

PHET Quadratic Function Activities

Description

These activities use the PHET simulator online to explore different projectile motion scenarios.

Prep Work

Print a variety of the worksheets for students to choose from. Play with the simulator so you are familiar with it.

<https://phet.colorado.edu/en/simulation/legacy/projectile-motion>

Instructions

- **Pre Activity**

Have each student go to the PHET simulator.

<https://phet.colorado.edu/en/simulation/legacy/projectile-motion>

- **Activity**

Have students choose which scenario they want to explore and then work on the PHET simulator. Students may have to use outside information from Google or other source to complete the projects.

- **Post Activity**

Discuss what it took to complete the projects.

Time Required

50 minutes. Can be done outside class or part inside and part outside.
