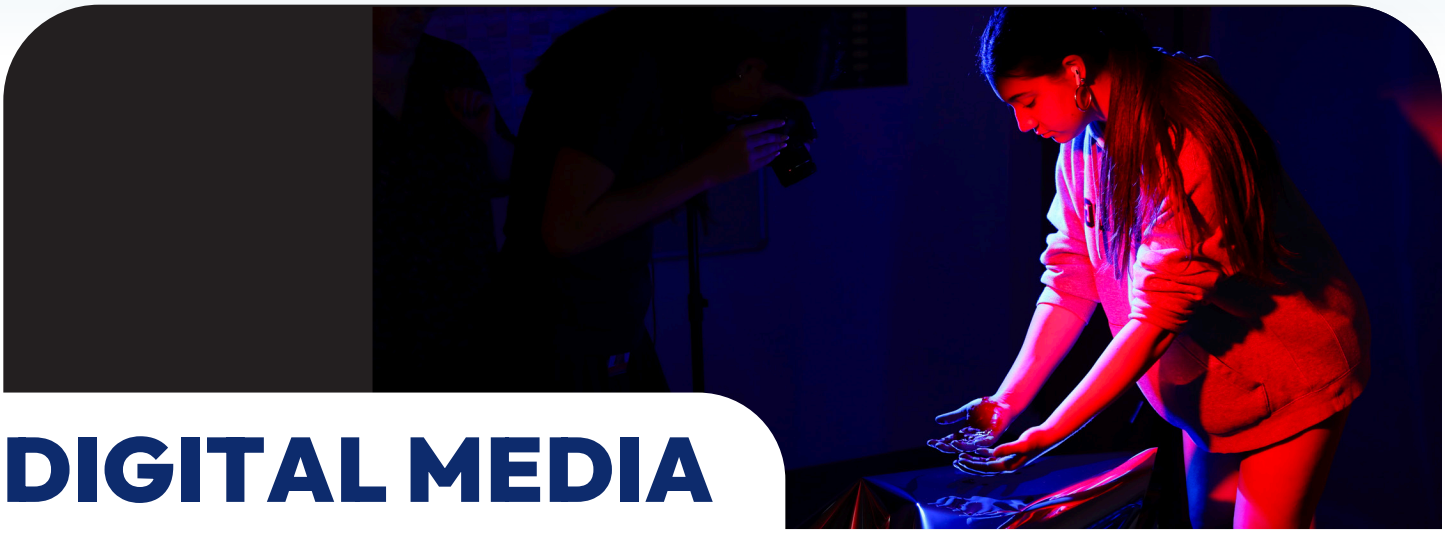
Semester • Open to Grades 10-12

Architectural design is a unique blend of art, science, and function. Students will learn basic planning, design, and construction skills, through inspiration gathered from history, cultural expression, and environmental sustainability. Guest architects will periodically enhance the classroom learning experience.

ARCHITECTURE 2

Semester • Architecture 1 Required

After successfully learning the fundamentals of planning, design, and construction in Architecture 1, students will dive further into understanding the more specific requirements of structural design. Using architectural history, current building requirements, and aesthetic design trends, students will create 2D and 3D renderings of their own designs.



DIGITAL MEDIA

The Digital Media track is a fast-paced, hands-on creative pathway where students design, film, and animate high-impact digital content. Students work with industry-standard software and professional equipment to create bold graphics, cinematic videos, and dynamic motion graphics. This program emphasizes creativity, visual storytelling, branding, and digital innovation, while building real-world skills used in social media, marketing, film, and content creation. Students graduate with a strong creative foundation, a growing portfolio, and skills that stand out for college programs and creative careers.

GRAPHIC DESIGN & BRANDING 1

Semester • Open to Grades 10-12

Students dive into the world of digital creativity using industry-standard Adobe software, including Photoshop, Illustrator, and InDesign. They learn essential design fundamentals such as spacing, margins, color theory, and visual balance while developing an eye for clean, modern design. Students apply these skills through hands-on, real-world projects that mirror professional creative work, including designing a book cover, creating a city logo, and producing a magazine cover. By the end of the course, students will have a strong digital portfolio and the ability to express their unique creative style.

GRAPHIC DESIGN & BRANDING 2

Semester • Graphic Design & Branding 1 or Intro to Digital Graphic Design Required

Take your creativity to the next level in this advanced graphic design course. Students deepen their skills in Adobe Photoshop, Illustrator, and InDesign while tackling real-world, portfolio-worthy projects such as movie posters, app redesigns, personal logos, and real estate advertisements. Along the way, students sharpen their understanding of typography, color theory, layout, and visual storytelling—the same techniques used by professional designers. The skills learned in this class also support success in other high school courses, including presentations, business projects, English assignments, and Science reports, helping work look polished, confident, and professional. This course is perfect for students interested in art, technology, marketing, film, entrepreneurship, or content creation, or for anyone who wants their ideas to stand out on screen and in print.

HONORS MOTION DESIGN & ANIMATION 1

Semester • Graphic Design & Branding 1 Required

In this course, students take their graphic design skills to the next level by learning how to bring static designs to life. Using Adobe After Effects alongside continued work in Photoshop and Illustrator, students explore the fundamentals of motion, scaling, composition, and organization. Hands-on projects include creating live wallpapers, dynamic transitions, a Pac-Man animation, and a fully animated lyric video—giving students the chance to make content they can share and showcase. These skills also strengthen performance in other high school courses such as marketing, media studies, and digital storytelling, while building a foundation for college programs in animation, design, and film production.

HONORS MOTION DESIGN & ANIMATION 2

Semester • Honors Motion Design & Animation 1 Required

Building on the foundation of the first course, students dive deeper into animation, color, motion, and pacing to create polished, professional-quality work. They advance their skills in Photoshop, Illustrator, and After Effects while learning advanced techniques such as motion easing, scale easing, and masking. Projects include logo animations, story-driven animations, phone commercials, and a motion reel, giving students the opportunity to develop a professional portfolio. These advanced skills can enhance work in other high school classes, such as digital media, marketing, and video production, and prepare students for college programs and careers in graphic design, film, motion graphics, and interactive media.

VIDEO PRODUCTION & EDITING 1

Semester • Open to Grades 10-12

Students jump into the world of digital filmmaking by learning the fundamentals of camera operation, shot composition, sound, editing, and storyboarding. Using Adobe Premiere, students gain hands-on experience creating real-world video projects such as public service announcements, sound-mixed clips, and movie trailers. This course builds the foundation for visual storytelling, media production, and creative communication, helping students develop skills that transfer to other classes and future careers in film, media, and content creation.

VIDEO PRODUCTION & EDITING 2

Semester • Videography 1 Required

Take your filmmaking skills to the next level in this advanced video production course. Students expand their knowledge of scriptwriting, storyboarding, camera techniques, and lighting, using equipment such as green screens, microphones, and advanced cameras. They gain proficiency in Adobe Premiere Pro while creating portfolio-ready projects including recut movie trailers, dynamic interviews, and original movie shorts across multiple genres. This course enhances creative problem-solving, storytelling, and technical skills that carry over into other high school classes and prepare students for college programs and careers in film, digital media, and multimedia production.proficiency in Adobe Premiere. Projects will include recutting movie trailers, dynamic interviews, and movie shorts in different genres.



PHOTOGRAPHY 1

Semester • Open to Grades 10-12 Required

Photography 1 is a broad-based introductory course in the study of photography designed to inspire and educate students on the possibilities of photographic media. Students will gain both historical insight and visual literacy while learning how to control the look of their photographs. Students will also gain familiarity with real-world industry techniques for digital asset management, post-production, and retouching through Adobe Lightroom and Adobe Photoshop.

PHOTOGRAPHY 2

Semester • Photography 1 OR Intro to Photography OR Instructor Approval Required

This course is a continuation of Photography 1 and offers students the opportunity to embrace both modern and traditional techniques employed in various genres of photography. Students will experience the world of post-production where images are enhanced, altered, and manipulated for increased visual impact with the use of Adobe Lightroom and Photoshop. At the end of the semester, students are equipped with a working knowledge of each step of the photographic process from inception, to planning, to capturing an image, and post-production.

SOCIAL MEDIA MARKETING & DIGITAL STRATEGY

Semester • Open to Grades 10-12 Required

Step into the fast-paced world of digital marketing and social media! Students learn how to create eye-catching content, build engaging brands, and grow audiences across multiple platforms. They explore the inner workings of algorithms, analytics, advertising strategies, viral campaigns, and the latest trends shaping the industry. Through hands-on projects, students produce blogs, social media posts, product photography, and video commercials for personal or assigned brands. By the end of the course, students will have the skills to manage real-world campaigns, craft compelling brand stories, and create content that stands out online—preparing them for college programs, careers in marketing, and digital entrepreneurship.

Portfolio Design

HONORS PORTFOLIO DESIGN 1

Semester • Instructor Approval Required

This course is for students who have completed beginning and advanced levels of Visual Arts courses in their chosen specialty and are seeking a more intensive focus on their individual artistic styles. At the beginning of the semester, students will propose a theme of their own interest that will guide the creation of several works over the course of the semester. Under instructor guidance, students will work to create a comprehensive collection of work suitable for college applications.

HONORS PORTFOLIO DESIGN 2

Semester • Instructor Approval Required

This course is a continuation of Portfolio Design 1 and an opportunity to add more complex works to the comprehensive collection of work already begun. Students should expect to show the development of style and technique, as well as the evolution of thought, through the creation of each new work. Portfolio reviews will provide students with additional opportunities to engage in conversation to share their knowledge of inspiration from historical and contemporary artists, as well as their understanding of art and design principles.





THEATRE

ACTING

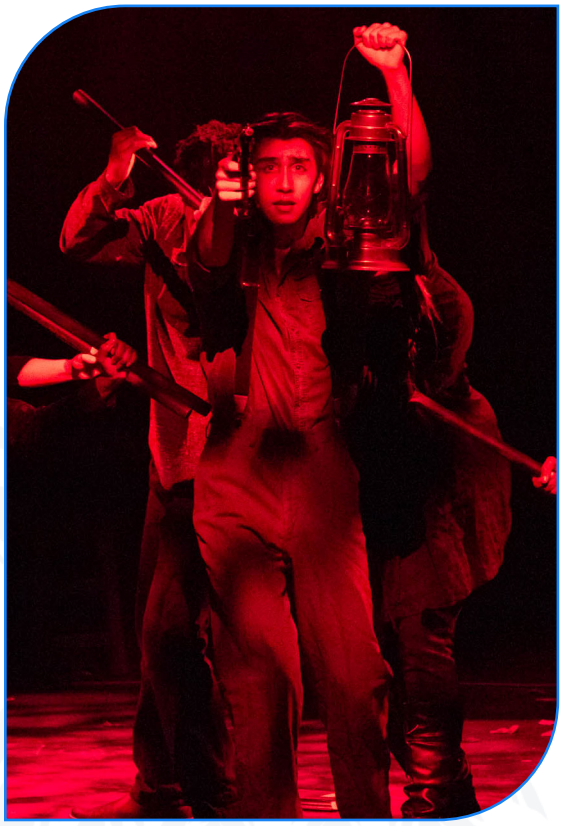
Year • No Pre-Requisites

This course will teach the fundamentals of concentration, imagination, and improvisation through games and exercises in scene work and characterization. Evaluation is based on daily exercises, homework, individual growth, and projects. The curriculum will be appropriate for students interested in acting on stage, for film/TV, or who simply want to improve their public presentation skills.

STAGECRAFT

Year • No Pre-Requisites

This course will teach behind-the-scenes activities like set design and building, scenic painting, lighting, special effects, sound design, crafts, and costuming. This class is the technical crew behind all Oxbridge productions in a variety of ways. Some course requirements include physical work, use of power tools, and after-school hours for Oxbridge Performing Arts events.



HONORS MUSICAL THEATRE

Year • Audition & Instructor Approval Required

Honors Musical Theatre is a performance-based theatre class. The class performs in multiple shows and competitions throughout the year. Students focus on vocal and acting techniques and work with guest artists throughout the year. The class requires the ability to sing, act, move, and take direction well. It has significant after-school requirements for rehearsal and performance.



MUSIC

DIGITAL MUSIC 1: INTRO TO MUSIC TECHNOLOGY

Semester • No Pre-Requisites

This course provides an introduction to the fundamentals of music technology, focusing on the creative use of digital tools in music production. Students will explore basic concepts of sound, recording techniques, MIDI sequencing, and digital audio workstation (DAW) software. Key topics include composing with loops, creating and editing tracks, and applying basic audio effects. Through hands-on collaborative projects and individual assignments students will develop foundational skills in arranging, recording, and producing music. This course encourages creativity while fostering an understanding of the relationship between technology and musical expression.

DIGITAL MUSIC 2: INTERMEDIATE MUSIC TECHNOLOGY

Semester • Instructor Approval Required

Building on the skills learned in Digital Music 1, this course delves into more advanced techniques in music production and sound design. Students will explore automation, mixing, genre-specific production styles, and live performance using technology. Topics include creating custom sound samples, and scoring for multimedia. Collaborative projects and individual assignments will help students refine their skills and develop a unique creative voice. This course emphasizes critical listening, technical proficiency, and connecting musical works to cultural and personal contexts.

STUDIO/RECORDING (DIGITAL MUSIC 3)

Year • Digital Music 1 or Instructor Approval Required

Studio/Recording is an advanced-level course that prepares students for professional music production and recording environments. Students will gain expertise in advanced DAW workflows, multi-track recording, live sound engineering, and mastering techniques. Emphasis is placed on studio equipment, including microphones and audio interfaces. Projects will focus on producing polished, professional-quality recordings and soundtracks for multimedia applications such as film, games, and podcasts. This course also explores career opportunities in music technology, culminating in a capstone portfolio project showcasing students' work.

PIANO 1

Semester • No Pre-Requisites

This is a piano course for students with little or no previous piano instruction. Areas covered will include fundamentals of posture and hand position, reading notes and rhythms, reading chord charts, understanding basic music theory, and introduction to composition and computer notation programs. The course will be adapted to challenge individual levels and rates of progress.

PIANO 2

Semester • Piano 1 Required

This course builds upon the foundational skills developed in Piano 1 and is designed for students with previous piano instruction or equivalent experience. Students will refine their technique, deepen their understanding of music theory, and advance their note-reading and rhythm skills. Areas of focus include multi-octave scales, arpeggios, hands-together coordination, chord progressions, inversions, and improvisation. Students will also expand their repertoire to encompass a variety of musical styles, such as classical, jazz, and popular music, while developing intermediate composition skills using computer notation software. Emphasis will be placed on expressive playing, technical development, and critical



GUITAR

Semester • No Pre-Requisites

This course is designed to teach the basic skills and knowledge required to play the guitar, as well as teach basic music reading ability and music theory. Students will learn the basics of playing guitar at a beginner level through studying music notation, chord symbols, and peer modeling. Through this class, students will gain a better understanding of many different musical genres and public performance may be a course expectation.

ROCK & CONTEMPORARY MUSIC ENSEMBLE (Honors Available)

Year • No Pre-Requisites

This course is an opportunity to study contemporary, rock, and popular music genres through performance and rehearsal in an academic setting. Students will perform covers and originals spanning all styles and time periods. This ensemble will perform regularly at festivals, on and off campus, in class, and at other events. Students are expected to practice outside of class so that class time may be devoted to rehearsal.



HONORS CHOIR

Year • Dept. Approval Required

Advanced vocal students study choral works with an emphasis on reading, diction, tone quality, interpretation, and aesthetics. Students learn and perform an advanced level of repertoire that spans the Renaissance through contemporary periods. Attention will be given to the languages and cultures associated with the particular choral literature.

WINDS & PERCUSSION ENSEMBLE (Honors Available)

Year • No Pre-Requisites



This Chamber Ensemble/Concert Band course focuses on the performance of music literature for woodwind, brass, and percussion ensembles of various stylistic periods. Instruction cultivates performance techniques, artistic interpretation, and overall musicality. Student ensembles will include, but not be limited to, student coaching, literature selection, composer research, accompaniment, arrangements, and performance production.

STRINGS ENSEMBLE (Honors Available)

Year • No Pre-Requisites

The Strings Chamber Ensemble/Orchestra performs music from the string repertoire of the Baroque, Classic, and Romantic eras with an emphasis on the development of string technique and ensemble skill. Student solos and/or ensembles will include, but not be limited to, student coaching, literature selection, composer research, accompaniment, arrangements, and performance production.

JAZZ ENSEMBLE (Honors Available)

Year • Dept. Approval Required

This course is a performance group whose primary purpose is jazz music in small ensembles. Instruction will be provided in improvisation and ensemble performance techniques for various styles of jazz, from the Swing Era to contemporary styles.



DANCE

DANCE FOUNDATIONS

Year • No Pre-Requisites

This course is an introduction to dance technique and choreography. It is perfect for students who have a good movement background but may also come from other art forms (theater and music). Students will learn ballet, jazz, hip-hop, and contemporary dance styles. Throughout the year, students will learn choreography and have performance opportunities.

INTERMEDIATE DANCE

Year • Dance Foundations or Instructor Approval Required

Take your dancing to the next level in this technique and choreography-driven dance class. Students will train in ballet, contemporary, hip-hop, and jazz techniques. Throughout the year, students will have performance opportunities and learn choreography from professional guest artists.

HONORS DANCE REPERTORY

Year • Audition and Instructor Approval Required

This class combines contemporary and classical dance techniques with guest artists in modern dance, jazz, hip-hop, and more. Students will explore composition, improvisation, and performance. The Repertory Dance Ensemble requires several performances throughout the year in the South Florida area and beyond.



HEALTH & WELLNESS | *1 Credit*



Dr. Kelly Prisco
Department Chair

The Health and Wellness Department at Oxbridge Academy supports student well-being by integrating physical education, mental health, and emotional resilience into every aspect of our curriculum. We believe that true wellness extends beyond the classroom, shaping students into well-rounded individuals who are equipped to navigate the challenges of both academic and personal life. Our curriculum's philosophy centers on empowering students with the knowledge, habits, and skills necessary for lifelong health, promoting a balanced lifestyle that fosters both physical vitality and mental clarity. Our goal is to develop the foundation for healthy, fulfilling lives that will last beyond their time at Oxbridge Academy.

LIFETIME HEALTH & WELLNESS

Year • No Pre-Requisites • **REQUIRED For All Ninth Grade Students**

This required course is a blend of Introduction to Leadership and Personal Development, Health, and Physical Education. The first quarter of this course will allow students to explore the foundation of individual social identity, the connection of the human spirit, and the collaboration needed to work for a greater purpose. The remainder of this course will enable students to obtain the knowledge and skills necessary to develop and maintain a health-enhancing level of fitness and to increase physical competence, self-esteem, and the motivation to pursue lifelong physical activity and develop lifelong positive attitudes related to personal health, including mental, emotional, and social health. Health topics include personal health and communicable disease, stress management, nutrition and physical activity, drug awareness, safety and injury prevention, peer pressure, bullying and human sexuality..

STRENGTH & CONDITIONING 1

Semester • Open to Grades 10-12

This is a basic-level course for students who are new to the weight room, cardio equipment, and conditioning programs. This class is designed to familiarize students with the weight room and develop a fundamental understanding of strength and conditioning concepts. Multiple forms of resistance exercise, including free weights, weight machines, resistance bands, and conditioning/ agility activities will be incorporated to promote the improvement of muscular strength, cardiovascular endurance, flexibility, agility, speed, balance, and core strength. Students will be instructed on proper lifting techniques, basic strength and conditioning principles, nutritional considerations, and appropriate hydration.

STRENGTH & CONDITIONING 2

Semester • Strength & Conditioning 1 Required

Strength & Conditioning 2 is designed to provide students with educational instruction to promote high-quality workouts while minimizing the risk of injury. Building upon concepts learned in Strength & Conditioning 1, students will use multiple forms of resistance exercise, conditioning, and agility activities to promote the improvement of muscular strength, cardiovascular endurance, flexibility, agility, speed, balance, and core strength. Students will also study program design and will be able to create personalized and effective workouts for a variety of fitness goals.

YOGA

Semester • Open to Grades 10-12

This course is designed to safely introduce students to the benefits of yoga through postures, breathing techniques, and relaxation methods appropriate for all fitness levels. The emphasis of the class will be on asanas (poses) and vinyasa (flow) for increased flexibility and energy, improved health, and stress reduction. As the students progress in their yoga practice, there will be opportunities to explore advanced asanas and breathing techniques and experience other forms of yoga including hatha, vinyasa, and power yoga.

ZUMBA

Semester • Open to Grades 10-12

Zumba is an interval-style cardio-based workout with components of resistance training. It incorporates Latin and international music and dance moves to integrate some of the basic principles of aerobic, interval, and resistance training to maximize caloric output, cardiovascular benefits, and total body toning to achieve fitness goals. It includes easy-to-follow dance and fitness moves that students of all fitness levels and non-dancers can enjoy and benefit from.



SPORTS MEDICINE 1

Semester • Open to Grades 10-12

This course is designed for students interested in sports medicine-related fields. Sports Medicine 1 is an introductory course that provides an overview of various aspects of the sports medicine field. This course will provide basic knowledge of sports medicine professions, injury prevention, anatomy and exercise physiology, and current issues related to sports-related injury. The purpose of the first-aid portion of this course is to provide training in the skills necessary to make appropriate decisions regarding first-aid care and how to provide care for injuries or sudden illness until professional medical help arrives. This course will also provide instruction for breathing emergencies, performing adult and pediatric CPR, and using an automated external defibrillator (AED) for victims of sudden cardiac arrest. At the completion of this course, students will receive first-aid and CPR certification that is valid for two years.

SPORTS MEDICINE 2

Semester • Sports Medicine 1 Required

This course provides detailed information regarding anatomy, kinesiology, etiology of injury specific to body parts, biomechanics, and injury rehabilitation. The material builds on the information taught in Sports Medicine 1 and provides further knowledge on topics regarding injury assessment, injury pathology, and clinical practices. Sports Medicine 2 is designed to be a hands-on course with mandatory volunteer hours and internship work in the Oxbridge Health and Wellness clinic, as well as with one of the Health and Wellness staff members during practices and games.





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