

hightouch hightech



50 Minute Hands-On Science Programs WE COME TO YOU!

High Touch High Tech has served students around the globe for 25 years, and is firmly established as an innovative world leader in hands-on science programming for children. We are fully committed to creating a passion for science in children, and accomplish this mission every day through direct, completely interactive, relevant, hands-on science experiences that come directly into your classroom. We are...Science Made FUN!

We provide all equipment and materials in this supply intensive, educational and FUN experience. Students receive a Science Certificate/Journal and/or take home science experiments. Program fees are usually paid for by parents or the PTA/PTO. High Touch High Tech programs may also be paid for with grant dollars.

Pricing for our 50 Minute Programs:

Minimum fee per class - \$108.00 for up to 18 students / \$6.00 for each additional student.

School Wide Special:

Minimum fee per class- \$90.00 for up to 18 students / \$5.00 for each additional student.

PLEASE NOTE:

- A **MINIMUM** of 3 classes per day is required. Each Scientist can conduct up to 6 classes per day.
- Palm Beach County Teachers: We are happy to help with Consultant Agreement paperwork!
- Classes must be conducted with no longer than 5-10 minutes in between each one.
- High Touch High Tech is compliant with Palm Beach, Broward, Miami-Dade and Martin County guidelines for fingerprinting and background checks.
- Each teacher will receive a list of the Next Generation Sunshine State Standards as they relate to selected programs.
- Exciting and engaging programs for special needs children are also available.
- There is a \$40.00 travel fee per visit to Miami-Dade, Martin County and Belle Glade area schools.

When making your reservation please be prepared to provide the following information:

- Number of Classes
- Program Name
- Preferred time for each 50-minute class
- Number of Children per class
- Preferred Date(s)

All programs are S.T.E.A.M. driven in order to heighten the impact of the learning experience.

We are Proudly providing hands-on science education to all of South Florida for the past 22 years!

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ELEMENTARY 50 MINUTE PROGRAM GUIDE 2017-2018



High Touch High Tech of South Florida

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www.facebook.com/hthtsfl

The Nature of Science is addressed in ALL High Touch High Tech programs

EARTH & SPACE SCIENCE

Dinosaurs- Learn about extinction, dig for fossils and make a fossil replica that you keep.

Natural Disasters- Study earthquakes, tornadoes and volcanoes and erupt volcanoes in your class. Take home some volcanic ejecta.

Oceans- Study coral, sponges and seashells. Learn about weathering and erosion and make your own Coral Reef.

Recycling- Explore recycling and the 3-R's. Have a hands-on look at one of nature's most awesome decomposer. Make your own recycled paper.

Rocks & Minerals- Pan for real gems that we can keep. Study their special qualities as we learn to classify our treasures.

Seasons- Learn why we have seasons and see it with your own eyes. Learn about mammals keeping warm and make an Arctic Habitat to keep.

Space- Explore our Solar System and work with the forces that keep our planets in their orbits. Launch mini rockets and take home a helicopter.

Weather- Learn about air pressure, air movement and The Water Cycle and make them happen in your classroom. Take home a cool lightening experiment to conduct at home!



PHYSICAL SCIENCE

Chemistry- Study chemicals and how they behave. Observe chemical and physical changes and make our own polymer.

Electricity- Explore static and current electricity. Build circuits as we make doorbells ring and light bulbs light up! Take home your static electricity experiment.

Light- Explore ROY G. BIV. Learn about refraction, reflection, light energy & heat energy. Make an ultraviolet detecting keychain to keep.

Magnets- Learn about attract, repel, magnetic fields, electro magnets and more. Make a magnet to keep.

Matter- Explore the 3 states of matter. Learn about matter taking up space and having mass. Change matter from one state to another.

Measurement- Work with several scientific tools to measure mass, volume, temperature and more. Take home your own measuring tool.

Physics- Study gravity, inertia, action/reaction and more. Learn about Newton's Laws of Motion and take home an eye popper and spinner.

Scientific Method- Students will learn the steps that scientists use to problem solve with our FUN "White Mystery Powder" experiment. Take home your very own magnifier.

Simple Machines- Study the 6 simple machines that make work easier. We'll work with all of them and take home a cool spinner.

Sound- Learn about vibrations, sound waves and how our ears hear sounds. Take home a kazoo.

LIFE SCIENCE

Animal Adaptation- Explore many bird adaptations and make your own bird's nest.

Brains- Learn about this vital organ. Study our reflexes and make a neuron to keep!

Cells- Study cellular structure and function. Explore osmosis and make a cell model to keep.

Five Senses- Learn about each of our senses and how our brain gives meaning to what we see, hear, smell, taste and touch. Take home COOL heat sensitive paper.

Food Chains- Explore predator and prey relationships. See how energy moves around the Food Web. Dissect an owl pellet.

Forensics- Build an edible model of DNA and see the amazing Double Helix. We will study our fingerprints and take home a magnifier.

Germs- See what germs look like and how they move. Learn how to protect yourself from getting sick and make your own germ.

Habitats- Explore the essentials for a successful habitat and use materials provided to make your own bird's nest.

Human Body- Study several systems of our body including digestion and circulation, and learn what makes us "tick".

Insects- Look at the world through compound "eyes". Learn some insect adaptations and have a look at real insects and take one home.

Lifecycles- Explore the lifecycles of several animals and create a beautiful Lifecycle of a Butterfly to keep.

Nutrition- Navigate around the NEW "My Plate" as we learn about different foods. Learn about digestion as we conduct this chemical change.

Plants- Dissect a seed and learn about photosynthesis. Make your very own biome to keep.

Rainforests- Learn about the locations and layers of Tropical Rainforests. Make your own rainforest model to keep.