

Mason Co-op
Exploring Physics with Toys - Text
Vickie Rocheleau
Grades 4-8
1st semester class
Class Size - 8

General Class Info

Maximum 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

Newton's Three Laws of Motion	Race cars
6 Simple Machines	Legos
Two Dimensional Motion	Yo-yo's
Understanding Speed	Wind-up walking toys
Potential Energy & Energy Conversion	Push-n-go Toys
Energy transformations & Centripetal Force	Darda Coaster
Storing energy & work	Explorer Gun
Bounceability	Balls
Transmission of energy using gears	Legos & Gearworks
Constant acceleration due to gravity	Hot-wheels
Conservation of angular momentum	Whirling Stopper