

Activities	School Level	District Level	Concept	Notes:
Students created paper rockets that were then wrapped around film canisters filled with alka-seltzer and water. Some of the rockets flew up to 4 meters!		X	Action-reaction (Newton's Third Law)	Can be messy, so should be done outside!
Balloon cars: which goes the fastest?	X	X	Action-reaction (Newton's Third Law)	
The Eyes Have It! Dissection of a cow's eye		X	Life science- dissections	Done by teacher as a demonstration or under teacher supervision
"Frog-a'Thon"		X	Life science: Dissection of a frog	Upper elementary, usually done as a demonstration by the (high school biology) teacher
Where do fruits and vegetables come? Young children examine common everyday produce, and then plant seeds to create their own plants.	X	X	Life cycles	Pre-Kto first grade level
Using detergent to blow bubbles	X	X	Surface tension	Primary level
"Ocean Toss:" Children toss a globe-patterned beach ball and keep track of where their thumbs landed, showing that about 70% of the Earth's surface is covered by water.	X	X	Geography, earth science	Space to toss the balls is needed.
Properties of Water: See how many drops of water fit on a penny and watch water travel	X	X	Properties of water, cohesion and adhesion	All grade levels

along a string.				
Using taco sauce to clean pennies	X	X	Chemistry	“It’s one of those things you hear about and wonder if it’s true!” Could be extended by determining <i>which</i> taco sauce works best!
Making “lava bottles,” using oil, water, and glitter inside a plastic bottle.	X	X	Physical science: Density of water and other substances	All grade levels
Sink or Float? Will diet or regular soda cans float or sink?	X	X	Physical science: Density	Students could hypothesize and test other objects as well, such as paper clips, etc.
Chromatography flowers: Investigating various inks	X	X	Physical properties Forensics	All grade levels
Incredible Edibles: Using Kinetic Energy to Make Ice Cream	X	X	Physical properties (States of Matter): Liquids to Solids	All grade levels
Investigating Fingerprints	X	X	Forensics	All grade levels
Chip Off the Old Block and Punnett Squares	X	X	Investigating Genetics	All grade levels
Engineering Activities: Designing a Structure Cooperatively	X	X	Engineering and cooperative learning	Elementary level
Designing a lunar-lander	X	X	Engineering	Elementary
Making Oobleck	X	X	Physical properties	Elementary level
Roller Coaster: Construct a model roller coaster and see how far a marble will go.		X	Potential/kinetic energy	Elementary level
Making Watercolors		X	Chemistry	Primary/elementary
Swing It!	X	X	Centrifugal force	Elementary level
Kool-Colors: Tie-		X	Chemistry: Using Kool-	Elementary or primary with

dye a tee-shirt using Kool-Aid			Aid to tie-dye shirts	parents' help
Does Air Have Mass?	X	X	Matter	Elementary
Power Up: Learn about electricity by completing a circuit to light a lamp.	X	X	Electricity and circuits	Elementary
Nosedive: design paper airplanes	X	X	Air pressure, Bernoulli's Principle	All grade levels
Can You Dig It? Find fossils and artifacts by digging in the sand like a paleontologist		X	Paleontology, life science	Primary
Big Books and Beanies	X	X	Read books about science and have a rest!	All grade levels