



HIGH TOUCH HIGH TECH PRESCHOOL PROGRAMS

Awesome Owls	Children learn all about this amazing predator. They'll experiment with different types of beaks and get to learn what and how owls eat their lunch by examining real owl pellets. They'll even make their own owl to keep.
Baby Animal Games	Find out all about animals as we use bean bag babies to discover what makes each animal so special. Learn about animal protection, homes, body coverings and more.
Bats-Night Fliers	Learn about these funny creatures that fly through the night sky. Find out why these animals should not be feared and how they actually help people. Experiment with echolocation and take your own bat puppet home.
Birds of a Feather	Our young 'ornithologist, get up close and personal with some of the things that makes birds so special, feathers. They'll learn about the different types of feathers birds have and how they serve a different purpose.
Bubble Blast	Children explore the amazing world of bubbles. They'll learn why bubbles always want to be round and why they pop when you touch them. They'll discover water's property of cohesion and how to touch them without letting them pop.
Can You Sense It?	In this program we learn about our five senses. We'll hear a fork sing and use only our fingers to 'see' what is hidden inside a sack. We'll even explore the connection between our nose and tongue.
Chemical Concoctions	Children explore chemical reactions and experience how when you mix certain chemicals together they get hot, exothermic reaction, and others chemicals get cold, endothermic reaction. They'll even learn the difference between a physical change and a chemical change and make an "atomic" worm to keep.
Chemi-Color	Children get to be color chemist, mixing chemicals together to create reactions that change color. They'll explore the relationship between acids and bases and get their own indicator paper to take home.
Che-Mystery	This program takes the 'Mystery' out of chemistry. Our young scientist learn about safe and unsafe chemicals, chemical reactions and how to separate solutions through a chemical means. They'll even make their own silly puddly to keep.
Cooking Chemistry	For this program our young scientist get out of the lab and into the kitchen! All of our experiments will involve items that you would sooner find in your frig or cupboard than in a laboratory. Cohesion, colloids and cave art? are the topics of the day as children make their own finger paint, break the bonds in milk and make a non-newtonian fluid.
Desert Biome	Our young scientist learn all about the desert biome. They'll explore the four different types of deserts and analyze various types of soil. Then they'll learn how animals and plants survive in similar ways in the desert and makea their own desert biome to keep.
Dino Diggers	Explore the Mesozoic era where dinosaurs reigned supreme for millions of years. Discover the dinosaurs of the Cretaceous, Jurassic and Triassic periods and learn to identify them. Dig out your own fossil to keep.

Early Engineer	Children become engineers as they learn how to use science to solve problems. They'll build bridges that resist the pull of gravity, become part of a human arch and build their own structure to keep.
Earth Scapes	Our young scientists discovered the natural phenomena that carves the surface of the earth. They explored erosion and weathering and learned how caves and their special features like stalactites and stalagmites are formed. They created their own sand storms and even make some lava to keep.
Edible Science	Our young scientist learn about the building blocks of life as they make their own edible molecule. Then they examine the reaction that happens when you mix an acid with a base and finally they explore the stuff that makes our skin, hair and fingernails so flexible, collagen, as they make their own gummy candy.
Eggsperiments	Kids will have an 'egg'cellent 'egg'sperience with this program. We'll use eggs to learn about air pressure and make a cup water strong enough to float an egg.
Energy & Me	Children discover the properties of electricity and their uses in everyday life. They have fun becoming a human circuit and then using electricity to make things work.
ExSeedingly Cool	Children explore the beginnings of plants, seeds. They'll examine a variety of different types of seeds and see what they grow up to be. They'll learn how seeds can travel and watch them grow in their very own seed 'hair' cup.
Eye Do	In this program children learn about color and how we are able to see color. They'll about the structure of our eyes and how they function. They'll get to turn white light into a rainbow and then take a rainbow and turn it back into white light. They explore primary colors and make their own mixtures with our color bags.
Fantastic Static	Get charged as we have FUN with static electricity. Move paper and metals without touching them using nothing but the static electrical charge you make.
Flight Command	Join the space age and learn about aerodynamics. Have a hands-on look at jet propulsion. Find out what goes up must come down. Children explore blimps, fly a 'jet' and then make their own paper helicopter.
FOAM-TASTIC	Children learn how air is used in liquids to create foam, which we use in all sorts of materials and devices, from the heads-sets we listen to music with to the seats in our cars. They'll mix various liquids together to create different types of foam and even take their own foam rubber home.
Fossil Fun	Children get to become paleontologist as they dig for real fossil they actually get to keep. Then they'll learn how to distinguish a carnivore from an herbivore and finally make their own dino-fossil footprint.
Germs Make Me Sick	Today we learned what germs are and how they can get inside us to make us sick. We also discovered how our bodies fight off these microscopic invaders with the help of our white blood cells. We even made our own "bacteria" colony in a petri dish to keep.
Get Buggy	Our young scientist become entomologist today. They'll examine various real and living insects as they learn about insect structure and function. They'll get to see like insect and learn how some insects communicate (stridulation).

Get Growing	In this program our young botanist learn how plants can grow with out soil, through hydroponics. They examine the desert habitat and discover some of the amazing adaptations the plants that live there have. They'll even get to take home their own hydroponic plant.
Gold Rush	In this program children become geologists and learn about the layers of the earth and how to classify different types of gemstones. They'll also get to become prospectors and go panning for real gemstones they get to keep.
Have a Heart	Learn all about our inner organs and the roles they play in keeping our bodies working. Special attention is given to our heart as students use real stethoscopes to hear their own heartbeat. Then they explored the control center for our bodies, our brain, and made a brain to take home.
Leaf Me Alone	Discover how cool plants are. Build your own greenhouse to keep. Make chlorophyll separate and more!
Let the Sun Shine	Today's program was all about the sun. We learned that the sun is a star that gives us energy in the form of heat and light. We learned why there is day and night and how you can use the sun to tell time. We even made a solar print to bring home
Magnet Makers	Magnets and Magnetism are the subject of the day. Children explore the 'attractive' facts about magnets and magnetism. They'll experiment with attraction and repulsion, opposite poles and even race magnetic 'cars.'
Matter Matters	Children learn what makes matter and then explore the three states of matter, solids, liquids and gases, to learn the differences of each. They experiment with things that are not matter ie- light and make a matter ball to keep.
METAMORPHOSIS	Our young entomologist explore the life cycles of bugs. They'll examine a variety of different insects at various stages of their metamorphosis and then use that knowledge in our metamorphosis challenge. Then they'll learn about the ubiquitous house fly and make one to keep.
Motions and Potions	Have FUN as we learn about currents and how liquids flow. Discover viscosity and more!
Movin and Groovin	Have fun as we discover motion. Make water run down a string. Build your own moving machine. Catch the groove as we make a balance machine to keep.
My Planet, My Home	Learn about our incredible planet. Discover how to take care of our planet, explore recycling, and make a pollen catcher to keep!
No Bones About it	In today's program children explore calcium and it's role in the human body. They'll examine various objects that are made up of calcium and experiment with a chemical that actually dissolves calcium. Children learn about our skeletal system and make their own skeleton out of calcium.
Nutty Nutrients	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!

Olfactory Fun Factory	Discover our amazing sense of smell. Have FUN as we learn about the science of our senses. The fun continues as we have a Smelling Bee.
Out of Sight Light	Our young scientist explore the wonders of visible light and shadows. They'll bend light to find ROYGBIV, rainbow, and then use hand puppets to manipulate light and create shadows. They'll even learn about UV light and make their own UV light detecting bracelets so they'll always know when to put on some sunblock.
Predator or Prey?	Explore the differences between predators and prey by handling a wide variety of real animal parts that help them hunt their prey, or hide or protect themselves from predators. Learn about Charles Darwin's theory of Natural Selection and make your own predator/prey web.
Reaction Reaction	Today's program is all about chemical reactions. We'll use a special indicator to find out what liquids are acids and which ones are bases. Then we'll learn how easy it is to clean copper using two simple ingredients in a chemical reaction.
Salty Science	Uncover the wonders of this amazing chemical compound. Salt is essential to our existence, but our body does not produce it. Children learn how we get salt into our body and why we need it. They'll use salt to do a little ice-cube fishing, then grow their own salt crystal garden.
Scientifically Science	In this program our young scientist learn the fundamentals of the scientific method, observation, prediction and experimentation. They'll explore all three concepts through a variety of different experiments along with learning about some of the instruments scientists use.
Sense-Sational Science	In this program children focus on two senses, the sense of taste and hearing. They'll learn all about the tongue and taste buds and the different taste they are sensitive too. They'll also learn about our ears and make a model of their inner ear to keep.
Shoot for the Stars	Children learn about our planets and their place in our galaxy. We'll learn about constellations and make a replica of the big dipper. We'll examine shooting stars too.
Smarty Plants	Students discover how cool plants are. They'll learn about the different parts of a plant and their functions. They'll explore the concept of "capillary action" as they turn a carnation from white to blue and separate the color from a marker. They'll even dissect a seed to uncover the embryo hiding inside.
Soak It Up	Children learn about materials that absorb liquids and how they are used to help our environment. They'll work with super absorbent polymers and make their own rainbow filter.
Something's Fishy	Our young scientist explore the living creatures that inhabit the sea. They'll learn how fish breathe and why their bodies are covered in scales. They'll discover the science behind fish's "Fright Substance" and make their own fish to keep.
Space Command	Children learn about space flight and the workings of NASA and the Space Shuttle Program. They'll assume the role of mission control and launch rockets into the air, eat some real astronaut food and make their own Alien Slime to keep.

Spooky Spiders	This program is all about arachnids. After a brief introduction with our real live Rose Hair Tarantula, Harry, our young arachnologist learn about spider body parts and functions and then make a spider they can eat. They'll also learn about spider's impact on our environment and how they make their webs.
Ssssnake Sssscience	In this program children learn all the facts about snakes. They'll discover how to tell the difference between venomous and non-venomous snakes, how snakes smell with their tongues, their heat vision, and much more. They'll even make their own snake skin to keep.
Super Sponges	In today's program children learned about the difference between synthetic sponges and natural sponges. They learned that sponges in the ocean are animals and then got up close and personal with real ocean sponges. Then they learned about synthetic sponges and how they are used for more than just clearing up liquids.
Terrific Trees	This program is all about the senses. We'll make forks sing to test our sense of hearing and then learn how well we can see only using our sense of . . .touch?? Finally we explore the relationship between our sense of taste and sense of smell.
The Ocean Home	Our young scientist become oceanographers. First they learn why the coast is constantly changing by doing a neat erosion experiment. Then they learn about various sea creatures and their homes and make their own ocean habitat to keep.
Time To Dense	Children explore the concept of density as it pertains to matter. They'll learn how to identify the density of objects just by judging their weight and be fascinated by how two spheres made of the same amount of metal can float or sink. They'll explore the density of liquids and create their own working lava lamp to keep.
To Bee or Not To Bee	Children learn about bees and how important they are to our survival. They use special lenses to mimic the compound vision bee's have. They learn how important pollination is and use a "bee's leg" to pollinate their own flower.
Twister Time	Explore the awesome and often devastating forces of nature known as hurricanes and tornadoes. Learn how they form and create a tornado in a bottle and a hurricane in a cup. Discover the various types of vortices and make a device to harness the power of a toroidal vortex.
<i>Up, Up and Away</i>	Children learn about gravity and propulsion as they launch mini-rockets from an Erlenmeyer flask. They'll explore weather conditions and how they can affect a a rocket launch. They'll even make their own wind-sock.
Volcanoes	Our young scientist become vulcanologist as they learn about the forces that create volcanoes and volcanic eruptions. They learn about the three different types of rock and get up close and personal with volcanic rock called igneous. They'll even make their own edible sidimentary rock.
Wet Wild Water	Today we learned about the properties of water. We explored surface tension as we made buttons float. We used water to "break" a pencil and then made our own water magnifiers to keep.
Where's Your Home	This program is all about habitats and the way living things adapt to their environment. They'll learn about camouflage and make a birds nest to keep.
Who has seen the wind	Young scientist learn about how the wind works and where the wind comes from. They'll see just how scientists use certain instruments to predict the weather. They take home their very own pinwheel anemometer.

Wild Weather

Our young meteorologist learn all about the weather and the natural forces that create it. They'll get to touch and play with a real cloud, make the water cycle in a jar and then create their own snow to keep.