Mason Co-op
Exploring Energy with Toys - Text
Vickie Rocheleau
Grades 4-8
2nd semester class
Class Size - 8

General Class Info

This class may be taken as only a one-semester class, but you will need to prepare your student with terms, formulas, and concepts covered in the first semester before class starts. I will provide the information your student will need to know before Christmas Break.

Additional class fees - $20 max. Expect it will be less, refunds at the end of the year

NOTE: Because I will need to purchase supplies over the summer, if you are registered for this class and choose to withdraw, you will **still be responsible for the additional class** fee if there is no student who wants your place.

There will be terms and formulas for the class to **review at home**. This shouldn't take more than 15 minutes for the week, but will be vital to conducting the class efficiently.

Class syllabus in progress

Potential Energy & Kinetic Energy
Elastic Potential Energy
Energy Storage
Potential, Kinetic Energy & Work
Mass & Kinetic Energy
Force, Gravity & Energy
Law of Conservation of Energy
Effect of Surface Type on Jump Height
Energy Transfers in an Electric Circuit
Electric Motor
Chemical Energy Transformations
Magnetism
Physics in a Sword Fight
Come-back Toys
Pop Can Speedster
Rubber Band Airplane
Slingshot Physics
Catapult Gun
Homemade Roller Coaster
Energy Transformation Game
Drop n' Popper
Operation
Make your own motor
Various