

## hightouch hightech



### 90 Minute Programs

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 educational handouts 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 90 Minute Programs: Kindergarten-5<sup>th</sup>. Grade

**Minimum fee per class** - \$144.00 for up to 18 students / \$8.00 for each additional student.

**School-Wide / \*Early Booking:**  
**Minimum fee per class** - \$126.00 for up to 18 students / \$7.00 for each additional student. (\*Early Booking - Program must be conducted during the months of August & September)

### PLEASE NOTE:

- Each Scientist can conduct up to 3 classes per day
- A MINIMUM of 2 classes per day is required
- Classes must be conducted with no longer than 15 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.
- There is a \$40.00 travel fee per visit to Miami-Dade, Martin County and Belle Glade area schools.
- Exciting and engaging programs for special needs children are also available.

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

- Number of Classes
- Program Name
- Preferred time for each 90-minute class
- Number of Children per class
- Preferred Date(s)

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

**We continue to integrate Standards for Mathematical Practices and Reading Standards for Informational Text in many of our programs.**

## hightouch hightech Science Made Fun!

### ELEMENTARY 90 MINUTE PROGRAM GUIDE 2017-2018



**High Touch High Tech of  
South Florida**  
8100 Belvedere Rd., Unit 2  
West Palm Beach, FL 33411

Online: [www.ScienceMadeFunSFL.net](http://www.ScienceMadeFunSFL.net)  
Email: [info@scienceMadeFunSFL.net](mailto:info@scienceMadeFunSFL.net)  
or call us at:  
Call us at 800.639.7923



[www.facebook.com/hthtsfl](http://www.facebook.com/hthtsfl)

## KINDERGARTEN - 2<sup>nd</sup>. GRADE

**Adaptation Station**© (Life) - Journey through the earth's extreme environments. Have FUN as we see how animals and plants adapt to these climates. Make your very own desert habitat.

**Amazing Amazon**© (Life, Earth & Space) - Discover the importance of Tropical Rainforests. Catch some rays as we explore the Sun's Energy. Learn why we have seasons. Take a dip into the water cycle and touch a real cloud. Make a Rainforest model to keep.

**Chemfun**© (Physical) - Find out how much FUN Chemistry can be! Conduct a chromatography experiment and watch colors separate before your very eyes. Make your own "gooney" stuff and gummy drop candy as we learn real chemistry.

**Dig It**© (Earth & Space) - Step into the world of Geology. Recognize that Earth is made up of rocks & rocks come in many sizes & shapes. Pan for real gems and keep what you find. Perform acid tests and more as we classify our gems. Find out why these gems are so precious.

**Earthworks**© (Life, Earth & Space) - Explore our planet's wonderful resources. Journey through our nourishing soil as we get an up-close look at real earthworms. Learn more about the importance of recycling and make your very own recycled paper. (Great program for Earth month)

**Flower POW-er**© (Life) - Discover the power of the flower! Learn why butterflies and bees are so attracted to these beautiful blossoms. Learn about pollination, germination and plant anatomy. Study bee habitats and make an edible bee hive model.

**Germs Make Me Sick**© (Life) - Let's discover how our bodies work. Take a deep breath as we listen to our heart's beat with real stethoscopes. Have a hands-on look at real bones and see how our skeleton gets the job done. Learn about germs and explore how vaccines protect us from getting sick. We'll make our own antigen/antibody model to keep.

**Get Buggy**© (Life) - Discover the incredible world of bugs. See the world through the eyes of bugs, interact with real bugs, make a spider's web and explore the many ways insects and spiders help our world. Take home a living mealworm and watch it transform into a Darkling Beetle.

**Homemade Fun**© (Life) - Explore the world of shelters. Discover many different types of shelters. Build an igloo and bird's nest that you can keep! Learn how animals adapt to their environment.

**Jurassic Jr.**© (Earth & Space) - Step back in time to the age of the dinosaurs. Become a Paleontologist as we dig for real fossils that we keep. Uncover the mysteries of how dinosaurs became extinct. Make your very own fossil replica.

**Let's Make Sense**© (Life) - Have FUN as we make sense out of our senses. Explore our 5 senses, one at a time. Learn how our receptors are connected to our brain and discover how much we rely on our senses.

**Magnet Makers**© (Physical) - Discover the properties of magnetism. Have FUN as we uncover all the "attractive" facts. Explore electromagnets, magnetic fields, make your very own magnet and much more!

**Measure Up!**© (Physical) - Use a variety of tools to observe, measure and analyze data, including balances, thermometers, rulers and more. Experiment with chemicals and predict the exciting outcomes!

**Moovin' & Groovin'**© (Physical) - Simple machines...simplified! Lift the scientist up with one hand! Raise the flag and see how the wedge works wonders. Learn all about forces. Let's reduce the friction as we move and groove.

**Nutty Nutrients**© (Life) - Get the essentials as we learn about the food groups. Have FUN as we test for fat. We will conduct a chemical change experiment as we learn about digestion. Let's navigate around the NEW "My Plate" as we learn how to make healthy choices.

**Reason for the Season**© (Earth & Space) - Explore why the Earth is hot & cold at the same time. Learn about animal adaptation. Investigate each season one at a time and make your own Arctic habitat.

**Sea Ya' Later**© (Life, Earth & Space) - Explore our amazing underwater world. Learn about erosion and weathering and make them happen in your class. Discover the importance of coral reefs and make your very own reef to keep!

**Sounds like FUN**© (Life, physical) - We will study sound and light waves in this high energy program. Let's discover what sounds are and learn how to make different types of sound. We will build an ear drum and make salt dance and water fly! Finally, we'll explore visible light and UV light and make our own UV bead detecting keychain!

**The Real McCoy**© (Physical) - Join us on a fun filled adventure as we discover several very famous African American Scientists. Learn about their incredible contributions to science. Have FUN as we do some cool experiments while honoring these great individuals. (Book this one early!)

**Up, Up & Away**© (Earth & Space) - Learn about forces and motion and what makes things fly. We will explore our solar system and discover the science behind day and night and our wonderful seasons. We'll learn about lift and drag as we launch rockets, make helicopters and discover why what goes up must come down.

**Weather or Not**© (Physical & Earth) - Learn about weather as we take an up close and hands-on look at a tornado. Watch air move as we discover all the amazing properties of air pressure. Touch lightning, make a water cycle model, look at rainbows and much more.

**What's the Matter**© (Physical) - Have FUN as we explore solids, liquids and gases one state at a time. Discover the properties of matter as we weigh and measure it. Find out how cool it is to change states of matter and make our own yummy ice cream!

## 3<sup>rd</sup> . – 5<sup>th</sup> . GRADE

**Brain Buzz© (Life)** - Discover how "groovy" the brain really is as we play games with our senses and reflexes. We'll see why the brain is the ruler of all the systems of our body. Have FUN as we make our own Neuron to keep.

**Cosmic Capers© (Earth & Space)** - Travel through space as we explore our solar system. Discover the forces that keep us "on track". See how our place in the Solar System affects us every day and night of the year. Launch rockets. Learn about our planets, the moon, eclipses and much more.

**Edison's Workshop© (Physical)** - Explore the amazing world of electricity. Have a hair-raising time playing with static electricity. Work with conductors & insulators. Learn what's "current" as we make doorbells ring & light bulbs light.

**FSA'S a Snap!© (Physical)** - Let's have fun as we explore hard to understand concepts of forces and motion. We make it easier through hands-on experimentation, utilizing the Scientific Method as we solve problems and make FSA's a Snap! Perfect for boosting student confidence.

**Finally Fun Machines© (Physical)** - Finally, a hands-on and FUN program on machines. Meet the Facilitator, our cool multi-personality compound machine, and engage in pulley power and wedge wonders. Become mechanically minded as we explore the six simple machines.

**Forensic Fun© (Life, Physical)** - Discover all the cool techniques that real crime fighters utilize. Use the Scientific Method to help solve a chemical mystery. We will study our own genetic information to better understand how unique we all are. Learn about our D.N.A. as we study our fingerprints.

**'Fun'omena© (Earth & Space)** - Get the facts...on those natural acts...earthquakes, hurricanes, tornadoes, volcanoes and more. Learn about the changing conditions which cause these phenomena. Have FUN as we make them happen in your classroom.

**Global Fever© (Earth & Space)** - Discover the effects of global warming. Have fun as we explore some clean and renewable energy resources such as solar, water and wind. Explore the 3 R's as we help clean up the world.

**Globs, Goo & Guts© (Life)** - Roll up your sleeves and make all kinds of icky sticky stuff! Distinguish some human body parts & their basic functions. Have a hands-on look at a real cow's heart! Find out what makes us tick!

**Go Girl© (Life & Physical)** - Join us as we honor the contributions of women in science. We will explore Florence Nightingale's influence to the world of Biology as we use stethoscopes and learn about our heart. Madame Curie's knowledge of Chemistry will then be investigated as we study the Periodic Table of Elements and build our own molecules. Finally, we will honor Sally Ride and make our own "Space Mud" to keep!

**Gold Rush© (Earth & Space)** - Step into the world of Geology. Learn about gems, rocks and minerals and where they came from. Pan for real gems and keep what you find. Identify the physical properties of common minerals & the 3 categories of rocks. Perform acid tests and more as we classify our gems. Find out why gems are so precious.

**Matter Matters© (Physical)** - Discover all states of matter. Explore the scientific theory of atoms. We will build our own molecules with yummy "atoms" and test for acids and bases. Learn the difference between chemical and physical changes as we make "slushies" to eat! (Higher level Matter program)

**Newton in a Nutshell!© (Physical)** - Step back in time to the days of Newton and his famous Laws of Motion. Have a hands-on look at these forces. Discover gravity and have FUN as we push, pull, and get the job done!

**Power of Light© (Physical)** - Find out how amazing light is. Discover ROY G. BIV and the electromagnetic spectrum. Uncover the mysteries behind sound & light energy. Become "energized" as we learn about batteries and make light bulbs light up!

**Rainforest Safari© (Life, Earth & Space)** - Learn why the rainforest is so important. Discover ways to protect its precious, natural resources. Trace the flow of energy from the Sun. We'll explore each layer of the Rainforest and build our own Rainforest model to keep.

**Silly Cells© (Life)** - Discover the amazing world of Biology. Let's experience osmosis and diffusion and examine a variety of cells through a Microslide Viewer. We'll compare plant and animal cells and make a cell model to keep.

**Smarty Plants© (Life & Earth)** - Discover the amazing world of plants. Learn about photosynthesis, pollination & germination. Have a hands-on look at roots, shoots, and transportation inside a plant. Get all the "seedy" facts! Make your own terrarium with its own water cycle.

**The Chain Gang© (Life)** - Join the "Chain Gang", the food chain that is. Explore the laws of nature that apply to the world's ecosystems. Have FUN as we learn about predator/prey relationships, and dissect real owl pellets. Discover why the Sun is really important and take-home UV detecting beads.

**The Cycle of Life© (Life)** - We'll discover the many wonders of plant & animal life cycles. Learn why offspring of plants & animals are similar to, but not exactly like their parents or each other. We'll observe real insects, dissect seeds & make our own plant biome to keep.

**The Reaction Attraction© (Physical)** - This is the coolest attraction in town! Have FUN as we discover the world of chemistry. Get the solution in this fast-paced program on chemical reactions. Explore indicators and make your very own polymer to keep!

**The Real McCoy© (Physical)** - Join us on a FUN filled adventure as we discover several very famous African American Scientists. Learn about their incredible contributions to science. Have FUN as we do some cool experiments while honoring these great individuals. Great Program for Black History Month! (Book this one early!)