



UPPER SCHOOL COURSE CATALOG 2025-2026





TABLE OF CONTENTS

PREFACE	3
GRADUATION REQUIREMENTS	4
ENGLISH	6
MATH	12
SCIENCE	20
SOCIAL SCIENCES	29
WORLD LANGUAGES	37
FINE ARTS	43
HEALTH & WELLNESS	55





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 regular, honors, and honors seminar courses.** Because we do not track students, they 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. **Remember 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 transitioning 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

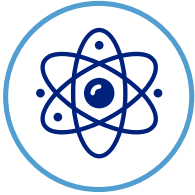


ENGLISH | 4 CREDITS REQUIRED



MATH | 4 CREDITS REQUIRED

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



SCIENCE | 3 CREDITS REQUIRED

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



SOCIAL SCIENCES | 3 CREDITS REQUIRED

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



WORLD LANGUAGES | 3 CREDITS REQUIRED

- All students are required to complete three credits of a language. **Students must take a minimum of two consecutive years of the same language.** Typically, students will continue for a third consecutive year. However, students may complete a year in a different language to satisfy this requirement.



FINE ARTS | 2 CREDITS REQUIRED

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



HEALTH & WELLNESS | 1 CREDIT REQUIRED

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



ELECTIVES | 4 CREDITS REQUIRED

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

English 1 is a survey course of classic and modern literature. Students will read 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. They 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 taught in conjunction with Honors Seminar US 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 centuries.

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-20th-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 WWI. 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.



ENGLISH 4: PRACTICAL WISDOM

Year • English 3 Required

This course focuses on entrepreneurial and thought-provoking literature and personal and professional growth. Students are required to keep a detailed journal, contributing to it daily, chronicling the growth of their thoughts and 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 learn 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 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 • Corequisite: Honors English Course

This course provides 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 will make content, coverage, marketing campaigns, and design decisions in adherence to journalistic standards. Students work in teams by 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 1

Semester • Open to Grades 10-12

Students will experiment with two creative genres—poetry and fiction to develop a familiarity with both genres and also explore their own creative voices. Over the semester, students will generate original material, practice strategies for reading and talking about writing, and create a polished body of work. Students will read and consider published fiction and poetry, and their peers' work. This course also serves as an introduction and prerequisite to any of the upper-level creative writing courses offered at Oxbridge Academy.

CREATIVE WRITING 2

Semester • Creative Writing 1 Required

This course allows students to deepen their writing experience. Various genres will be considered, including poetry, fiction, creative nonfiction, screenwriting, and drama. By the end of the semester, students will have created a self-directed work in a genre of interest. Students will revise their work to hone the skills acquired in Creative Writing 1.



DEBATE

DEBATE 1 (Honors Available)

Year • No Prerequisites

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 other 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 various 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 2

Year • Debate 1 and Instructor Approval Required

This class builds on the fundamentals taught in 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 year. **Competition is required for this course.**

HONORS SEMINAR DEBATE 3 - VARSITY COMPETITION DEBATE

Year • Honors Debate 2 and 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/public speaking. Participation in tournaments is required.

HONORS SEMINAR DEBATE 4 - ADVANCED COMPETITION DEBATE

Year • Honors Debate 3 and Instructor Approval Required

Debate 4 has three fundamental components: Critical analysis of issues and arguments, understanding past, present, and future implications of issues and arguments, and college-level written and oral communication ability. Building on the skill of critical analysis of arguments studied in Debate 3, Debate 4 will expose students to the implications of policies in nuanced and detailed ways. The course explores case studies written and enacted and their long-term impacts. Students will analyze these policies through the lens of short-term and long-term impact and apply this skill to national speech and debate association topics. Debate 4 will also focus on critical analysis of rhetorical analysis in both written and video texts to continue bolstering students' written and oral communication. Regular participation in tournaments is required. 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 Prerequisites

This course is the foundation for all other upper school math courses. Algebra 1 covers topics including 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 builds upon the Algebra 1 curriculum and is essential to further instruction in Algebra 2, Precalculus, and beyond. This course develops 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

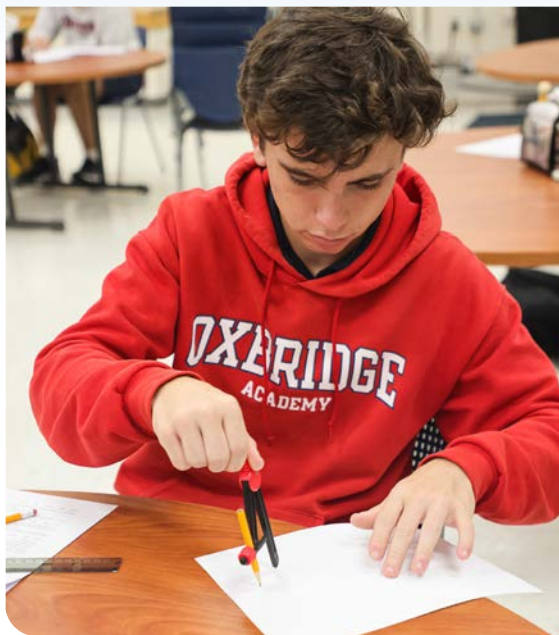
Year • Plus Section Available • Geometry Required

This course builds upon the Algebra 1 curriculum and is essential for further instruction in advanced math courses. Algebra 2 covers topics including, 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

This course continues with the study of algebra and provides 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.



TRIGONOMETRY & SELECTED TOPICS IN MATHEMATICS

Year • Algebra 2 Required

This course introduces 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, emphasizing mathematical principles associated with each concept. Students will learn about 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 studies 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

This course prepares students for a calculus course and 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.

STATISTICS & PROBABILITY

Year • Precalculus Required

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



INTRODUCTION TO CALCULUS & APPLICATIONS OF CALCULUS - BUSINESS

Year • Precalculus Required

This yearlong course introduces students to fundamental calculus concepts while emphasizing their applications in business, economics, and related fields. Semester 1 focuses on foundational calculus procedures, including limits, derivatives, and integrals. Students will build on their previous mathematical knowledge, including trigonometry, to understand and apply these concepts to real-world problem-solving. Semester 2 expands on these foundations by exploring calculus applications in business. Topics include exponential and logarithmic functions, differentiation, integration, partial derivatives, and optimization. Students will analyze concepts such as total cost, variable cost, average cost, marginal cost, total revenue, marginal revenue, and average revenue, using calculus to interpret and solve business-related problems.



HONORS SEMINAR CALCULUS A & B

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, emphasizing 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, and sequences and series, including the Taylor and Maclaurin series. Students will develop their ability to apply calculus concepts to complex problems beyond standard classroom examples.

HONORS SEMINAR DIFFERENTIAL EQUATIONS

Year • Honors Seminar Calculus B Required

Differential Equations studies equations involving rates (derivatives); Linear Algebra studies linear systems and vector spaces. Combining these courses will allow us to study systems of differential equations. This course covers 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 B Required • **NOT OFFERED FOR 25-26**

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

HONORS DIGITAL LOGIC

Year • Corequisite: Algebra 1

This course introduces students to the elements of circuit design and implementation. Topics include number systems, logic, gate minimization techniques, Boolean Algebra, DeMorgan's Theorem, 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 Arduino, and learn the fundamentals of soldering to create permanent designs. This course places a greater emphasis on independent projects that synthesize the concepts learned over the semester.

HONORS COMPUTER SCIENCE 1

Year • Corequisite: Geometry Plus

This course develops skills in algorithmic thinking using Python. Python is an Object-Oriented programming language renowned for its simplicity and ease of use. Using Python, students develop competency in software development, troubleshooting, and team building. Projects include creating calculators, unit converters, word games, and databases. Topics covered include primitives, loops, recursion, classes, objects, methods, and control statements. This course is a strong introduction to the field of computing science, with an emphasis on Object-Oriented programming.

HONORS COMPUTER SCIENCE 2

Year • Honors Computer Science 1 or Geometry Plus Required

This course introduces the basic tenets of mobile app development. Emphasis is placed on gaining hands-on experience in programming for mobile iOS platforms. In the first semester, students focus on using the Swift Programming Language to create useful text-based programs. Semester two will bring more compelling challenges for students, such as creating stand-alone mobile apps for iPad and iPhone and web-connected applications harnessing the power of Apple's built-in APIs. At the end of the course, students will create a repository of their Apps and build a portfolio that showcases their programming skills when applying to Colleges and Universities.



NEW CLASS: HONORS SEMINAR GAME DEVELOPMENT IN C#

Year • Grade 11/12 Only • Honors Computer Science 2 or Algebra 2 Plus Required

Students will create two-dimensional and three-dimensional computer games using the Unity Game Development engine. Students will develop skills such as game design, level design, visual design, storytelling, play testing, physics simulation, troubleshooting, and programming in C#. This full-year course is recommended for students who demonstrate proficiency in programming or artistic design.

HONORS SEMINAR A.I. & COMPUTATIONAL MODELING

Year • One Semester of Calculus Required

The first semester of this two-semester sequence focuses 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 machine learning application to real-world problems.





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.

PHYSICS

PHYSICS

Year • No Prerequisites

The course focuses on physics concepts and methods. Students will solve problems using the processes of technicians, engineers, and scientists. The students test hypotheses, apply conceptual understanding, conduct experiments, design and modify models, test and assess improvements, and analyze results. The students utilize data acquisition and analysis skills to formulate decisions and draw conclusions. The physics program employs a project-based inquiry approach to learning the concepts and applications of physics.

HONORS PHYSICS

Year • Honors Algebra 2 or Honors Geometry

Honors Physics prepares students for advanced studies in the sciences in a career-related field. A general outline of the topics includes mechanics (kinematics & dynamics, harmonic motion, waves, optics, sound, electricity, and magnetism. Experimental processes are examined in a more detailed manner. Honors Physics utilizes mathematics, including Algebra 2 and Trigonometry, on a regular basis, and students selecting this course must be proficient in an advanced mathematics class.

HONORS SEMINAR PHYSICS

Oxbridge Academy's Honors Seminar Physics curriculum has been redesigned for 2025-2026 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 IN 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 use this level of math. Calculus is embedded in the second-semester topics.

2. HONORS SEMINAR IN PHYSICS - ELECTRICITY & MAGNETISM

Semester • Honors Seminar in 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 use of this level of math.

3. NEW CLASS: HONORS SEMINAR IN PHYSICS -VIBRATIONS, FLUIDS, THERMODYNAMICS, WAVES, AND OPTICS

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

This third-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 IN PHYSICS - MODERN PHYSICS

Semester • Honors Seminar in Physics - Vibrations..., 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 regularly to reinforce the connections between the mathematical models and concepts presented in class.

HONORS CHEMISTRY

Year • Honors Physics, Dept. Approval Required •
Corequisite: 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 IN CHEMISTRY

Year • Honors Chemistry, Corequisite: Honors Biology, Algebra 2, and Dept. Approval Required

After a brief review of important concepts from Honors Chemistry, this course focuses on advanced topics in preparation for college-level courses. The first semester introduces nuclear chemistry, stoichiometry, bonding, thermodynamics, and chemical kinetics. The second semester focuses more on equilibrium, oxidation-reduction chemistry, organic nomenclature, and organic reactions. This is a lab-based course where students 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.

NEW CLASS: HONORS RESEARCH METHODS

Year • Open to Grade 10+ • Corequisite Algebra 2 • “B” Average or Higher in Prior Science Classes

This course introduces the foundational principles and practices of scientific research. Students 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.

ASTRONOMY

ASTRONOMY - SOLAR SYSTEM

Semester • Corequisite: 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. Through it all, we ask, where do we come from and where are we going?

ASTRONOMY - EVOLUTION OF THE UNIVERSE

Semester • Corequisite: Algebra 2

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.

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 covered 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. It is accompanied by hands-on lab work, allowing students to see the material they are studying. Throughout the study of biology, students will acquire knowledge enabling 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 are 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 IN BIOLOGY

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

The Honors Seminar in Biology curriculum covers 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 • Corequisite: Biology

Designed for a student 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 can explore the marine environment first-hand on class snorkeling trips. 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 • Corequisite Biology

Designed for the student who is interested in the amazing world of plants. This class introduces students to plant anatomy, plant identification, economic botany, and ecology. Students spend time in the lab, outdoors on campus, and at local parks. Students 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 engage in experimentation, dissection, and research projects designed to enhance their understanding of the human condition. This course challenges 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 • Corequisite: Biology

Designed for the adventurous, outdoor-loving student, 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, while helping local organizations capture answers to pressing environmental questions.



ARTIFICIAL INTELLIGENCE:

APPLICATIONS, HISTORY & CURRENT ISSUES (Honors Available)

Semester • Pre-Requisite or Corequisite: Algebra 2, Biology, US History

This course provides a survey of Artificial Intelligence (AI), spanning its historical roots in computing to today’s cutting-edge technologies. Students 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 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, and 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.



AVIATION

AVIATION 101

Semester • No Prerequisites

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 can 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 to become a pilot.

AVIATION 401

Semester • Aviation 301 Required

In this course, the emphasis will be on aeronautical and aerospace engineering. Students 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 the fundamentals of cross-country flying, which includes planning a flight route, navigating a flight route, interpreting aviation weather reports/maps, and preparing the aircraft's weight and balance. Students 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 exposes students to actual FAA test questions that they can expect to see on the Private Pilot Knowledge test. This course is for students pursuing an aviation career and may already be in flight training. Topics 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.





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 Prerequisites

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 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 inspires a fundamental appreciation for the people, events, and forces that have shaped the modern world. Students explore global events with attention to processes, patterns, and interactions that impacted humanity on a global scale. Students examine the origins of key social, political, environmental, cultural, and economic changes, their impact on society and 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.

US HISTORY

Year • World History Required

The United States history course promotes 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 helps students develop an understanding of the social, political, economic, cultural, and military experiences that have played a crucial role in shaping our country. Upon successful completion of this course, students will better 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 with maps, graphs, and pictorial materials.

HONORS US HISTORY

Year • Honors World History &
Dept. Approval Required

This offering is for students ready to meet the demands of a fast-paced course. This course emphasizes post-1750 history, The US 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 developing the necessary skills for collaborative work on creative and innovative projects.

HONORS SEMINAR US 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.

NEW CLASS: 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. It dominated news coverage across the US, scoring many legal and political victories to end discrimination and inspiring others to mount their 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 explore the broad historical context within which the movement arose, the various philosophies, strategies, expectations, and tactics of the activists and their opponents, and its legacies. We will explore these issues through primary and secondary source readings, documentaries and films, lectures and discussions, and interactive classroom assignments.

HONORS TIDES OF CHANGE: PACIFIC AND CARIBBEAN HISTORY

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

Islands have served as crucial spaces for human development since the earliest documented times. Students will explore social, political, cultural, environmental, and economic development of island societies and examine relationships between islands and continental events. From the most distant and isolated places on the globe to some of the most interconnected locations on the planet, the unique geography of islands provides opportunities to examine culture, technology, archeology, sociology, and exploration. After gaining a foundational understanding of island geography and relevant terminology, students will explore case studies from around the globe with particular emphasis on the Caribbean and Polynesia.

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 our environment. 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 important geographic concepts such as a feeling of place, sacred spaces, the idea of pilgrimage, the relationship between religion and environment, and cultural assimilation and differentiation over space 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 discussions, and interactive classroom assignments.



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 more profound engagement with the Cambridge experience, this course offers advanced instruction in research skills necessary for undergraduate work at Cambridge and beyond Oxbridge.

HONORS SEMINAR TYRANNY & DEMOCRACY

Year • Us 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 various 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.

GOVERNMENT

US GOVERNMENT

Semester • US History Required

This course introduces 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 can make future decisions that will ensure their role as active, informed citizens.

HONORS US 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 US foundational documents, Supreme Court decisions, and other texts and visuals to understand 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.

HONORS SEMINAR US 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 study US foundational documents, Supreme Court decisions, and other texts and visuals to understand 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

Oxbridge's Signature Economics & Entrepreneurship Curriculum

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 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 strongly connects 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 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 relevant to the field. 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 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.

HONORS SEMINAR MICROECONOMICS

Semester • Economics & Dept. Approval Required |

Corequisite: Honors Precalculus

Microeconomics studies individuals and firms that attempts to explain the relationships between scarcity and choice, individual actions, business decision-making, and the production process and marginal analysis. Students study optimality, irrationality, externalities, markets, and utility theory of choice.



HONORS SEMINAR MACROECONOMICS

Semester • Economics & Dept. Approval Required |

Corequisite: Honors Precalculus

Macroeconomics studies the whole economy and attempts to explain the relationships between growth, unemployment, inflation, interest rates, trade, and other economic factors. Students study the business cycle, aggregate demand and supply, fiscal policy, monetary policy, and several macroeconomic theories. The course concludes with a capstone project where students simulate a meeting of the Federal Reserve.



FINANCIAL MARKETS 1

Semester • Corequisite: 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 2018. This course aims to be interactive and practical, leading to a lifetime of investing.

ENTREPRENEURSHIP

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 celebrates the contributions and personalities of important entrepreneurs and assist students in determining whether being an entrepreneur is the right career path for them. Students explore their own personal leadership styles, create innovative products with scamper design and effectual thinking, practice win-win negotiation and move to business organization and personal branding. The course culminates with students pitching what they have learned about themselves in a mock business interview.

ENTREPRENEURSHIP: IDEA TO MARKET

Semester 2 • Open to Grades 10-12

In this course, students explore business organization and opportunity development. Teams of students 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 business officer 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 at a school-wide trade fair.

PSYCHOLOGY

PSYCHOLOGY

Semester • Open to Grades 10-12

This course studies 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 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 study the perspectives, research methods, and empirical findings of social psychology. Topics 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 is structured to facilitate learning about psychopathological behavior, explored from various theoretical frameworks, including psychological, biological, and sociocultural perspectives. Psychiatric disorders are discussed according to DSM-V diagnostic criteria, with special attention paid to etiological considerations and disorder-specific descriptions. Specific disorders are reviewed including 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 Prerequisites

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

SPANISH 2 (Honors Available)

Year • Spanish 1 Required

Students develop listening, speaking, reading, and writing skills from a novice-low to a novice-mid proficiency level. Students 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 are studied through communicative activities and projects.

SPANISH 3 (Honors Available)

Year • Spanish 2 Required

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

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, emphasizing spoken communication. Students can 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 addresses speaking skills and the three modes of communication (interpretive, interpersonal, and presentational). Students will demonstrate proficiency in communicating preferences, feelings, emotions, and opinions. The students will apply knowledge of the target language to converse with others and exchange ideas. Students will apply interpersonal, interpretive, and presentational modes by exchanging simple messages and forming 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 unique to the target culture and common to other cultures.

HONORS SEMINAR IN SPANISH LANGUAGE & CULTURE

Year • Honors Spanish 4 or Instructor Approval Required

This course develops language mastery focusing 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 communicate successfully in an environment where Spanish is spoken. This class is conducted entirely 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 to explore problems and issues from their own and different perspectives. Students 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 and apply it to situations beyond the classroom.



FRENCH

FRENCH 1 (Honors Available)

Year • No Prerequisites

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 learn to discuss activities that have occurred in the past. As students discover the different countries of the French-speaking world, they 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 IN FRENCH LANGUAGE AND CULTURE

Year • French 4 and Dept. Approval Required

Honors Seminar in French advances students' proficiency by studying and discussing short stories, poems, plays, art, movies, and contemporary news sources. The structure of the course is 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 study art and music and discuss how they relate to direct historical events in the French-speaking world. Students 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 Prerequisites

This introductory course develops 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 continue to expand vocabulary and concepts acquired in level one. Expansion of conversational range includes talking about other people and activities, giving directions, and making requests. Students 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 the 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 Prerequisites

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 can handle basic conversation, such as making appointments and bargaining. Students can also write about their daily routines, study habits, and 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 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 and concepts 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

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 Digital Music*
- *Intro to Guitar*
- *Intro to Theatre*
- *Intro to Choir*

VISUAL ARTS OPTIONS:

- *Intro to Digital Graphic Design*
- *Intro to Drawing*
- *Intro to Photography*
- *Intro to 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 1 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 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 ART 3

Semester • Drawing 2 or Painting 2 Required

If you are interested in continuing your study of drawing or painting but not at the Portfolio level, this class is for you! Building on drawing and painting skills, students are encouraged to create and destroy, work with layers, and utilize various materials to express their vision. Projects range from abstract to representational, developed from personal interests, social topics, and historical and contemporary art influence.

2D ART 4

Semester • 2D Art 3 Required

2D Art 4 continues the advanced exploration of drawing and painting from 2D Art 3. This course focuses on utilizing several traditional art-making techniques to create more dynamic compositions. Students are encouraged to create original works of art that utilize a variety of materials to express their individual vision. Projects range from abstract to representational, as developed from personal interests, social topics, and historical and contemporary art influence.



3D ART

CERAMICS 1

Semester • Open to Grades 10-12

Students in Ceramics 1 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

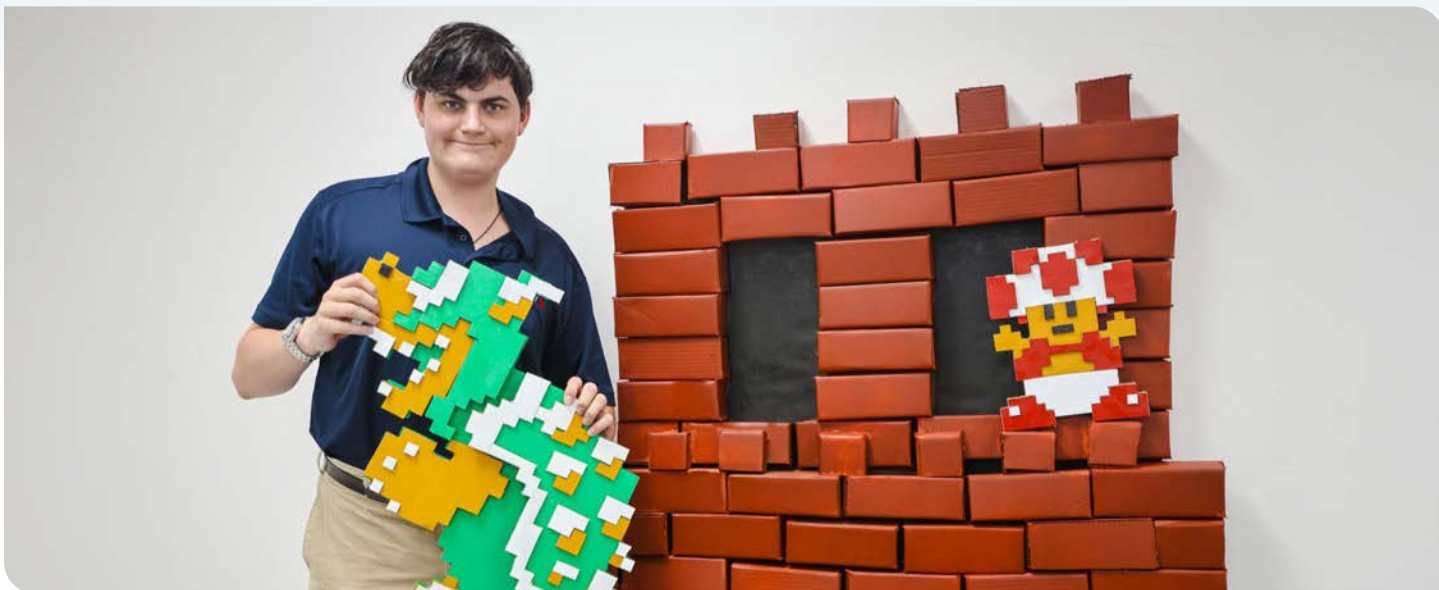
Semester • Open to Grades 10-12

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.



MIXED MEDIA 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 making sculptures using the same methods as working artists.

MIXED MEDIA SCULPTURE 2

Semester • Mixed Media 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.

NEW CLASS: 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.

NEW CLASS: 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

DIGITAL GRAPHIC DESIGN 1

Semester • Open to Grades 10-12

Students will be introduced to Adobe Photoshop, Illustrator, and InDesign and will learn the basic design principles, such as spacing, margins, and color. Students will apply this knowledge to a variety of real-world design projects. Some of the projects include a book cover, a city logo, and a magazine cover.

DIGITAL GRAPHIC DESIGN 2

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

Students will dive deeper into Adobe Photoshop, Illustrator, and InDesign. Projects will include more real-world projects such as a movie poster, app redesign, personal logo, and real estate ad. Each of those projects will be pushing the knowledge of typography, color theory, and the use of spacing.

HONORS MOTION GRAPHICS ANIMATION 1

Semester • Digital Graphic Design 2 Required

Students will be taking the knowledge and still ideas from Graphic Design 1 and 2 and learning how to bring them to life. Students will be taught Adobe After Effects with continued knowledge of Adobe Photoshop and Adobe Illustrator. Assembly, motion, scaling, and organization will be the fundamentals taught. Projects will include live wallpapers, transitions, Pac-Man animation, and a lyric video.

HONORS MOTION GRAPHICS ANIMATION 1

Semester • Motion Graphics Animation 1 Required

Building upon the previous course, students are pushed in various areas such as color, motion, and pacing. Students will be more proficient in Adobe Photoshop, Illustrator, and After Effects, learning new animation design techniques that include motion easing, scale easing, and advanced masking. Projects will be in various areas such as logo animation, story animation, a phone commercial, and a motion reel.

VIDEOGRAPHY 1

Semester • Open to Grades 10-12

Students will learn the basics of video such as camera operation, camera angles, sound, editing, and basic storyboarding. Students will be introduced to Adobe Premiere Rush and work their way to Adobe Premiere. Students will apply their knowledge to real-world video projects such as a PSA, sound mixing, and a movie trailer.

VIDEOGRAPHY 2

Semester • Videography 1 Required

Students will expand their knowledge of scriptwriting, storyboarding, and camera techniques and options using additional equipment such as lighting, green screen, and mics. Students will gain proficiency in Adobe Premiere. Projects will include recutting movie trailers, dynamic interviews, and movie shorts in different genres.

SOCIAL MEDIA MARKETING

Semester • Open to Grades 10-12 Required

Students are introduced to digital marketing philosophies and techniques to prepare them for producing promotional materials across various social media platforms. Students will examine the inner workings of the most prevalent networks, studying algorithms, analytics, advertising, organic marketing, viral marketing, data collection, as well as recent trends that impact the world of marketing. Students will create written blogs, social media posts, photograph products, and produce video commercials for their personal or selected brand promotion to provide students with the tools necessary for social media content management.

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.



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 Prerequisites

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 Prerequisites

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: INTRODUCTION TO MUSIC TECHNOLOGY

Semester • No Prerequisites

This course introduces 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 • Digital Music 1 or 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 Prerequisites

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.

NEW CLASS: 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 listening through solo and ensemble work. Instruction will be tailored to individual levels and progress, ensuring all students are both supported and challenged in their musical journey.



GUITAR

Semester • No Prerequisites

This course is designed to teach the basic skills and knowledge required to play the guitar 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 better understand many different musical genres, and public performance may be a course expectation.

ROCK & CONTEMPORARY MUSIC ENSEMBLE (Honors Available)

Year • No Prerequisites

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 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 Prerequisites

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 Prerequisites

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 Prerequisites

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 (theatre 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 embraces a holistic approach to student well-being, 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 Prerequisites • **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 & Wellness clinic, as well as with one of the Health & Wellness staff members during practices and games.

