

Year at a Glance – Pre K

		Science Curriculum		Extensions
6 weeks	Science Topics	Concepts to Learn	Vocabulary	Lab/ Activities
1 st	Weather Five Senses	<ol style="list-style-type: none"> 1) Patterns are found in weather. 2) These patterns can be observed in seasonal cycles such as fall, winter, spring, and summer. 3) By using the five senses, observations can be made and recorded with pictures and graphs. 	<p>Clouds, Sun, Rain, Tornado, hurricane, wind, hail, snow, fall, winter, spring, summer, cycles</p> <p>Taste, Touch, Smell, Hearing, Sight, Observe</p>	<p>Observe and graph the weather</p> <p>Five Sense Exploration (Inside/Outside)</p>
2 nd	Apples & Pumpkins Bats & Spiders	<ol style="list-style-type: none"> 1) Fruits contain seeds. 2) Nocturnal animals are animals that are mostly active at night. 3) Spiders belong to the arachnid family. 	<p>Harvest, seed, vines, tree, red, yellow, green, orange</p> <p>Nocturnal, arachnid, sonar, lunar, echo</p>	<p>Carve a pumpkin Red, Green, Yellow Apple Taste Test</p> <p>Venn-diagram of bats and birds Spider Snacks</p>
3 rd	Forrest Animals (Habitats, hibernation & gathering) Arctic Animals	<ol style="list-style-type: none"> 1) A mammal is any warm-blooded vertebrate having the skin more or less covered with hair; young are born alive 2) Animals have adaptations that help them to survive in different types of climates. 3) A habitat is a home. 4) The animal kingdom is made up of prey and predators. 	<p>Mammal, habitat, hibernate, migrate, adapt, gather, predator</p> <p>Ice, snow, survival</p>	<p>Migrate, Hibernate, Adapt Make Shoebox Habitats What are mammals?</p> <p>Make Ice Crystals</p>
4 th	Rain Forest Space	<ol style="list-style-type: none"> 1) Patterns and cycles can be observed in the sky. 2) Organisms have basic needs and depend on the living and nonliving things around them for survival. 3) A habitat provides animals with the things they need: food, shelter, water, air 	<p>Products, humidity, rain</p> <p>Sun, moon, stars, Venus, Neptune, Uranus, Jupiter, Saturn, Earth, Mars, Mercury, Pluto, Planets, Galaxy, rockets, NASA, astronaut</p>	<p>Taste test of products grown in the rainforest Build four stories of the rainforest</p> <p>Make solar system model</p>
5 th	Dinosaurs Rocks & Fossils Farm Animals & Gardens	<ol style="list-style-type: none"> 1) The natural world includes earth materials such as rocks, water, and soil. 2) Soil is a useful resource because this is where farmers plant their crops and this is how we get most of our fruits and vegetables. 3) Plants need sunlight, water, air, and space to grow. 	<p>Extinct, fossil, carnivore, herbivore, omnivore, paleontologist, excavate, soil, stone, rock, volcano</p> <p>Plants, stem, petal, flower, leaf, fruits, vegetables</p>	<p>Make Dino Skeleton Observe Properties of Rock and Soil</p> <p>Graph Living and nonliving Working animals v. nonworking</p>
6 th	Insects Oceans, Lakes, Rivers & Ponds	<ol style="list-style-type: none"> 1) An insect has three pairs of legs and three body regions. 2) Some insects can be helpful to plants such as ladybugs. 3) Other insects such as grasshoppers can be harmful to crops. 4) Living things must have water in order to survive. 	<p>Head, thorax, abdomen, insect</p> <p>Ocean, lake, river, pond, flow</p>	<p>Metamorphosis of butterfly & frogs</p> <p>Sink or float</p> <p>Sun's Heat makes a treat</p>