OXBRIDGE ACADEMY

MIDDLE SCHOOL COURSE CATALOG

2026-2027





INTRODUCTION

Oxbridge Middle is a special place. Here, our outstanding teachers strive to create a nurturing environment where each student is supported by dedicated faculty, and the school feels like home away from home. Our philosophy revolves around fostering deep connections with our students, understanding that their eagerness to learn and explore new horizons is pivotal to their growth and development.

Central to our approach is cultivating an inclusive atmosphere that fuels critical thinking, facilitates knowledge, and promotes self-confidence. This foundational support empowers our students to embark on a lifelong journey of learning driven by curiosity and determination. Our carefully curated curriculum, complemented by structured free time, serves as a catalyst for students to uncover their passions and purpose.

We maintain a balance in our curriculum in each grade level, introducing students to various ideas and different disciplines. This exposure is followed by guided choices, empowering students to explore subjects of personal interest while ensuring both depth and breadth within our educational framework.

For incoming sixth graders, this means experiencing semesters of both Spanish and French, allowing them to discover their preferred language. It also means that they have a full year of arts instruction to introduce them to the plethora of opportunities available at Oxbridge Academy.

As students' progress to seventh and eighth grade, we give them choices while adding exposure to STEM curriculum and vital life skills such as personal finance, business management, leadership, and service initiatives.

At Oxbridge Middle, we provide a holistic education, equipping students with academic knowledge and instilling purpose, agility, and confidence, preparing them to lead with kindness, and act with courage.

Middle School Mathematics

Math Placement Exams are used to determine each student's initial math course placement. Once placed, students are eligible to enroll in any middle school math course aligned with their demonstrated level of readiness.

PRE-ALGEBRA A

This course lays the groundwork for success in Pre-Algebro B and beyond. With an emphasis on computation, this course provides students with the necessary tools to tackle more complex mathematical concepts in subsequent classes. The curriculum introduces students to equations and variables, enabling effective understanding and manipulation of mathematical expressions. Mastery of these concepts instills the confidence and proficiency necessary for excelling in higher-level mathematics, setting the stage for deeper exploration of olgebraic principles and problem-solving strategies in future coursework.

PRE-ALGEBRA B

This course is tailored to individual skill levels based on placement test results and prepares students for success in Algebra 1, aligning instruction with abilities. Building upon existing pre-olgebra skills, the course offers a comprehensive review and expansion of key concepts, establishing a solid foundation for advanced mathemotics. Students develop enhanced mathematical abilities through rigorous problem-solving applications and a deeper exploration of topics covered in Pre-Algebra A. Emphasizing the synthesis of existing skills; the course equips students with the readiness to tackle Algebra l with proficiency.

ALGEBRA 1

Algebra l is the cornerstone for all high school math courses, providing students with essential skills and concepts to navigate complex mathematical terrain. Throughout this course, students delve into topics like linear relationships, exponential and quadratic relationships, advanced functions and equations, and data analysis. Through rigorous problem-solving exercises and critical thinking challenges, students sharpen their mathematical reasoning skills and build a solid foundation for future academic success in mathematics and beyond.

GEOMETRY | Algebra 1 Required

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

ALGEBRA 2 | Geometry Required - Honors Available with Dept. Approval

Algebra 2 is a continuation of the Algebra l curriculum and is critical for success in advanced math courses. Algebra 2 encompasses topics, including extensions 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. Students develop a deeper understanding of algebraic principles and enhance their problem-solving skills for more complex mathematical challenges.



GRADE 6 CURRICULUM

Grade 6 curriculum sets the foundation and expectations for success in middle school and beyond. Students can explore an array of subject matter in a broad and deep custom curriculum.

6TH GRADE HUMANITIES

An Interdisciplinary Approach to English & Social Studies

Ancient & Classical Humanities

Students engage in an interdisciplinary exploration of history and English, focusing on the ancient and classical world. They develop a deeper understanding of key historical events, cultural developments, and influential literary works from ancient civilizations through a combination of historical inquiry and literary analysis. Throughout the course, students hone writing and communication skills, practicing grammar usage, note-taking techniques, foundational essay writing, crafting thesis statements, and analyzing literary terms.

6TH GRADE SCIENCE

Middle School Earth & Space Science

Students explore earth and space sciences, aligning with the Next Generation Science Standards (NGSS) to provide a comprehensive understanding of fundamental scientific concepts. Throughout the course, students delve into Space Systems, Earth's History, Interior and Surface Systems, Weather and Climate, and Human Impacts. With an emphasis on hands-on learning experiences, the curriculum prioritizes student engagement and the development of critical thinking skills. Through various scientific practices such as developing and utilizing models, analyzing data, posing questions, and planning investigations, students will demonstrate proficiency and deepen comprehension of key concepts in Earth and Space Science.

6TH GRADE ESSENTIAL SKILLS

Root Words, Latin Phrases, Study Skills, and Technology

Essential Skills is a foundational course designed to equip students with the tools necessary for academic success. Through engaging activities and interactive learning experiences, students develop competencies in root words, Latin phrases, study skills, and technology. By exploring Latin and Greek root words and common Latin phrases, our sixth graders gain comprehension skills, confidence and vocabulary, expanding their ability to articulate and navigate their world. Students also gain practical technology skills, empowering them to navigate computer systems and software confidently. Additionally, this course offers insights into effective study methods tailored to individual learning styles, fostering academic excellence, and preparing students to thrive.

6TH GRADE **PERFORMING ARTS**

The sixth-grade Performing Arts course introduces students to music fundamentals. Through comprehensive instruction, students engage with band instruments, receive vocal training, explore music theory, and participate in ensemble performances. The course utilizes hands-on learning, theoretical concepts, and educational music games to establish a strong musical foundation. Regardless of prior experience, students develop their musical abilities and appreciation, empowering them to pursue their interests in music with confidence and enthusiasm.

6TH GRADE **VISUAL ARTS**

In sixth-grade Visual Arts, students explore the mediums of painting, drawing, sculpture, and ceramics. Throughout the course, students delve into art history, study renowned artists, and cultivate their creative expression through hands-on projects.

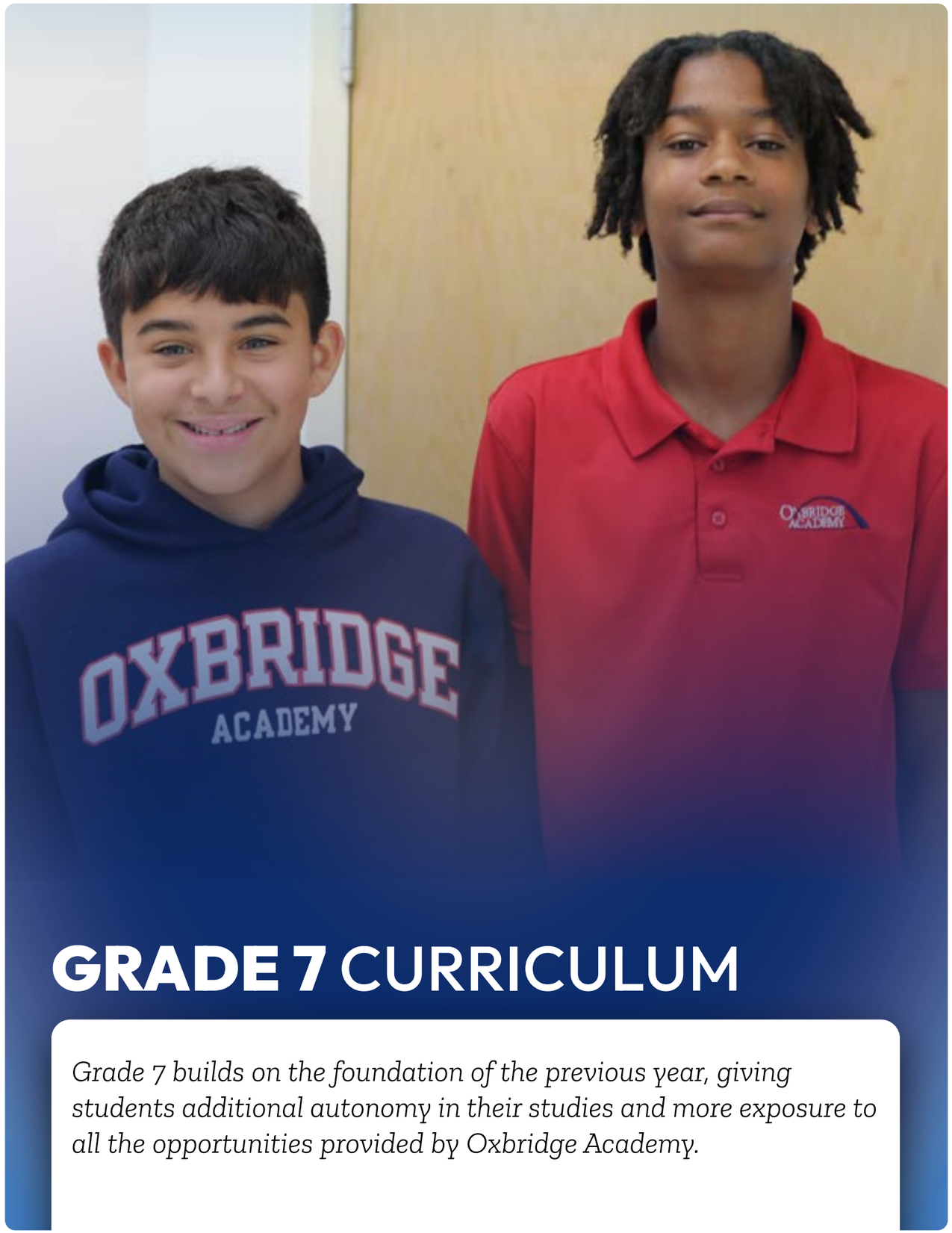
6TH GRADE **WORLD LANGUAGES**

One Semester of **French** AND **Spanish**

French and Spanish courses in sixth-grade each cover one semester and focus on introducing and exciting students about the fundamentals of a new language. Emphasis is placed on basic communication skills and building foundational understanding balanced with real-life applications and experiential opportunities. Students also explore cultural aspects and various themes related to each language studied.

6TH GRADE **PE & HEALTH**

The sixth-grade Physical Education course aims to cultivate physical activity, health, and wellness in our students. Through activities and exercises, students will refine fundamental movement skills, improve physical fitness, and grasp the significance of maintaining an active lifestyle. Emphasizing teamwork, sportsmanship, and personal accountability, the course introduces students to various sports and health-related topics in our health curriculum. By engaging in this course, students develop physical prowess and acquire essential life skills to lead a balanced and healthy lifestyle.



GRADE 7 CURRICULUM

Grade 7 builds on the foundation of the previous year, giving students additional autonomy in their studies and more exposure to all the opportunities provided by Oxbridge Academy.

7TH GRADE **HUMANITIES**

An Interdisciplinary Approach to English & Social Studies

Medieval & Exploration

With a focus on the medieval period and then on exploration, students are immersed in the captivating narratives of medieval civilizations while investigating the enduring concept of exploration. Students build on foundations learned in Humanities 6 by honing their writing and speaking skills through literary analysis, Harkness discussions, and close reading. Through historical inquiry and interdisciplinary analysis, students develop essential skills in critical thinking and empathy, fostering an understanding of both the medieval period and the broader implications of exploration across time and space.

7TH GRADE **SCIENCE**

Middle School Life Science

This course explores the marvels of life, aligning with the Next Generation Science Standards (NGSS) to provide students with a comprehensive understanding of biological concepts. Covering topics ranging from structure, function, and information processing to natural selection and adaptations, students embark on a journey through the intricacies of living organisms and ecosystems. This curriculum prioritizes inquiry-based learning experiences, empowering students to participate in planning and executing investigations. By employing scientific practices such as data analysis, model usage, and experimental design, students hone their critical thinking skills while deepening their comprehension of life sciences. Middle School Life Sciences fosters a passion for inquiry and discovery, equipping students with the knowledge and skills to navigate the complexities of the natural world with confidence and curiosity.

PACK LAB 7

PACK Lab 7 is a STEM course for all 7th grade students built around the dynamic cycle Problem → Approach → Communicate → Knowledge, where students tackle real-world challenges through hands-on pre-engineering and design experiences. From coding and robotics to physical computing and interactive tech, students prototype ideas, test solutions, and refine their thinking through iteration and collaboration. They learn that code can power real systems and that great designs grow stronger through problem-solving and teamwork. PACK Lab 7 sparks curiosity, builds confidence, and lays the foundation for future pathways in computer science, robotics, engineering, and AI.

LEADERSHIP & TECHNOLOGY

Leadership and Technology is a seventh grade course that explores how social media, algorithms, and artificial intelligence shape the way we think, communicate, and make decisions. Students learn how digital systems influence what they see online and develop the skills to question, analyze, and use technology responsibly. Through hands on investigations, case studies, debate, and collaborative projects, students examine topics such as algorithmic bias, misinformation, ethical AI use, and digital citizenship. The course emphasizes critical thinking, ethical leadership, and thoughtful engagement in digital spaces, preparing students to be informed consumers and responsible creators in a technology driven world.

7TH GRADE **WORLD LANGUAGES**

One full year of either **French A** OR **Spanish A**

The French A and Spanish A courses provide yearlong study options for new language beginners. These courses introduce the fundamentals of French or Spanish, emphasizing retention and establishing a solid foundation in the chosen language. Themes explored in this course include salutations, school, leisure, and skills to navigate the complexities of the natural world with confidence and cultural aspects and various themes related to each language studied. The French A and Spanish A courses provide yearlong study options for new language beginners. These courses introduce the fundamentals of French or Spanish, emphasizing retention and establishing a solid foundation in the chosen language. Themes explored in this course include salutations, school, leisure, and skills to navigate the complexities of the natural world with confidence and cultural aspects and various themes related to each language studied.

7TH GRADE **PE & HEALTH**

The seventh-grade physical education curriculum offers students a holistic understanding of the intricate relationship between physical activity, personal health, and overall well-being. Through an integrated approach encompassing physical activities, health education, and practical life skills, students embark on a journey to explore vital aspects of fitness, nutrition, mental health, bullying, and personal safety. By engaging with diverse topics and hands-on experiences, students cultivate the knowledge, skills, and attitudes essential for fostering a balanced and healthy lifestyle.



7th Grade Fine Arts Elective Choice

Choose **ONE** of the following Fine Arts electives for the full year:

VISUAL ARTS

In this immersive art course, students explore various mediums, including ceramics, printmaking, painting, drawing, and sculpture, through hands-on studio projects that develop technical skills and creative self-expression. Engaging with historical and contemporary artists, students gain an appreciation for significant artistic movements and styles as they analyze works, discuss themes, and discover how art intersects with culture and society. Enriching the classroom experience, the course includes an art field trip, enabling students to experience art exhibitions and public works in person.

MUSIC EXPLORATION

The Music Exploration class offers a holistic journey into music, covering the basics of band instruments, vocal techniques, music theory, and ensemble performance. The course builds a strong foundation in music for students, enhancing their skills through practical instrument play, choral singing, and theoretical understanding, culminating in public performances. By the course's end, students have developed their musical abilities and appreciation, regardless of prior experience, and will be poised to further explore their musical passions.

DANCE

This class is open to all levels of dancers. Throughout the year students will learn ballet, jazz, and contemporary dance techniques. Students will have the opportunity to learn dances for performances and explore the creative process of dance composition.





GRADE 8 CURRICULUM

Grade 8 challenges students to expand their horizons and engage with the world. Students are able to choose electives based on their passions, and take on service projects that will prepare them for upper school and beyond.

8TH GRADE **HUMANITIES**

An Interdisciplinary Approach to English & Social Studies

United States History

The eighth-grade Humanities class explores United States history, delving into the rich tapestry of events, movements, and figures that have shaped the nation.Students will analyze the social, political, economic, and cultural factors that have influenced American society by examining key historical periods and themes from the colonial era to the present day. Students will analyze the social, political, economic, and cultural factors that have influenced American society. Throughout the course, students will engage in interdisciplinary inquiry, critical analysis, and thoughtful discussion to develop an understanding of historical events and their impact on the American experience. With a strong foundation created in Humanities 6 and 7, students pivot to learning through Socratic seminars, longer essays, and close reading of images and literary texts. Through analysis, collaborative projects, and multimedia resources, students will cultivate skills in historical interpretation, critical thinking, and empathy.

8TH GRADE **SCIENCE**

Middle School Physical Science

The Physical Science course introduces students to the fundamentals of physical science, aligning with the Next Generation Science Standards (NGSS) to provide a comprehensive understanding of the natural world. The curriculum encompasses topics including structure and properties of matter, chemical reactions, forces and interactions, energy, and waves and electromagnetic radiation. Throughout the course, students engage in hands-on activities and investigations to develop an understanding of scientific practices including, developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematical and computational thinking, and constructing explanations. Students explore real-world applications of physical science concepts and develop solutions to engineering challenges, fostering creativity and critical thinking skills.

8TH GRADE **FINANCIAL LITERACY & BUSINESS**

A one-semester introduction to personal finance, economics, and entrepreneurship.

This course introduces students to essential concepts in personal finance, basic economics, and entrepreneurship. Students develop an understanding of managing money, making informed economic decisions, and exploring the fundamentals of opening and operating a small business.

8TH GRADE **LEADERSHIP & COMMUNITY**

A one-semester incubator for teamwork, communication, and empathy skills.

Through engaging debates, students learn to articulate their perspectives, understand diverse viewpoints, and advocate for meaningful solutions. Students explore the diverse needs of our community, developing a project that addresses real-world issues while honing their leadership abilities. Participants learn to lead with integrity and compassion through hands-on experiences, guest speakers, and collaborative projects.

8TH GRADE **WORLD LANGUAGES**

One full year of either **French B** OR **Spanish B**

In the French B or Spanish B courses, students continue their language journey from their A-level language class, achieving greater levels of fluency and confidence in communicating. These courses build on existing skills, foster deeper comprehension, and enhance linguistic proficiency. Examples of themes explored are fashion, culture, and home/weekend activities.

8TH GRADE **PE & HEALTH**

The eighth-grade Physical Education course integrates physical activity with health education to promote holistic well-being. This course empowers students with the knowledge, skills, and attitude necessary to make informed health and physical fitness decisions. Through physical activities, health education, and personal reflection, students gain a more in-depth understanding of fitness, nutrition, mental health, growth and development, digital citizenship, drug awareness, and personal safety. Greater emphasis on health education prepares students for the ninth-grade Health & Wellness program.



8th Grade Elective Choices

Choose **TWO** of the following electives for the full year:

VISUAL ARTS

In this immersive art course, students explore various mediums, including ceramics, printmaking, painting, drawing, and sculpture, through hands-on studio projects that develop technical skills and creative self-expression. Engaging with historical and contemporary artists, students gain an appreciation for significant artistic movements and styles as they analyze works, discuss themes, and discover how art intersects with culture and society. Enriching the classroom experience, the course includes an art field trip, enabling students to experience art exhibitions and public works in person.

MUSIC EXPLORATION

The Music Exploration class offers a holistic journey into music, covering the basics of band instruments, vocal techniques, music theory, and ensemble performance. The course builds a strong foundation in music for students, enhancing their skills through practical instrument play, choral singing, and theoretical understanding, culminating in public performances. By the course's end, students have developed their musical abilities and appreciation, regardless of prior experience, and will be poised to further explore their musical passions.

DANCE

This class is open to all levels of dancers. Throughout the year students will learn ballet, jazz, and contemporary dance techniques. Students will have the opportunity to learn dances for performances and explore the creative process of dance composition.

PACK LAB 8

PACK Lab 8 is an 8th grade STEM course built around the design cycle: Prototype → Analyze → Create → Knowledge. The name "PACK" represents the structured process students follow in every project. They begin by prototyping ideas through hands-on experimentation, analyzing results and data to understand what works and what doesn't, creating improved solutions through iteration and design refinement, and building lasting knowledge from each challenge. In this lab-based course, students explore STEM concepts using Arduino microcontrollers, robotics systems, 3D modeling, 3D printing, coding, and other interactive technologies. Through collaborative, project-based learning, students develop problem-solving skills, engineering habits of mind, and confidence in turning ideas into real, working innovations.







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