

Itty Bitty Scientists

Itty Bitty Outreach is a fun, traveling science program designed for Little Learners! Your class will get the chance to become Itty Bitty Scientists and explore the world of science from chemistry to marine biology and everything in between within a 30 minute interactive educational program.

Earth and Space Science

- **Journey into Space** – Sci-Port will take your little ones on a journey into space as they become Itty Bitty Astronomers and explore the stars.
- **Smart as a Rock** – Your class will become Itty Bitty Geologists as they observe, sort, and weigh Sci-Port's favorite rocks and minerals.
- **Digging for Dinosaurs** – Are your little learners Itty Bitty Paleontologists? Learn all about dinosaurs as your students dig up chocolate chip "dino fossils" and make dinosaur finger puppets.
- **Making Fossils** – Your Itty Bitty Paleontologists will get to create a fossil from different casts and molds of creatures that lived long ago.
- **Which Way the Wind Blows** – Your Itty Bitty meteorologist will explore the mysteries of the wind while performing a read aloud and constructing a pinwheel to take home.

Life Science

- **Birds and Worms** – Your Itty Bitty Zoologists will discover the value of protective coloration or camouflage and its importance for survival in the animal kingdom by playing a game where they pretend to be birds in search of colored worms for food.
- **Silly Snakes** – After Identifying patterns they see in everyday life including those in nature your Itty Bitty Zoologists will assemble their own snake using a variety of colors and shapes.
- **Terrific Turtles** – Your Itty Bitty Zoologist will learn all about turtles including seeing a live box turtle, hearing the story of Yertle the Turtle and then make their own turtle to decorate and take home.
- **The Rainforest Game** – Your Itty Bitty Biologist will discover the wonders of rainforests and the diversity of the elements they contain along with the interactions of these elements and how they maintain a balance.
- **Wildlife Adventure** – This program provides the opportunity for young learners to become Itty Bitty Zoologists for the day. With the help of Sci-Port's animals, little learners will explore Louisiana wildlife, feel animal furs and take an animal mask home to color and wear!
- **How does Your Garden Grow** – Your Itty Bitty Botanist will learn about the six parts of a plant using song and dance. They will build a plant made of these parts and learn about plant's functions and how they are used as food.
- **Cute as a Ladybug** – Your class will become Itty Bitty Entomologist as they explore the world of insects and learn all about one very popular and well known insect the ladybug. The class will listen to a read aloud about ladybugs and make their own ladybug to take home.
- **Itsy Bitsy Spider** – Your class will get to be Itty Bitty Entomologists as they learn about spiders. They will create and discover the parts of a spider while performing a read aloud of *The Very Busy Spider* by Eric Carle.
- **Why so Shy? Butterfly** – Your Itty Bitty Entomologists will learn about how insects hide by making their own butterfly, as we read *How to Hide a Butterfly* by Ruth Heller. They will practice their emergent skills such as cutting and coloring.
- **Fishing by Numbers** – Itty Bitty Marine Biologists will catch fish using a magnetic "fishing pole." The fish will be sorted and counted according to size and color.
- **Ocean Life Adventures** – Itty Bitty Marine Biologists will compare salt water and fresh water ecosystems and discuss the animals that live in each while using their five senses to conduct observations.

Itty Bitty Scientists cont.

- **The Journey of Germs** – Your class will get to become Itty Bitty Microbiologists as they explore the gross world of germs and how they can easily be spread from one person to another. To fight the spread of germs the children will learn and practice hand washing techniques.

Physical Science

- **Bubble-ology** – Your Itty Bitty Chemist will have the opportunity to explore the science behind the bubble, how bubbles are created, and create their own bubbles of all sizes.
- **Pop Fizz** – A demonstration which provides your Itty Bitty Chemists with the opportunity to observe some chemical reactions that create “pops” and “fizzes”.
- **The Shape of Things** – Your class will become Itty Bitty Engineers as they learn to identify basic shapes that they see and use in everyday life and assemble their own shape by using the characteristics they have learned.
- **Straw Rockets** – Your Itty Bitty Engineers will get a chance to be Rocket Scientists for the day! They will construct and launch their own straw rockets. After everyone has successfully launched their rockets the program will end with an exciting and trilling launch of one of Sci-Port’s rockets!
- **Float or Sink** – There are objects in our environment that sink in water, whereas others float. This program will allow your Itty Bitty Physicists to discover the concepts of sinking and floating and allow them to predict, test, and observe details in an experiment.
- **Color My World** – Rainbows are one of the world’s greatest mysteries! While learning about colors your Itty Bitty Physicists investigate and discover the properties of light.
- **Sound of Music** – Your Itty Bitty Physicists will learn the science of sound as they use unconventional items as instruments to tell a rhyming story and explore sound by feeling and seeing vibrations, practicing patterns with a drum and learning new rhythms with shakers.