



Traveling Science Programs

Elementary Program Offerings-Theme Programs

Thank you so much for inquiring about Sci-Quest's Traveling Science programs. Sci-Quest is excited at the prospect of developing a relationship with you and your students to inspire them to have a love of science.

Sci-Quest offers sets of multi session themed programs. These programs are designed to go into greater depth in a single subject. Each session will build on the previous experience and are perfect for groups who want a more in-depth experience for their students. The following is a list of program offering that we think would be appropriate for your needs. This is by no means a complete list, so if you have an interest in a specific subject or item, please let us know and we will be happy to check the catalogue for a program that fits.

Biology and Life Sciences

All About Me

Your child is special from their head to their toes. Join us as we investigate the function of teeth, the brain, and the heart. We'll also learn how to keep ourselves healthy and strong through proper nutrition and exercise. Your child is sure to appreciate all the things their amazing and unique bodies can do.

Topic
Bones and Muscles
Heart and Blood
Nutrition and Digestion
Brain and Nerves

Creepy Crawly Creatures

Eww...it's so creepy. Your child will be squealing with surprise and delight as we enter the hidden world of creepy crawlly things that is living in their own backyard. See live insects, touch an earthworm and discover how being dirty can be a good thing. You child will never look at their backyard the same way again!



Topic

Insects

Rolly Pollies

Spiders

Earthworms

Itsy Bitsy Science

From germs to sand, there is a whole world unseen by the human eye. Let's zoom-in with magnifiers and microscopes as we explore super small science.

Topic

I Spy and Magnify

Life in a Drop of Water

Microscope Marvels

Nano Science-Beyond the Microscope

Nature's Engineers

Animals are amazing architects; they burrow, weave, shape and sculpt. Join us as we check out a few amazing constructions animals create for themselves and their young. Become a busy be, create an edible nest, simulate spider silk and build a beaver dam.

Topic

Animal Homes

Animal Towns

Animal Traps

Plant Power

Plants are so much more than just a green thing in your backyard. Join us as we grow plants in unusual ways and places, create some cool experiments and make some plant models to take home.

Topic

Plant Anatomy and start
projects

Hydroponics

Herbs and Flowers



Pet Scientists

Come learn about amazing pets and what it takes to keep them healthy. Your child will learn about how animals sense the world, pet first aid, give pet exams, look at X-rays, and even see some live exotic animal pets. It's sure to be a howling and purring good time!

Topic

Pet Senses

Pet First Aid*

Exotic Pets

*Students are asked to please bring a stuffed animal to this program

The Doctor Is In

Come join as we take a look at what makes your body special, why you get sick and how doctors help us feel better. View x-rays and skeletons see sheep heart and brains, learn how germs travel and meet a real doctor or nurse. Your budding doctor or nurse will be surely excited to learn to health science.

Topic

Skeletal System

Circulatory System

Digestive System

Nervous System

Chemistry and Material Sciences

Candy-ology

It's a scientific sugar rush as we explore the science of candy! Explode marshmallows, eat a plant extract that will mess with your taste buds and make some crazy candy of your own. This camp is a tasty treat of chemistry, food science and physics.

Topic



Candy and Crystals

Caramels and Gummies

Taffy and Lollipops

Crazy Candy

CSI: Cool Science Investigations

Come with Sci-Quest educators for a real who-dunnit, as we put the science of forensics to work. Young investigators will use ballistics, DNA, and other types of evidence as they identify the victim and then solve the crime.

Topic

Fingerprinting

Hair and Fibers

Blood Typing

Solving the Crime

Edible Experiments

Mad scientists turn in their lab coat for an apron as we hit the kitchen for some food based science. Acids and bases, electricity, and thermodynamics are all fair game as we explore and create. This month is sure to result in some scrumptious science!

Topic

Science of Taste

Kitchen Chemistry

Fruity Fun Experiments

Chocolate Covered Science

Fizz Foam Splatter and Ooze

Join Sci-Quest as we make slime that oozes, bubbles that fizz and all sorts of icky, sticky fun. Your child will learn about all sorts of chemistry and how chemicals can work together to make new and interesting things. We will start the month with everyone's favorite-soda! It will be a oozy groovy good time!

Topic

Soda Pop Science



Bubbles and Foam

Splatter Fun

Slime Time

It's Not Magic, It's Science

Is it magic or is it science? Your little Houdini will create super science spells as we conjure with chemicals, fool the eye with illusions, and sneak in slight-of-hand. Be ready to be mesmerized by your mini-magician!

Topic

Presto Change-o Chemistry

Dry Ice Investigations

Optical Illusions

Science Magic Tricks to Learn

Nano, Nano

What's the big deal with nanotechnology? It seems that substances act in surprising ways as they get smaller. Nanotechnology allows scientists to study and manipulate materials on the molecular level. Explore the stain-fighting, water-proofing, gecko-grabbing, computer-processing, and tastebud-tempting technology that is nano!

Topic

What is small?

Nano in Nature

DNA

Nanotechnology

Pop Goes the Science

Your child will be amazed as they discover the science behind balloons, bubbles and other potions that pop. We will learn about the states of matter, air pressure and water pressure, and how to make cool explosions from materials you can find at home. Your child will be popping with excitement.

Topic

States of Matter



Balloon Science

Popping Science

Bubble-ology

Super Sleuths

We've designed this camp for investigative young minds. Join us as we solve the mystery of the taken teddy bear. We'll use the techniques of real scientific investigators as we lift finger prints, analyze crime scene evidence, and put all the clues together to snoop out the stolen stuffy.

Topic

Case of the Mysterious Drawing

Backyard Mysteries

Case of the Vanishing Snowball

Case of the Missing Chicken

Wizard's Lab

Be a part of the magic and learn the science behind your favorite books. Brewing strange concoctions, plotting planetary paths, learning about odd creatures, and transforming everyday objects are just a few of the classes you will attend in our magical adventure.

Topic

Plants and Wands

Medical Magic

Potions

Creature Care

Earth and Space Science

Dangerous Planet

Tornadoes, Earthquakes, Volcanoes oh my! Join Sci-Quest as we take a look at our violent planet and how it changes over time. Learn about how these natural phenomena shape our world and how we can protect ourselves from them.

Topic

Turbulent Planet

sci-Quest

Hands-on Science Center

Earthquakes

Volcanoes

Tornadoes

Dirt Detectives

What's going on beneath your feet? Discover the wonderful world of dirt by learning about the layers of the earth, investigate live earthworms that actually eat dirt and then learn about how to wash up and get clean with the power of soap. Your child will get the scoop on biology and earth science with this program.

Topic

Earth and Erosion

Super Sand

Earthworms

Soap Science

Greetings from Outer Space

Greetings Earthlings! Blast off into outer space as we visit the moons of our solar system, learn how scientists are studying to find life on other planets and make a rocket to explore the galaxy! It's sure to be an extra-terrestrially fun time!

Topic

Solar System Tourists

Stars and Galaxies

Searching for Life

Rocket Design Challenge

Lunar Explorers

Blast off to explore the Moon and planets as we discover what it would be like to live and work in space. Gather information about the Moon and planets and even learn about current and upcoming NASA missions!

Topic

Moon Basics

Moon Geology

Living on the Moon

Fly Me to the Moon



Recycle, Renew and Reuse

Children will have a terrific time turning trash into treasures. Join us as we learn about the 3 R's of conservation: **R**educe, **R**euse, and **R**ecycle. It's never too early to make our world a healthier and happier place

Topic
3R's: Reduce, Reuse and Recycle
Plastic Investigations
Trash to Treasure

Treasure Trek

Ahoy, mates! Join us as we sail the ocean blue and look for treasure chests and pirates. Children will learn how to tie sailors' knots, make treasure boxes, treasure maps, a compass, and more. Your child is sure to have a week that they will "treasure".

Topic
The Ocean Deep
Sailing the High Seas
Compasses and Telescopes
Finding Treasure

Engineering and Design

All Aboard!

"Toot Toot!" Join us as we explore different modes of transportation. Your child will be whisked away by wheels, water and wings. Climb aboard for a fun ride!

Topic
Cars
Boats
Airplanes



Rockets

Crazy Contraptions

Build gadgets and gizmos and invent things that fly, wobble, spin, and roll. Put your creativity to the test as you design everything from duct tape bags, to squishy circuits, to marble movers. Bring your thinking caps and your tinkering talent . . . you're going need them!

Topic

- Ramps and Levers
 - Up and Down All Around
 - Gears and Crews
 - Crazy Contraption Challenge
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Lego Builders

Come join us as we learn the science behind Lego and building structures. Students will learn about teamwork, the scientific and engineering design methods and make some really cool Lego creations!

Topic

- Lego and Newton's Laws
 - Lego and Simple Machines I
 - Lego and Simple Machines II
 - Lego Creators!
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Robot Rampage

If you are just starting off in robotics, this is a great introduction to the wonderful world of robotics! Discover how robots work by constructing LegoMindstorms™ robots and software to learn how robots are programmed and sense the world. We guarantee this program will sharpen your robot skills!

Scratch Programming

This theme introduces students to the essential building blocks behind object-oriented programming through creating fun, interactive stories, and simple games. Learn programming basics with Scratch (a project from the MIT Media Lab) through interactive storytelling. You will think creatively while learning how to program your stories, games, and animations. Take home a copy of your own game at the end of the week. If your child is into computers, this camp could be the start of something BIG. NOTE: Site will need to provide computers for this program.



Start Your Engines

Buckle your seatbelts as science fun roars into motion! Discover the variety of ways to get around. Experiment with balloons, rubber bands and more to make your own race worthy vehicle. Learn how race cars are designed and make your own to try out in our mini wind tunnel.

Topic
Car Basics
Gears and Energy
Car Building I
Car Building II

Think, Plan Build

Be an engineer, think a problem through, plan what you want to do, and then do it. Learn the steps that every engineer must go through when facing a new challenge. Be creative, participate in design challenges, and build things that move, shake and shimmy!

Topic
Invention and Engineering
Twirling in the Breeze
Fling it
Cardboard Automata

Tomorrowland

What will the world be like in 50 years? Who would want to live there? Can we design a city that makes people happy? Join us as we challenge campers to become civil engineers, car designers and architects of the future. Along the way we will learn about engineering design, electricity, energy and more as we learn the science and then design a world from their own imagination.

Topic
What Does a City Need?
Solar and Wind Energy
Make a Happy City



Up, Up and Away

Have you ever wondered what makes things fly? Why don't planes flap like a bird? Learn what makes a plane and plane as we investigate the forces of flight, different kinds of planes, and the basics of navigation. We will be up, up, and away with this adventurous month of science.

Topic
Basics of Flight
Airplanes
Helicopters
Plane Design Challenge

Physical Sciences

It's Electric

Sparks will fly in this shocking camp all about electricity. What are electrons and what do magnets have to do with all of this anyway? Learn the answer to these questions and more as you make flashlights, burglar alarms, and light up toys during this illuminating experience!

Topic
What is Electricity?
Static Electricity
Current Electricity
Electromagnetism and Motors

Play Ball

Do you love soccer? How about football? Learn the science behind your favorite sports as you dissect some equipment, make your own bouncy ball, and learn how to improve your game. Put all of your newly found knowledge to work as you hit the bowling alley at the end of the week.

Topic
Kinetic and Potential Energy
Baseball and Tennis
Football



Basketball and Hockey

Tinkering with Toys

Step right up and learn about the science behind some of your favorite toys! Make noisemakers and things that spin, bouncy balls and bobbing birds. Be amazed as these toys teach your child about gravity, balance and physics. Playtime is science time with Sci-Quest!

Topic

Noisemakers

Spinny Things

Bobbing and Bouncing

Balance it

Twinkle and Sparkle

Lots of things light up, sparkle and glow and this month we are going to investigate all the ways in which light is made.

Topic

Chemical Light

Electric Light

Space Light

Multidisciplinary

Around the World with Science

The Earth Under our feet is a awesome place. Join us as we go around the world to discover the science of ancient cultures, landforms and other mysteries.

Topic

Africa



India

Australia

Northern Europe

Dance Party

You are invited to the most epic party of the year. Join us as we mix swag with science as we discover lights, sound, music, muscles and movement. Special guests will even come to help us learn some dance moves too! It's going to be a rockin' good time.

Topic

Light it Up

Got to Move IT

African Grooves

Bollywood Bounce

Math Counts

Grab your pencils, pocket books, and pot holders and let's start counting. Your child will discover that math is at the grocery store, in the kitchen, and everywhere in between. It's sure to add up to a lot of fun!

Topic

Shapes

Patterns

Thanksgiving Theme

Secret Science Agents

Your mission (should you choose to accept it): become a science special agent. Discover how spies use science to keep—or uncover—top secrets. Learn how to master Morse code, make disguises, and even build devices to see and hear through walls!

Topic

Disguises

Secret Codes

Spy Gadgets



Superhero Science

Your children will be up, up and away with excitement this program that explores the science behind your favorite superheroes. Is it possible to cling to a wall? Could someone have the power of x-ray vision? What about flying? Using physics, engineering and chemistry we will explore the possibilities of these amazing feats.

Topic
Spiderman
Superman and Batman
X-Men
The Avengers