





<b>Fourth Grade</b>	
<p><b>Earth Science:</b> Students explore the tools and techniques of meteorologists, geologists, and astronomers in this unit. As meteorologists, they gather weather data and interpret weather maps. As geologists, they learn to read the story of a rock and then how to identify it. As astronomers, they experiment with lenses to understand simple telescopes and then go on to learn about the latest advances in astronomy.</p>	
<p><b>Engineering Toys:</b> Engineering Toys is a unit which covers the basic stuff of physics, energy, motion, and forces - but with a fun twist. Cotton ball catapults, tops, quiz boxes, and sound cannons are a few of the great toys that students take apart, build, design, and experiment with as they come to understand forces, forms, and transformations of energy, and motion. Kit comes with everything you need to teach 4th grade physical science to 30 students.</p>	
<p><b>Healthy Science 4:</b> Four systems of the body are explored with models and activities. Students make lung models, watch digestion, check out bones, and explore their nervous system with tricks and treats. What is the role of smell in taste? Can you really hold your hand steady? How can you really fool yourself with some of the greatest optical illusions you've ever seen</p>	
<p><b>Investigating Chemistry:</b> Students get their hands on many different kinds of materials in this unit as they explore physical and chemical changes, measure mass with their own balance scale, and put their knowledge to work at the polymer lab. Students explore mass and volume as they find that sometimes <math>10 + 10 = 15</math> and sometimes <math>1 + 10 = 50</math> (milliliters, that is!).</p>	
<p><b>Survival:</b> What does it take for a plant or animal to survive? What behavioral or structural adaptations does it need to get food, reproduce, and avoid being eaten? How communities of animals and plants work and what do happens when something goes wrong? Students try their hands at designing seeds, creating food webs, and classifying adaptations. A gel ant farm is included and is a fascinating and easy way to observe living things surviving up close</p>	