



High Touch High Tech®

Science Experiences That Come To You™

Program Alignment with Massachusetts Science and Technology/Engineering Curriculum Framework

Pre K through Grade 2

Learning Strand/Broad Topic	Pre K – 2 Learning Standard	High Touch High Tech Programs
Earth and Space Science		
Earth's Materials	1. Water, rocks, soil and living organisms are found on the earth's surface	Content incorporated in many programs
	2. Air is a mixture of gases that is all around us and that wind is moving air	Who Has Seen The Wind? © Learn about how the wind works and where the wind comes from. Find out how scientists use the wind to predict the weather. Take home your very own pinwheel.
The Weather	3. Weather changes from day to day and over the seasons	Who Has Seen The Wind? © (see description above)
The Sun as a Source of Light and Heat	4. The sun supplies heat and light to the earth and is necessary for life	Let The Sun Shine In © Learn all about the sun. Discover light and energy from the sun and find out how we use it. Tell time and find out how to protect ourselves from light we cannot see.
Periodic Phenomena	5. Events around us that have repeating patterns, including the seasons of the year, day and night	Reason For The Season © Discover our four seasons. Have fun as we make the earth wobble. Make your own leaf rub, snowflake and more!
Life Science		
Characteristics of Living Things	1. Animals, humans and plants are living things that grow, reproduce, and need food, air, and water	ExSEEDingly Cool © Discover the amazing world of plants. Have fun as we check out all types of amazing seeds. Find out what seeds need, and take some home to grow.

Programs provided in

Elementary Schools • After School Programs • Pre-Schools • Vacation Camps • Birthday Parties • Corporate Events

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		<p>Smarty Plants© Discover the amazing world of plants. Learn about chlorophyll and have a hands-on look at roots, shoots, and water transportation inside a plant.</p> <p>Globs, Goo and Guts© Journey through our body’s digestive system. Have FUN while you “digest” a cracker and make a “deposit”!</p> <p>The Body Shop© Step into the world of the pediatrician’s office. Take your weight, height, and temperature. Take a deep breath as we listen to our heartbeat with real stethoscopes. Discover your reflexes. Explore the world of vaccines as we work with syringes and much more!</p>
	2. Differentiate between living and nonliving things	Content incorporated in many programs
	3. Plants and animals have life cycles that vary for different living things	
Heredity	4. Many plants and animals closely resemble their parents in observed appearance.	<p>The Unique Me© Learn about what makes you special. Find out why you look different than other people, what you inherited and what your special traits are. You will even get to be “fingerprinted”.</p>
Evolution and Biodiversity	5. Fossils provide us with information about living things that inhabited the earth years ago	<p>Jurassic Jr.© Step back in time to the age of dinosaurs. Become a paleontologist as we dig for real fossils and dinosaur bones. Make your very own fossil.</p>

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Living Things and Their Environment	6. People and other animals interact with the environment through their senses of sight, hearing, touch, smell and taste	Let's Make Sense © Have FUN as we make sense out of our senses. Explore our five senses, one sense at a time. Discover how much we rely on our senses.
	7. Animals and plants go through changes in their appearance as the seasons change	Survive And Thrive © From stinky skunks to flying frogs, your students journey through the amazing ways animals survive on earth. Make your very own creature that must survive.
	8. An organism's habitat provides for its basic needs	Homemade Fun © Explore the world of shelters. Discover the many different shelters. Make a deposit in a birds nest and build your very own igloo that you can eat! Somethin's Fishy© Enter the ocean and learn about fish scales and schools of fish. Find out how fish breathe. Go fishing!
Physical Science		
Observable Properties of Objects	1. Observable properties of objects such as size, shape, color, weight, and texture	Content incorporated in many programs
States of matter	2. Objects and materials as solid, liquid or gas. Solids have a definite shape and that liquids and gases take the shape of their container	Matter Really Matters © Learn all about matter: solids, liquids and gases. Drop a solid into a liquid and see what happens! Discover the strength of air.
Position and motion of objects	3. Objects can move in various ways	Content incorporated in many programs
	4. The way to change the motion of an object is to apply a force. The greater the force, the greater the change in motion.	Gravity Games © Get ready for the games! Unlock the mysteries of this amazing force that affects us all. Learn about G-Forces, and why the center of gravity

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		is so important in building structures. Have fun as you build your very own leaning Tower of Pisa.
	5. Objects can be balanced under some conditions	Finally Fun Machines © Finally, a hands-on and FUN program on machines. Make your very own screw out of a carrot. Check out some cool machines and find out how you use parts of your body as tools.
Technology/Engineering		
Materials, tools and machines	1.1. Characteristics of natural and human-made materials	
	1.2. Possible uses for natural and human-made materials	Content incorporated in many programs
	1.3. Safe and proper use of tools and materials to construct simple structures	Content incorporated in many programs
Engineering design	2.1. Tools and simple machines used for a specific purpose	Finally Fun Machines © Finally, a hands-on and FUN program on machines. Make your very own screw out of a carrot. Check out some cool machines and find out how you use parts of your body as tools.
	2.2. Human beings and animals use parts of the body as tools	Finally Fun Machines © (See description above)

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