

STEM Goals
P.S. 174
65-10 Dieterle Crescent
Rego Park, NY 11374
January 2018

Kindergarten: Students will compare how the structure of solids can become broken down by using heat and other liquids to change their state of matter.

First Grade: Students will be investigating that all sounds are created with vibrations. Students will discover creative ways to generate new sounds using basic everyday materials.

Second Grade: Students will engage in investigations to determine that two forms of matter cannot occupy the exact same space at the same time.

Third Grade: Students will create and design their own versions of a twirling wing to study rate and direction of rotation. Students will investigate creative methods of slowing down the rate of velocity at which the twirling wing falls by altering the wing style and material being used.

Fourth Grade: Students will design and construct group parachutes out of coffee filters, tissues and plastic to safely deliver a payload from the air to the surface. Students will be able to determine that different materials and designs allow the parachute to descend at a different rate of speed.

Fifth Grade: Students have created their own foam plate gliders to study the flight controls of an airplane. Students will be to manipulate the flight controls to determine the cause and effect relationship between the command and the maneuver.