



# STEAM YOUTH

JULY 9 - 13, 2018	MINORS (Ages 8-11)	MAJORS (Ages 12-15)
9:00 - 11:00 AM	<ul style="list-style-type: none"> <li>• Junk Box Creations</li> <li>• Cartooning</li> </ul>	<ul style="list-style-type: none"> <li>• Painting</li> <li>• T-Shirt Design</li> </ul>
11:45 AM - 1:45 PM	<ul style="list-style-type: none"> <li>• Painting</li> <li>• Science Apprentice</li> </ul>	<ul style="list-style-type: none"> <li>• Sculpture</li> <li>• Drawing</li> </ul>
2:00 - 4:00 PM	<ul style="list-style-type: none"> <li>• Drawing</li> <li>• Tessellations: Geometric Art</li> </ul>	<ul style="list-style-type: none"> <li>• Smartphoneography</li> <li>• Collage</li> </ul>

JULY 16 - 20, 2018	MINORS (Ages 8-11)	MAJORS (Ages 12-15)
9:00 - 11:00 AM	<ul style="list-style-type: none"> <li>• Environmental Art</li> <li>• Cartooning</li> </ul>	<ul style="list-style-type: none"> <li>• What Floats Your Boat</li> <li>• Mixed Media</li> </ul>
11:45 AM - 1:45 PM	<ul style="list-style-type: none"> <li>• Mixed Media</li> <li>• Painting</li> </ul>	<ul style="list-style-type: none"> <li>• Jewelry Making</li> <li>• Sculpture with Nature</li> </ul>
2:00 - 4:00 PM	<ul style="list-style-type: none"> <li>• T-Shirt Design</li> <li>• Horticulture</li> </ul>	<ul style="list-style-type: none"> <li>• Cartooning</li> <li>• Photography</li> </ul>

JULY 23 - 27, 2018	MINORS (Ages 8-11)	MAJORS (Ages 12-15)
9:00 - 11:00 AM	<ul style="list-style-type: none"> <li>• Drawing</li> <li>• Collage</li> </ul>	<ul style="list-style-type: none"> <li>• Bridge Building</li> <li>• Painting</li> </ul>
11:45 AM - 1:45 PM	<ul style="list-style-type: none"> <li>• Cartooning</li> <li>• Printmaking</li> </ul>	<ul style="list-style-type: none"> <li>• Use Your Illusion</li> <li>• Sculpture</li> </ul>
2:00 - 4:00 PM	<ul style="list-style-type: none"> <li>• Sculpture</li> <li>• Magical Media</li> </ul>	<ul style="list-style-type: none"> <li>• Cartooning</li> <li>• Digital Photography</li> </ul>

JULY 30 - AUG 3, 2018	MINORS (Ages 8-11)	MAJORS (Ages 12-15)
9:00 - 11:00 AM	<ul style="list-style-type: none"> <li>• Art On The Move</li> <li>• Cartooning</li> </ul>	<ul style="list-style-type: none"> <li>• Smartphoneography</li> <li>• Sculpture</li> </ul>
11:45 AM - 1:45 PM	<ul style="list-style-type: none"> <li>• Learn To Fly</li> <li>• Sculpture</li> </ul>	<ul style="list-style-type: none"> <li>• Drawing</li> <li>• Kitchen Chemistry</li> </ul>
2:00 - 4:00 PM	<ul style="list-style-type: none"> <li>• Mixed-Up Media</li> <li>• Visual Jazz</li> </ul>	<ul style="list-style-type: none"> <li>• Math &amp; Architecture</li> <li>• Sculpture</li> </ul>

# S.T.E.A.M.

## SUMMER COURSE DESCRIPTIONS

### ART ON THE MOVE

In this class YOU are the engineer! Design a vehicle of your choice. It could have wings, wheels, or sails. Students will use a variety of materials to make a special vehicle with its own riders.

### BRIDGE BUILDING

After observing marvels of human engineering, you will design bridges and do some bridge calculations. You will have the enjoyment of building while identifying the forces acting upon them.

### CARTOONING

This introductory course will delve into the art of comic book making! Students will learn how to develop stories and characters, how to design comic pages, various inking techniques, and how to bring it all together to create their own comic!

### COLLAGE

Cut, paste, and paint! Dive into magazines and paper to create a series of pictures, posters, or pages about something important to you. Dream boards, fractured portraits, imaginary places, creatures, or machines!

### DIGITAL PHOTOGRAPHY

Learn the basics of using your digital camera. You need to provide your own digital camera.

### DRAWING

Students develop their ability to look carefully at what they are drawing, to recognize relationships, and to develop their drawings.

### ENVIRONMENTAL ART

Learn how to make fun art using materials from nature. Take an adventure walk outside to collect natural treasures to make a secret garden, stepping-stones, rock jewelry, and more!

### HORTICULTURE

Learn all about plants, their names, how they reproduce, and how to care for them. Work with plants taking cutting and plant an edible herb planter. Make natural soap from herbs and learn the importance of plants in the world.

### JEWELRY MAKING

Using a variety of materials you will design and create your own jewelry. Also learn to make your own beads using polymer clay, paper beads, and more.

### JUNK BOX CREATIONS

Do you want to be an inventor? Use recyclable materials to create useful inventions.

### KITCHEN CHEMISTRY

Did you know you have a science lab in your own home? Learn about atoms, molecules, density, states of matter, and good chemistry as we use everyday items to make fantastic crafts, interesting experiments, and tasty treats.

### LEARN TO FLY

Apply your math skills of measurement and calculation to build artistic kites that really fly. Learn how kites work, what shapes are most desirable, and why kites need tails and strings. Explore the elements of color and design to decorate your kite. Build a wind measuring tool and finally test fly your kite.

### MAGICAL MEDIA

You will use paper in several different creative ways including 3-D sculptures, mobiles, and wall hangings. Also, explore the world of basket making and painting on fabric, including t-shirts. Please bring 2 prewashed plain white t-shirts.

### MATH AND ARCHITECTURE

Combine mathematics, art, and architecture to create buildings. You will create plans for a building of your design and then use a variety of materials to bring your building to life with a 3D model.

### TUITION

\$125 PER CLASS FOR ONE WEEK  
\$280 PER WEEK OF FULL DAY CLASSES

### REGISTRATION

[WWW.MONTSERRAT.EDU/YOUTH](http://WWW.MONTSERRAT.EDU/YOUTH)

### MIXED UP MEDIA

Students will work with a variety of traditional and non-traditional mediums, focusing on drawing, painting, collage and printmaking techniques.

### PAINTING

Introduces a variety of painting techniques. Students produce exercises and finished canvases on a variety of subjects and are encouraged to create their own solutions and to choose subject matter. They will develop critical skills for evaluating their own work and that of others.

### PRINTMAKING

Design and create your own product line: notebooks, custom stationary, gift wrap, patterned fabric and more using screen printing, stamping and stencil techniques. Learn basic design principles and be inspired by artists working in both Fine Arts and Graphic Design fields.

### SMARTPHONEOGRAPHY

SmartPhoneography is the latest photography trend to hit full stride in the art world. It challenges photographers to take high quality photos with their Phone, and to turn everyday moments into works of art. The perks of using the iPhone camera instead of a DSLR are intriguing.

### SCIENCE APPRENTICE

Do you want to be a scientist? Learn about chemistry, physics, biology, and more as you explore different science topics and perform experiments that tie science and art together.

### SCULPTING WITH NATURE

This course will begin in the classroom with an inspirational introduction to recognizable works of art, move towards construction techniques, and finally travel outside where students will be interacting with nature in its rawest form.

### SCULPTURE

Young artists in this workshop will create an array of fantastic and functional art: bowls, lidded jars, and tiles drawing upon themes from nature, fairy tales, or popular culture... birds & animals...flowers & people! Through these fun and creative projects students will learn all the basics of hand-built sculpting in clay, while learning concepts of form and functionality. Freedom of expression, creativity, and constructing skills are stressed.

### TESSELLATIONS: GEOMETRIC ART

Exploring tessellations through a cross-disciplinary STEAM approach helps kids relate learning to the real world. When students are given the opportunity to recognize geometric shapes, mathematical relationships, and engineer the tessellating patterns, they can then begin to apply newly gained knowledge and critical thinking skills to problems they encounter in their own world!

### T-SHIRT DESIGN

Use fabric paint, tie-dye and batik to design one of a kind creations. All students must provide five prewashed, 100% cotton t-shirts to decorate.

### USE YOUR ILLUSION

Introductory class will help get your artistic students "hooked" on geometry. After examining many uses of optical illusion in architecture, mathematics, and visual art, students will gain a greater understanding of how certain sequences can be utilized to create their own optical illusions.

### VISUAL JAZZ

Make connections from sound to images. Use memories as subject matter for a collage. Find pictures from magazines, drawings, paintings, photos, fabrics and other materials to make an interesting composition related to sounds of your life.

### WHAT FLOATS YOUR BOAT?

Have you ever wondered how a ship made of steel can float? In this class students will make little "boats" out of a variety of materials to investigate the science behind it all.

All educational and non-academic programs, activities and employment opportunities are offered without regard to race, color, sex, religion, national origin, ethnicity, sexual orientation, gender identity, homelessness, age and/or disability, and any other class characteristics protected by law.

### LOCATION

248 CABOT STREET, BEVERLY, MA

Classes are taught by Montserrat and North Shore Faculty and Teachers.

### SUPPORTER OF DEEP

(DANVERS EDUCATIONAL ENRICHMENT PARTNERSHIP)



Montserrat College of Art's Youth S.T.E.A.M. Camps are summer courses for youth ages 8-15 to experience hands-on learning in a safe, supervised environment, led by professional faculty from educational institutions on the North Shore and beyond.

S.T.E.A.M. (Science, Technology, Engineering, Art, and Math) classes incorporate creativity, problem-solving, collaboration, and presentation. The courses begin on a rolling basis throughout the summer, starting on July 9 at Montserrat College of Art's building in downtown Beverly at 248 Cabot Street.

### REGISTER AT

[WWW.MONTSERRAT.EDU/YOUTH](http://WWW.MONTSERRAT.EDU/YOUTH)

**Montserrat College**  
of Art  
where creativity works™

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