

A Summer Science and Math Enrichment Program for Children Entering Grades 1-8

Super Science, Inc.

a non-profit 501(c)(3) STEM education organization

July 10-14 and July 17-21

"Just wanted to drop a note to rave about the fabulous job you do with Super Science! My husband (who teaches middle school) and I could not be happier with the content, structure and fun, yet professional manner in which the program is run. Our daughter (Grade 1) LOVED it! It further ignited her natural passion for science. We will be back next year!!" Kelly and Mike Kelly



"Thank You! My daughter couldn't wait to tell us everything that she did in Science Class each day. Her enthusiasm and excitement were priceless! Thank you for providing such a wonderful experience. We look forward to next year!" - Cienna's mom

STEM
Classes
Available



"I would love to recommend this STEM program to other parents. I know that our homeschooler community would absolutely love Super Science as much as my boys have. We will be back next year! Thank you for being so attentive to detail in being sure the experience was something not only to remember, but science knowledge that will stay with my children for a lifetime." - Gwendlelynn Touballs

2017

New Milford High School
Rte. 7 New Milford

For more information

Phone: (203) 297-2626 Fax: (203) 364-1814

Program Director:
Laurena McCarthy

You can now register and pay online using Paypal or a credit card!

Super Science is a two week summer enrichment program designed to provide an engaging atmosphere in both science and math. The courses will allow students an opportunity to explore the wonders of science and math through creative and exciting hands on activities. This non-conventional method of teaching will build higher order thinking skills along with creating a challenging environment in which the participants can enhance their knowledge. All classes are taught by certified teachers who are enthusiastic and dedicated to forming young scientific minds for the future.

See our website for up to date class availability

SuperScienceEnrichment.com

Eligibility: All students entering grades 1-8 in the fall of 2017 are eligible to register for **Super Science** courses. Students must provide evidence of functioning well through consistent effort as reported on their current report card, including teacher comments. The child must also show a strong interest in the area of science and perform well in group settings. Please attach the most recent report card with registration. Enrollment will be limited to 20 students per class and will be filled on a first come first served basis. Classes will be set the last week of May and confirmations will be sent out the first week of June. Registrations will be accepted after this only if there is space in the class as noted on the availability of spaces on the website.

Course Sessions and Times: For most courses there will be two sessions. The morning session runs from 9:00 a.m. until 12:00 p.m. The afternoon session begins at 1:00 p.m. and ends at 4:00 p.m. Some classes are one week long while others run for two weeks. Please check course description for course information and available sessions.

Fees: Fees range from \$200 to \$320. All prices include a \$100 non-refundable deposit which is deducted from the total class cost and is absolutely required to hold your place in the class of choice. Fees are listed under the course descriptions. Returned check fee is \$25.00

Refunds: Deposits are non-refundable unless the classes selected are full. All eligibility requirements must be met. No refunds will be given if a child is removed from the program by the teacher or program directors due to behavior.

Medical Staff: Super Science has a registered, full-time nurse on staff.

Before and After Program Care: For a cost of \$6.00 per day your child may stay from 12:00-1:00. Children not enrolled in an afternoon course must be picked up promptly by 1:00. Children taking both morning and afternoon courses will receive free child care during this time. All children will be escorted to and from lunch at this time by **Super Science** staff. Lunch is not provided by **Super Science**.

Sibling Discount: 10% off the lower class cost. Each additional sibling is 15% off.

STEM Course Selections

Sessions run from 9-12 for AM classes and 1-4 for PM classes. Class options for your child are based on the grade that your child is going into in the fall of 2017. So if your child is going into 3rd grade in the fall, they may take any class that has a 3rd grade option. All classes are repeated yearly with some modifications made to the curriculum.

Dinosaurs, Fossils And Rocks Grade 1

Young paleontologists will experience dinosaurs and journey into their world illuminating dinosaurs origins, appearances, and habitats. Your archeologists will uncover and identify fossils. Inquisitive geologists will be digging up and identifying gemstones as they excavate the land. A fossil hunt, making a replica of a T-Rex tooth, and mining rocks and fluorescent minerals are just a sampling of what is offered in this class.

Week 2 AM or PM One week class cost: \$200

Space Grade 1

Calling all cadets! If you would like to spend a week exploring our solar system, then this class is for you. Tumble through the atmosphere, bounce on the moon, experience your being on another planet while stopping to see the International Space Station for a good nights rest simulation on the way. Make and eat your own space food, create a real comet, design a model of the solar system, and launch a rocket. If the sun, moon, and stars are what excite you, then come on board our rocket ship and explore the fascinating universe. We are certain that this course will take you out of this world!

One week class cost: \$200

Zoology Grades 1, 2

In this Zoology 101 class, children will see and learn about animals by interacting, feeding, and caring for a variety of species brought to us by a certified zoologist. Children will become zookeepers as they handle, feed, and learn how to care for those creatures that they love. The ultimate animal experience will be had as they go "behind the scenes" with a certified "Animal Specialist". Animal lovers will explore, in-depth, different species and wildlife issues. Additionally, the children will go on a habitat hunt outside and experiment with animal movements. Living versus nonliving, animal body structure, social structure, and defenses are some of the topics that they will experiment with to help them understand the characteristics of various creatures. Young zoologists will learn how they can help animals survive and through experimentation, they will see the importance of protecting some of our most precious creatures.

One week class cost: \$200

Science Wonders Grades 1, 2

Fuel the imagination of your children and get ready for exciting adventures through the many wonders of science. By studying water, magnets, rock crystals and more, children will explore how objects relate to their everyday life. Begin by exploring surface tension, sinking and floating, chemical reactions, and the effects of H₂O. Observe the strength of a magnet and watch crystals grow in different forms. Each day participate in exciting hands on experiments and find that the results may be just the opposite of your hypothesis. Get ready as junior scientists will be introduced to amazing scientific properties!

One week class cost: \$200

Environmental Science Grades 2, 3

Come and explore the fascinating world we live in. During this exciting one week course we will become entomologists, biologists, and meteorologists. We will search for different kinds of bugs and insects. We will even get to build a worm farm! The children will investigate various animals, their habitats, and learn about their importance in our environment. As meteorologists, we will be exploring tornados, hurricanes, and other weather conditions. During this course, your young scientist will be exposed to a variety of delicate species that exist in our environment. They will have a greater knowledge and a deeper appreciation for the incredible world we live in.

One week class cost: \$200

Science Connections Grades 2, 3

The students in this course will be exposed to a wide variety of scientific topics through exciting experiments and beautiful children's literature. We will use air pressure to experiment with balloon rockets and make objects move, fly, and even grow. They will learn how to balance on a tight rope by understanding the concept of gravity, examine the effects of water on polymers using awesome alligators, and explore the effects of the sun's heat and light by making our own prisms and kaleidoscopes. Dive into a new topic each day with thrilling experiments that will be sure to mold the minds of these young learners into future scientists.

One week class cost: \$200

Connecting Art and Science**Grades 2, 3**

The worlds of art and science come together in this creative class. The students will learn about the properties of materials that sink and float by creating their own artistic stationary, make paper from pulp and cast a bowl, design sculptures using a variety of art mediums, and make a rain stick as we learn about the importance of the rain forests. This unique course will be sure to leave your young artist begging for more!

 One week class cost: \$200
Chemistry**Grades 3, 4**

Acids and bases and magic oh my! This thrilling two week class will explore the magical science - chemistry. We'll explore polymers, acids, bases, chromatography, chemical reactions, and much more. Most of our exciting experiments can be easily reproduced at home with simple ingredients found at the grocery store. Join us for some amazing, slip sliding, color changing fun!

 Two week class cost: \$320
Physical Science**Grades 3, 4**

Say you're bored with nothing to do this summer, then discover physics in the things of your everyday life! Learn the shocking truth about electricity! You will have the chance to build an electromagnet and even make a battery to use in your own electrical circuit. Ever been interested in rockets? Learn about rocket propulsion by building and launching your own water bottle rockets. Investigate air pressure and forces by creating your own Cartesian Divers, rubber band cars, hovercrafts, and hot air balloons. Make catapults and learn about the scientific method by designing your own egg drop vehicle.

 Two week class cost: \$320
Human Biology**Grades 4, 5, 6**

Get ready for an amazing journey through the human body. From bones to breathing, travel through the systems of the human body as we explore the importance of muscles, the brain, our heart, lungs, stomach, and more, that work together to keep your body running. As the skeleton is built you will perform experiments that show how vital organs in the human body need to operate to function correctly. Explore the food pyramid, gaining knowledge to keep your body healthy and learn what a balanced nutritional meal should be. Join us for a breath taking, heart stopping week of fun-filled experiments and activities that even include the use of preserved lungs and other once living material.

Week 1 AM or PM

One week class cost: \$200

Connecting Math and Science**Gr. 4,5,6**

Math + Science = FUN!! Investigate the wonderful world of math and science. Float through the day exploring the dynamics of bubbles. Fly through sky creating airplanes using Bernoulli's principle! Come and build electrical circuits. This program will highlight problem solving & logical thinking, while linking amazing topics to all hands-on science experiments.

 One week class cost:\$200
ROBOTIC LEGOS**Grades 5, 6, 7**

Students will investigate and construct robotic machines out of LEGOS. They will learn to use LEGO software in order to write programs for their robotic machines. Children will be problem solving, designing and programming more advanced machines in order to navigate an obstacle course.

Week 1 AM or PM

One week class cost: \$210

Intermediate ROBOTIC LEGOS**Gr. 5, 6, 7**

Students will continue to investigate the power of programming by designing more advanced robotics utilizing more sensors and making sense of discreet software capabilities. This course is very software program intensive. Students must be familiar with basic programming from Robotics I. This course will teach project development and problem solving strategies in programming and construction of robotic LEGOS.

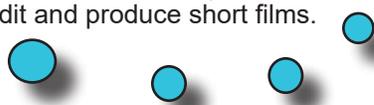
Week 2 AM or PM

 One week class cost: \$210
Advanced Chemistry**Grades 5, 6**

Come on a journey of chemical reactions. In this chemistry class, you will produce various polymers such as super balls and silly putty. You will be tie-dyeing, soap making, and understanding how products are created by making them yourself. Have fun bringing these items home and using them. If you like mixing things up, join this exciting class for many reactions!

 Two week class cost: \$320
Animation**Grades 6, 7, 8**

In this course, students will learn the science of how animation works through hands-on projects. Each student will create her/his own simple animations, such as "flip-o-ramas," flipbooks, thaumatropes, and zoetropes. Students will go through the actual process of creating a cartoon, from concept to storyboard. The class will move onto a creation of a short animated film with original scenes and characters. They will capture the rendered movement within each scene using digital media that will be edited using common computer software. Audio tracks will be recorded and added to the movie to complete the process. Each student will walk away with a finished product and the knowledge of how to create, write, illustrate, direct, animate, edit and add sound effects to an animated short film. This year students will also spend the last few days learning how to film, edit and produce short films.

 Two week class cost: \$320
Forensic Science**Grades 6, 7, 8**

Solve crimes using blood and fingerprint analysis. Join the ranks of super sleuths as you experience crime scene investigations first hand. Forensic Science has solved some of the most famous crimes in history and you will too! Learn to take fingerprints, collect evidence, make plaster casts, type blood, and detect art forgeries in this fast paced class. You will be fascinated by guest speakers and gain insight into their exciting jobs. You will tour a local police crime van and discover how the real detectives solve the most challenging crimes.

 Two week class cost: \$320
Microscopic Biology**Grades 7, 8**

Have you ever wondered what critters lurk under your fingernails or in the foods you eat? Sample the micro beings that swim with you in your favorite lakes and ponds. Investigate how a real hospital lab finds and identifies these "animalcules". Observe the smallest working parts of all the living machinery. Study the unimaginable miniparts of your human self. Visit the homes of many bacteria that touch our bodies everyday. Use one of the oldest scientific tools known to biologists and see how modern day technology has improved on this original design. Microscopic Biology will allow you to go where you have never gone before.

AM only

 Two week class cost: \$320

Super Science Registration Form

For online registration using Paypal please visit
SuperScienceEnrichment.com
Other forms of payment include bank, cashier or personal checks

Please fill out a separate registration form for each child.
Additional forms can be found at **SuperScienceEnrichment.com**

Child's Name: _____ Child's DOB ____ / ____ / ____
Address: _____ City: _____ State: _____ Zip Code: _____
Parent/ Guardian Name: _____ Phone Number (H) _____ (W) _____
(Cell) _____ Email Address: _____
School Name: _____ Teacher's Name: _____
Grade level in Sept. 2017: _____ **Shirt Size: YS YM YL AS AM AL AXL (Circle one)**

I am interested in registering my child for: _____ 1 Class _____ 2 Classes _____ 3 Classes _____ 4 Classes

For registration to be complete, the **No Fault Liability Clause** must be filled out.

You can get this by going to SuperScienceEnrichment.com

Children enrolled in consecutive morning and afternoon classes will receive free child care between classes.

Each child will receive a Super Science t-shirt.

1st Class

1st choice _____ AM/PM 2nd choice _____ AM/PM
Course name and session time circle one Course name and session time circle one
July 10-14 / July 17-21 July 10-14 / July 17-21

One week sessions- please note: Circle the week you would like to attend for each choice above.

2nd Class

1st choice _____ AM/PM 2nd choice _____ AM/PM
Course name and session time circle one Course name and session time circle one
July 10-14 / July 17-21 July 10-14 / July 17-21

One week sessions- please note: Circle the week you would like to attend for each choice above.

Please return completed registration form with a **\$100.00 non-refundable deposit for each class** to reserve a space. (This \$100.00 deposit will be applied toward the class cost.) The most recent report card (second or third marking period) must be received with your registration.

Make checks payable & return to: **Super Science, Inc.**
42 Mt. Pleasant Rd.
Newtown, CT 06470

Are you interested in car pooling with other parents in your area? _____ Yes _____ No
(If you checked yes, your name and number will be added to a list with other parents interested in your area. This list will be emailed to you with your confirmation in June.)

Super Science, Inc. is a non-profit organization and maintains an equal opportunity policy. Super Science does not discriminate based upon race, color, religion, gender, nationality, or ethnic origin.

OFFICE USE ONLY:

DATE RECEIVED:

Contact Date:

Comments: