



High Touch High Tech[®] Of Western North Carolina

Science Experiences That Come To You™

Complete List of Available Elementary Programs (K-5)

All Programs Are Adaptable For All Grades

Programs by Grade Color Key

= K-2 Programs

= 3-5 Programs

Program Name	Program Description
Beauty & the Yeast[®] Grades 3-5	Discover what a really FUN Guy FUNGI really is! Step back in time to the days of Louis Pasteur. Learn about germs, mold, yeast, and more. Discover a whole world you cannot see. Make your own bread! See all the cool little critters that grow on you!
Bonkers for Blood[®] Grades 3-5	Discover your blood type! Journey through the blood brain barrier; make your own blood, and much more!
BrainBuzz[®] Grades K-2	Discover how cool the brain really is! Find out why the brain is the boss, as we make neurons, axons, and much more. Have FUN as we make our very own brain, and learn why the brain is so groovy!
Chemfun[®] Grades K-2	Find out how much fun chemistry can be! Explore chromatography as you watch colors separate before your eyes. Make your own silly putty and gummy candies as we learn REAL chemistry.
Chemistry Sensations[®] Grades 3-5	Whose turn is it to set the table, the Periodic Table that is! Explore the world of chemical elements. Learn about the atoms and why they want to be happy in their cozy little orbital shell. Discover what it takes to really bond, and draw your own molecules in shaving cream!
Cosmic Capers[®] Grades 3-5	Travel through space as we explore our solar system. Discover how cool the sun really is. Have a real impact, as we become crater makers. Learn about our planets, the moon, eclipses and much more. Enjoy some astronaut ice cream.
Design Time[®] Grades 3-5	Discover architecture, have FUN as we build buildings, bridges, and more!
Dig It[®] Grades K-2	Step into the world of Geology. Learn about gems, rocks, and minerals and where they come from. Uncover the mysteries of rock formation and crystalline



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	structure. 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.
Down Deep [®] Grades 3-5	Discover our oceans and what creatures live down deep. Explore echolocation, whale song, baleen and make your own jellyfish.
Earthworks [®] Grades K-2	Discover our planet's wonderful resources. Explore the sky as we have FUN with solar power. Journey through our nourishing soil and the cool creatures that make it their home. Get ready for the Recycle Relays!
Edison's Workshop [®] Grades 3-5	Explore the amazing world of electricity. Learn what's "current" as you make your very own electroscope and much more! Get all the Hair-Raising facts!
Extreme Scene [®] Grades K-2	Journey through the earth's extreme environments. Have fun as we learn about deserts and see how animals and plants adapt to these harsh climates. Explore the amazing survival of the cactus. Learn about volcanoes, arctic biomes and make a penguin. Roll up your sleeves as we discover some slimy things.
Finally Fun Machines [®] Grades 3-5	Finally, a hands-on and FUN program on machines. Make your very own screw out of a carrot. Meet The Facilitator, our cool multi-personality compound machine, and engage in pulley power, wedge wonders, and incline plane antics. Become "energized" as we discover potential and kinetic energy. Discover the balance in your life as we make our very own levels to take home.
Forensic Fun [®] Grades 3-5	Solve the crime by lunch time! Become a CSI technician as we discover a mystery powder, teeth impressions, lip prints, dust for fingerprints and much more. Earn your special CSI badge.
'Fun'omena [®] Grades 3-5	Get the facts...on those natural acts! Earthquakes, hurricanes, tornadoes, and volcanoes. Learn about our changing conditions which cause these phenomena. Have FUN as we make them happen in your classroom.
Get Buggy [®] Grades K-2	Discover the incredible world of bugs. Find out all the cool and creepy things bugs do. Design your own bug, see through the eyes of bugs, make your very own beehive and more. Explore the many ways bugs help



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	our world.
Get Off My Back[©] Grades K-2	Discover why it's cool to be a vertebrate! Get Hip as we make our very own ball and socket joints. Stay connected as we work with skeletons to see which bones are connected. Learn about our funny bone and make gummy candies!
Global Fever[©] Grades 3-5	Discover the effects of global warming! Have FUN as we explore clean and renewable energy.
Globs, Goo & Guts[©] Grades 3-5	Roll up your sleeves and make all kinds of icky sticky stuff! Have a hands-on look at real cow guts! Learn the systems of the body, and find out what makes us tick!
Go Girl[©] Grades 3-5	Join us as we honor the contributions of women in science. Make your very own cold pack, change protein molecules right before your very eyes! Make a Saturn planet to keep!
Homemade Fun[©] Grades K-2	Explore the world of shelters. Discover the many different types of shelters. Build your very own igloo and bird nest that you can eat! Learn about caves as we make our very own limestone cave experiment. Have FUN as you make your very own stalagmites.
Indicator II pH Day[©] Grades 3-5	Find out what an indicator is to chemists. Discover the pH scale; learn about acids and bases, using common substances. Make your own volcano and find out what happens when you mix certain chemicals together. Learn the explosive facts.
Insectology[©] Grades 3-5	The coolest bug experiments are here. Make your own moth bait and discover how insects communicate with each other. Build a bug house and a bug net to keep.
Jurassic Classic[©] Grades 3-5	Uncover the mysteries of the dinosaurs. Become a paleontologist as we make our very own fossils. Have FUN as we learn about the dinosaurs, DNA and ourselves!
Jurassic Jr.[©] Grades K-2	Step back in time to the age of the dinosaurs. Become a paleontologist and discover real fossils. Uncover the mysteries of the dinosaurs. Make your very own fossil.
Let's Make Sense[©] Grades K-2	Have FUN as we make sense out of our senses. Explore our 5 senses, 1 sense at a time. Discover how much we rely on our senses.
Magnet Makers[©]	Discover the properties of magnetism. Have FUN as



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Grades K-2	we uncover all the “attractive” facts. Make your very own electromagnet and much more!
Matter Matters [©] Grades 3-5	Discover all states of matter including plasma. Explore evaporation rates and the cool journey from liquid to gas. Discover liquid densities and much more!
Meteorology Madness [©] Grades 3-5	Discover wind chill effect; make heat go up and down! Explore the greenhouse effect, touch a cloud, relate to relative humidity, and more!
Molecule Medley [©] Grades 3-5	Discover how molecules meet and greet and collide with each other. Make your very own molecule to keep!
Newton in a Nutshell [©] Grades 3-5	Step back in time to the days of Newton. Have a hands-on look at inertia and motion. Discover gravity and have FUN as we push, pull, and get the job done!
Nutty Nutrients [©] Grades K-2	Get the essentials as we learn about the food groups. Have FUN as we test for protein, starch and fat. Become a food archeologist and climb the great food pyramid. Experiment with vitamins; learn to make healthy choices and much more!
Our Living Planet [©] Grades 3-5	Discover why the Earth is our living Planet. Catch some rays as we discover ultraviolet light, the atmosphere and more. Reach for the sky as we learn all about clouds. Touch a cloud! Get into the swing of things as we learn about the equinox and solstice. Discover what Biome is your home!
Rainforest Safari [©] Grades 3-5	It’s all about the rainforest! Build your very own rainforest to keep! Become a tribal shaman and make medicine.
Respiration Station [©] Grades 3-5	Learn all about breathing. Discover how we can tell what we breathe out is not what we breathed in! Have FUN as we make our very own Breathing Machine. Make a wind tunnel and much more!
Sea Ya’ Later [©] Grades K-2	Explore our amazing underwater world. Learn about plankton, and why almost all ocean life depends on them. Get the Beef on Coral Reefs! Discover how marine mammals stay warm. Make your very own reef to keep!
Silly Cells [©] Grades 3-5	Discover the amazing world of biology. Experience osmosis, and even make your very own edible cell. Become a geneticist, and extract REAL DNA! Get ready to send in the clones!



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<p>Smarty Plants[®] Grades 3-5</p>	<p>Discover the amazing world of plants. Learn about photosynthesis and germination. Have a hands-on look at roots, shoots, and transportation inside a plant. Get all the “seedy” facts!</p>
<p>Sounds Like Fun[®] Grades K-2</p>	<p>Learn about the different types of sound. Discover what sounds actually are. Make sound travel through different media. Build your very own ear drum. Make salt dance and water fly.</p>
<p>Survive & Thrive[®] Grades K-2</p>	<p>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.</p>
<p>The Body Shop[®] Grades K-2</p>	<p>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. See your own pulse! Discover your reflexes. Put on gloves like surgeons and have a hands-on look at real bones! Explore the world of vaccines as we work with syringes. Meet the Angry Antibody Army and much more!</p>
<p>The Chain Gang[®] Grades 3-5</p>	<p>Join the chain gang, the food chain that is. Explore the five 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 honeybees are so important to the balance of nature as we make our very own honeycombs, and much, much more.</p>
<p>The Inventor’s Closet[®] Grades 3-5</p>	<p>Step into the world of some really cool inventors. Get gassy as we meet Avogadro, turn a clear liquid black and back again as we discover cool chemistry and you’ll be going in circles as we meet Walter Frederick, the inventor of the Frisbee!</p>
<p>The Power of Light[®] Grades 3-5</p>	<p>Find out just how amazing light is. What is visible light? Discover who ROY G. BIV is and the electromagnetic spectrum. Uncover the mysteries behind light and why it is both wave like and particle like. Become “energized” as we learn about batteries and make bells ring and light bulbs light up.</p>
<p>The Print Shop[®] Grades 3-5</p>	<p>The fingerprint shop, that is! Learn about your genetically unique fingertip patterns. Discover the world of dermatoglyphics. Learn about what makes you genetically unique and genetically different from</p>



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	everyone else. Make genetic molecules that you can eat!
The Real McCoy[®] Grades 3-5	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 real cool experiments while honoring these great scientists.
Up, Up & Away[®] Grades K-2	Learn about aerodynamics and what makes things fly. Learn about lift and drag as we use blimps and balloons. Launch a rocket and calculate altitude, make a helicopter and discover why what goes up must come down.
Vibes[®] Grades 3-5	Catch the Vibes... and find out all the amazing facts about sound. Discover what sounds are. See sound, and have FUN as we make sound move things around. Learn about wave motion. Find out about hearing as we make our very own ear drums.
Wacky Water Workshop[®] Grades K-2	Discover how cool water really is. Make water and alcohol have a tug of war with food coloring molecules! Stab a pencil through a plastic bag and not spill a drop!
Weather or Not[®] Grades K-2	Learn about weather as we take an up close and hands-on look at a real tornado. Watch as we make thunder. Discover all the amazing properties of air and air pressure. Touch lightning! Make the conditions change as we lift ice cubes with a string.
What's the Matter[®] Grades K-2	Find out what really matters. Have FUN as we explore all different types of matter. Discover bubbling potions for yourself, watch air take up space and even have a contest with carbon dioxide!