

PRESCHOOL WORKSHOP TOPICS

LIFE SCIENCES

ANIMAL FRIENDS



While exploring the world of the animal kingdom, we will learn about and listen to animal communication. We will examine different types of animal coverings such as fur, fins, and feathers. We will bring home an animal mask.

DINOSAURS



We are going to live dangerously and look at some dinosaur teeth up close. We will be junior paleontologists with a miniature dinosaur dig. We will even make our very own replica of a dinosaur tooth.

EYE TO EYE



Telescopes, binoculars, and magnifying glasses are just a few of the scientific tools that we will bring into play. We will see our eyes in a different light. We will even bring home our own miniature telescope.

HUMAN BODY



Together we will begin to understand the major body systems. We will learn about the heart muscle and how it moves blood. We will learn about bones and muscles and how they work together. We will design a gutsy apron that displays our insides.

KEEP IN TOUCH



We will see first hand how sensitive the tips of our fingers are. Using only our sense of touch, we will identify objects. We will also learn that some objects are safe to touch and others are not. We will make a project using our sense of touch.

LISTEN CLOSELY



With a wave motion model and a twirling tube in hand, we will learn that sound travels in waves and can be heard in a variety of pitches. We learn some sound effects that can be made from ordinary materials. We will go home with a buzzing bee.



TASTE AND SMELL



Join us for a journey through our mouth and nose. We will be introduced to our senses of smell and of taste and how they help us to enjoy all of our favorite foods and aromas, as well as those that are not as pleasant. We will create our very own scented pictures.

WORMS



We will explore the wiggly world of a worm. Using a magnifying glass and our observation skills we will get to explore the life of a worm. We will get an up close look at the habits of a worm. We will all have some tasty worms too!

PHYSICAL SCIENCES

ADVENTURES IN AIR



How can something invisible have the power both to move and slow things down? What relies on air for movement? We will discover the power of air through demonstrations and hands-on activities. We will all bring home our own cloud climber.

COLOR



We will be introduced to the exciting world of color using chemical reactions and, yes, even rainbows! We will get our hands into color mixing with liquids, gels, and paints. We will all make a sun catcher to capture the light at home.

LIGHT'S ON



What is light? We will understand that white light is made of a rainbow of colors. We will have fun catching shadows on a phosphorescent paperboard. We will take home a rainbow peephole to diffract white light.

MAD MIXTURES



We will demonstrate that chemistry is the process of mixing things together. We will see that chemistry can be used to mix different colors together and to make things erupt. We will all make our own play dough to take home.

MAGNETIC ATTRACTION



Experiencing the concept of magnetism, we will realize that some things are magnetic and some things are not. We will examine the poles and power of magnets. We will grasp the idea of magnetic fields with our own magnets.

SCIENCE OF MUSIC



Boom, tap, smack, cha-cha-cha. We will find out that sound is made by vibrations. We will use hands-on exploration to feel, hear, and see these vibrations. We will make our own musical instrument to use for our experiments.

WATER WORKS



Why do some big things float? Why do some little things sink? Water is more complicated than it looks. We will experiment with density and absorption. We will bring home our own boat.

EARTH SCIENCES

SPACE FRONTIERS



Get ready for takeoff! We will become Mad Science Astronauts-in-Training. We will discover our solar system with a hands-on activity. We will also learn about space exploration and astronauts. We will all blast off our own mini rocket.

WEATHER WONDERS



We will discover the origins of rain, by making raindrops. We will find out that heat, water, and wind are what make weather happen. We will measure these elements. We will all make our own pet tornado to take home.