

JOHN ADAMS MIDDLE SCHOOL ELECTIVE COURSE DESCRIPTIONS 22-23

VISUAL ARTS: Exploring Contemporary Art and Digital Media (6th Grade)

This course uses a variety of media to complete hands-on activities exploring the arrangement of line, color, shape, form, value and texture in both 2-dimensional and 3-dimensional design, including drawing, painting, sculpture, printmaking, digital art and ceramics. This course will enable students to understand the link between Technology and Contemporary Fine Arts. It is designed to expand the traditional knowledge of Fine Art, Art History and Design, providing students with the knowledge and skills necessary to use digital media to create original artwork. The variety of art media, techniques and concepts will prepare students for 7th grade Art.

VISUAL ARTS: Exploring Aesthetics in 2-D, 3-D and Digital Media (7th Grade)

Students will study a wide range of two-dimensional and three dimensional art, including drawing, painting, sculpture, ceramics, printmaking, digital art and digital photography. Students will gain an understanding of the role of the computer and digital media in the creative process of a working artist, exploring career options such as animator and illustrator. The variety of art media, techniques and concepts prepare students for 8th grade Art. This course will enable students to understand the link between Technology and Contemporary Fine Arts. It is designed to expand the traditional knowledge of Fine Art, Art History and Design, providing students with the knowledge and skills necessary to use digital media to create original artwork.

VISUAL ARTS: Advanced Drawing, Painting, Ceramics and Digital Art (8th Grade)

This course offers more advanced study in the art making process, further utilizing the elements and principles of design introduced in 6th and 7th grade Art. Students are expected to build upon that prior knowledge to produce more advanced work. Assignments and projects focus on all aspects of drawing, painting, sculpture, ceramics, printmaking, digital art and digital photography, utilizing a wide range of materials and styles. Designed as an in-depth approach to drawing and painting skills, the course will provide students with experiences in the development of realistic and abstract art concepts. This course will also offer a more advanced study in order to enable students to understand the link between Technology and Contemporary Fine Arts. It is designed to expand the traditional knowledge of Fine Art, Art History and Design. It provides students with the knowledge and skills necessary to use digital media to create original artwork. The variety of art media, techniques and concepts will build a foundation for students pursuing classes in the high school Art program.

BAND (Open to 6th, 7th & 8th grade)

This course is open to all students who enjoy music and are excited to learn an instrument. Although prior band experience is recommended, students of all levels who are eager to learn and practice an instrument are welcome. If a student is interested in playing flute, clarinet, alto sax, tenor sax, trumpet, french horn, baritone or trombone he/she will have to buy or rent their instrument. All students should buy or rent their instruments from a quality music shop before the new school year begins. A quality instrument will assist students in reaching their potential. If a student is interested in playing bass clarinet, baritone sax or tuba, the school will provide an instrument for the student to use. Students who currently play percussion in elementary school are accepted into the JAMS Band program. Additional percussionists are only accepted by audition and should reach out to Mrs. Buckelew to discuss. 6th Grade Band is a continuation of the elementary school band program. Each year, the JAMS Band students play more advanced music in a large ensemble. **All students are required to attend weekly before or after school rehearsals.**

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CHOIR (*Open to 6th, 7th & 8th grade*)

This course is open to all students who love to sing in a large group and/or ensemble setting and have the opportunity to sing solos, as well. Previous experience, although an advantage, is not necessary. Students perform at least four times in the school and twice outside the school such as in Carnegie Hall in New York City and some of the Edison elementary schools to perform the Winter and Spring concert repertoire. Students have great opportunities to audition and get accepted in auditioned choirs such as the JAMS Bel Canto, Central Jersey Regions Choir, NJ All-State, All-Eastern and All-National Honor Choirs. Vocal exercises to improve one's singing skills, sight singing and music theory lessons are offered and incorporated in learning the students' repertoire. Singing, playing introductory piano, guitar and recorder and performing a junior classroom version of a play or an opera such as "Carmen" are part of the 6th, 7th and 8th grade Choir curriculum. **All students are required to attend weekly before or after school rehearsals.**

ORCHESTRA (*Open to 6th, 7th & 8th grade*)

Orchestra is a continuation of the elementary school program and gives students the opportunity to learn and understand musical notes, symbols and terms as well as a chance to develop greater proficiency on their musical instrument. While students of all levels are welcome, previous instrumental experience is strongly recommended and daily home practice will be required. Students with no prior string experience may contact the middle school orchestra director, Mrs. Montana, to discuss class expectations. Students must acquire a properly sized instrument for the first day of class, as well as accessories. Students will have the opportunity to perform at concerts, as well as ensemble and large group performances/competitions. **All students are required to attend weekly before or after school rehearsals.**

TECHNOLOGY EDUCATION (*7th Grade*)

Grade 7 Technology Education is a hands-on, project driven class that has students follow the design and problem solving model to develop and create original inventions. Students will use a variety of digital and physical tools to assist them in the creation of their designs. Program goals include understanding systems, building critical thinking skills, embracing failure as part of the design process and developing and communicating solutions with others. STEM principles of Science, Technology, Engineering and Mathematics powerfully come alive as students design, build and test CO2 dragsters, rockets, bridges, LEGO Mindstorms and more.

TECHNOLOGY EDUCATION (*8th Grade*)

Grade 8 examines Technology in the most depth, while bringing new students up to speed. This hands-on, project driven class has students follow the design and problem solving model to develop and create original inventions. This course provides students with an opportunity for creative problem solving and an experience that will be useful in making informed and meaningful decisions. Students will use a variety of digital and physical tools to assist them in the creation of their designs. Program goals include understanding systems, building critical thinking skills, embracing failure as part of the design process and developing and communicating solutions with others. STEM principles of Science, Technology, Engineering and Mathematics powerfully come alive as students design, build and test robotic arms, mousetrap vehicles, CAD homes and more. Through these projects students acquire knowledge of the Technology courses offered at the high school.

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FCS: Culinary (*Open to 7th and 8th grade*)

Do you want to learn to prepare food like a pro? This course offers an introduction to the basic techniques of food preparation. The overall goal is to enhance your knowledge of foods, work safely in the kitchen, meal planning and making informed decisions regarding food choices. Emphasis is placed on working skillfully and efficiently in the kitchen, food preparation and plating creatively. "Hands-on" activities are varied to make the course extremely practical as well as academic. Preparing food is the favorite part of this course! You will learn to make homemade pizza, breakfast burritos, cookies, pancakes, biscuits, macaroni and cheese, just to name a few!

COMPUTER SCIENCE DISCOVERY (*Open to 8th grade only*)

CS Discovery introduces students to Computer Science as a vehicle for problem solving, communication and personal expression. The course focuses on the visible aspects of computing and computer science, and encourages students to see where computer science exists around them and how they can engage with it as a tool for exploration and expression. Computing is so fundamental to understanding and participating in society that it is valuable for every student to learn as part of a modern education. Computer Science is a subject that provides students with a critical lens for interpreting the world around them. Computer Science prepares all students to be active and informed contributors to our increasingly technological society whether they pursue careers in technology or not. Computer Science can be life-changing, not just skill training.