

THE WINDWARD SCHOOL MARCHMESTER COURSE OFFERINGS

Monday, March 18 – Friday, March 22, 2018

Grades 5–9

Note: Course offerings and their descriptions may change based on student interest.

ART

Clay Studio

Students will have the opportunity to explore clay hand-building techniques. Throughout the week, a series of clay projects will be completed and glazed. This course will allow students to expand their current knowledge of clay outside of the typical classroom environment.

Crochet for Beginners - NEW!

Come and have fun while learning a new skill! This course will teach the basic stitches of crochet—slip knot, slip stitch, chain, and single crochet. Students will use techniques learned to make bookmarks, bracelets, and scarves. Students can take their projects home to keep for themselves or share with others.

Digital Photography

This course is perfect for anyone who is a beginner and would like to learn to capture the world around them. For three days, students will use photo adventures to learn how to use the camera, compose a photo, and print with light. During the last two days, students will learn to edit their photographs with Adobe Photoshop Elements. Students may bring their own camera or use cameras provided for the course.

Exploring Mixed Media

Students will learn about the concepts, tools, and methods artists use when combining a variety of materials to create works of art. Students will utilize wood, wire, plaster, paper and paint, along with the necessary assembly methods to execute projects that are visually interesting and have depth.

Mosaic Tiling

Students will be taught the art of creating mosaics using ceramic tiles and other mediums. Each student will have the opportunity to create functional mosaic art as well as 2-D works of art. The students will learn the history of mosaics as well as discuss practical uses and develop an appreciation for ceramic tile work.

Printmaking

This studio art course focuses on the printing processes of lithography, monotypes, and linoleum block relief. Students will learn about different techniques and tools used in each printing process while practicing methods to create their own successful prints. Themes and subject matter will be chosen by the students individually.

Studio Art

This course will help students develop and enhance traditional artistic skills. Students will begin with sketches, develop a composition, focus on shape and form, and complete work using pencil, charcoal, and paint. Artwork may be used to build a student's portfolio.

THEATER AND PERFORMING ARTS

Dance

Students will have the opportunity to learn diverse choreography and choreograph dances of their own in this creative course. Students will also learn about famous choreographers, dancers, and a variety of dance styles. This course will allow new and veteran dancers to express themselves and explore new types of movement.

Drama

Students will experience the excitement and creative challenge of rehearsing and performing a short play. Within a warm and nurturing environment, students will increase self-esteem, develop new friendships, and discover hidden talents.

SCIENCE & TECHNOLOGY

3-D Printing

This course is an introduction to 3-D printing. After learning about the history and development of 3-D printing technology, students will explore 3-D design programs and applications including TinkerCAD and MatterControl to develop, modify, and print their own projects. Additional technology-related activities will be incorporated for students, which will allow for new opportunities to make something new!

Computer Programming with Python: An Intro – NEW!

Python, a text-based computer language, will be used to introduce students to computer programming. Python is a great introduction to computer programming because the code can be read by a human fairly easy, and it is considered more forgiving than other computer languages such as C++ and Java. Students will receive a Python coding workbook and will develop familiarity with the coding language by developing interactive video games and exploring how to draw. This class is recommended for students in grades 7-9.

Mad Science – UPDATED!

Students will be engaged in the world of science by conducting a variety of fun and exciting experiments. A new topic will be introduced each day as students participate in hands-on activities and investigations. Science safety will be emphasized throughout the camp to ensure that students are enjoying their discoveries in a supportive and structured environment.

Makerspace: Circuits – NEW!

Learn about electricity and create a variety of interactive circuits in this STEM-based science club. Participants will investigate these concepts through several projects that introduce concepts such as simple circuits, parallel circuits, switches, and electrical grids. In addition to completing prepared projects, participants may build their own unique creations to demonstrate their understanding and creativity.

Sphero Coding Camp

This course is an introduction to computer science and coding with the use of Sphero, a programmable robot. Students will learn and use the OVAL coding language to program robots by manipulating visual blocks that represent computer code. In addition, students will test their robots and programs in an exciting obstacle course. This course is designed to spark interest into robotics and STEM (Science, Technology, Engineering, and Math) through play.

Video Game Programming with Scratch 2018

Students will design and program their own computer games in this computer science course. Scratch, a tile-based visual programming language, will be used to provide students with an introduction to the logic and syntax of programming through creating their own unique and animated stories, interactive art, and video games. Students will receive a Scratch games workbook, and the Scratch program may be downloaded so students can continue to learn at home and take their projects to new heights!

SPORTS & GAMES

Basketball Skills Camp

Students will learn and practice the fundamentals of basketball including dribbling, passing, shooting, and rebounding. After a thorough warm-up, students will hone their skills through a variety of drill-based activities. Once this is complete, students will be divided equally into fair and competitive teams to participate in full-court games designed to solidify the skills they have been taught. The makeup of teams will vary each day to ensure that every student has the opportunity to play with others.

Dungeons & Dragons – NEW!

Dungeons & Dragons (D&D) is an imaginative, social experience that engages players in a fantasy game filled with larger-than-life heroes, deadly monsters, and diverse settings. Students will develop characters as they complete a variety of virtual quests in a group setting. In addition to being the kind of imaginative play that kids naturally engage in, Dungeons and Dragons develops an array of essential educational skills, including math, reading, writing, cooperation and leadership, problem-solving, and creative thinking. All participants will receive their own D&D book!

Sports & Games

Students will gather to learn and play a host of winter-related sports, along with cooperative games including, but not limited to, floor hockey, basketball, scooter relays designed to simulate sled racing, and whoopee kickball. Each activity has been designed to encourage cooperation, sportsmanship, and resilience. The program will be led by Windward's physical education department to ensure safety, fair play, full inclusion, participation, and most importantly, a fun and positive experience for each student.

Strategic Board Games

We live in the "Golden Age" of board games! Not Monopoly or Clue, but strategic, insightful, well-developed board games that favor skill more than their traditional counterparts. If you haven't heard of games like Settlers of Catan or Ticket to Ride, then these students are in for a treat. In this course, students will learn to play a variety of strategic board games. Not only will they be taught the rules, but they will also learn valuable strategies and tactics to improve their play and have fun!

Yoga and Mindfulness Meditation – NEW!

This course is an introduction to mindfulness meditation and basic postures of yoga. Students will learn skills to manage daily stress and anxiety by participating in guided breathing meditations. The course will also incorporate 26 yoga postures that promote flexibility, detoxification, and stress relief. This course is taught by an experienced yoga practitioner and mindfulness instructor.

COOKING

Cooking – UPDATED!

This course will be an introduction to the fundamentals of a professional kitchen from the safe and hygienic handling of food to the skillful and delicious preparation of dishes. During the course, students will develop real hands-on skills such as measuring, cutting, and baking as they work collaboratively in a commercial kitchen. While the course will be fun and delicious, students interested in working in the kitchen must be prepared to follow instructions carefully and exercise good judgment.

WRITING

Creative Writing – NEW!

Calling all creative writers! From the most realist settings to the most fantastical, writers will learn how to describe their settings with sharp, sensory details. They will also learn how to build credibility through the use of creative exercises to deepen their own understanding of their own story worlds, so that readers can see all that they imagine!