

George Jr. High
Promise Standards
Physical Science 9th

- Students will be able to apply scientific and engineering ideas to design, evaluate, and refine a device that minimizes the force on a macroscopic object during a collision.
- Students will be able to design, build, and refine a device that works within given constraints to convert one form of energy into another form of energy.
- Students will be able to plan and conduct an investigation to provide evidence that the transfer of thermal energy when two components of different temperatures are combined within a closed system results in a more uniform energy distribution among the components in the system (second law of thermodynamics).
- Students will be able to generate hypotheses and then design and perform controlled experiments involving multiple variables to validly test the hypotheses. Evaluate experiments for possible sources of measurement error.