

#5 Conductors	Materials Provided: Batteries	Materials You Provide:
Investigate objects that are insulators and conductors	Battery packsVarious materials to test	
GSE Correlation S5P2	Light bulbs with wire	
#6 Energy Ball	Materials Provided: Energy Ball	Materials You Provides none
Demonstrate complete/ incomplete circuits and the flow of electric current through touch		
GSE Correlation S5P2		
#7 Escaping Water	Materials Provided: Plastic Dixie cups	Materials You Provide: Water
Transfer water using capillary action of a paper towel	Paper towelsFood coloring	
GSE Correlation		
S1L1, S5L1		
#8 Heat Create heat by using friction. Observe what happens when you quickly rub sandpaper on a wood block.	Materials Provided: Sandpaper squaresblocks of wood	Materials You Provide Safety goggles Waste basket Timer Paper Towels
GSE Correlation S3P1		
#9 Lava Lamps Create a lava lamp from a result of a chemical change	Materials Provided: Clear cups Vegetable oil Alka-Seltzer tablets, or store brand	Materials You Provide: Water
GSE Correlation S5P1	equivalent Food coloring	
#10 Lenses	Materials Provided:	Materials You Provide:
Investigate how lenses allow us to see things differently. Identify objects we use that have lenses. GSE Correlation: S4P1	Convex lenses Concave lenses Lens Exploration Sheet/Lens Hunt Answer Key	Dry Erase Marker Eraser/paper towel

#11 Magnificent Mixtures Students will create a mixture and separate the items back into their original state using household items. GSE Correlation S5P1	Materials Provided: Bowl Green gravel Sand Iron filings Bar magnets Colander	Materials You Provide: none
#12 Rock 'n Soils Identify, sort, and compare types of soils and rocks. GSE Correlation S3E1	Materials Provided: Rock samples Soil samples Hand lens Sorting mats	Materials You Provide: none
#13 Saltwater vs. Freshwater (Animal adaptation correlation) Observe difference between salt water and fresh water. How do animal adaptations affect existence in salt water/fresh water? (particularly crocodiles) GSE Correlation	Materials Provided: Clear cups Salt Food coloring Spoons	Materials You Provide: Water Perrnanent marker Ice cube (optional) Toothpicks, soap, grapes are optional)
#14 Shadow Makers Discover objects that allow all light, some light, and no light to travel through. Cut outs are used to create shadows GSE Correlation S1P1, S4P1	Materials Provided: Flashlights Batteries White and black pepper Geometric shape cut outs Wax paper, aluminum foil, and plastic wrap Various materials to test (4-5)	Materials You Provide: None
#15 Sound – Feeling and Hearing it Identify and organize tuning forks by pitch from the highest to lowest. Observe what happens when a tuning fork is struck and placed in water. GSE Correlation S1P1, S4P2	Materials Provided: Tuning forks Striking mallets Cup	Materials You Provide: Water Table Copy paper

