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Class Name

Energy Transfer in Circuits and The World

Level

Fifth

Class Introduction/Overview

In this unit of 5th grade STEM Academy, students will investigate the different types of force, matter, and energy. Students will observe and practice the basics

Knoweledge And Skills Utilized And Gained

* Force, motion, and energy: The student knows that energy occurs in many forms and can be observed in cycles,m patterns, and systems (TEKS 5.6 Science)
* Explore the uses of energy including mechanical, light, thermal, electrical and sound energy (TEKS 5.6 A Science)
* Demonstrate that the flow of electricity in closed circuits can produce light, heat, or sound. (TEKS 5.6 B Science)
* Demonstrate that light travels in a straight line until it strikes an object and is reflected or travels through one medium to another and is refracted (TEKS 5.6 C Science)
* Design a simple experimental investigation that tests the effect of force on an object (TEKS 5.6 D Science)
* Demonstrate and observe how position and motion can be changed by pushing and pulling objects such as swings, balls, and wagons (TEKS 3.6 B Science)