



FOAM ROCKETS

Students will construct rockets made from pipe insulating foam and use them to investigate the trajectory relationship between launch angle and range in a controlled investigation.

Age level: grades 2-8, can be used for grades 9-12 when applying physics properties to the rocket.

Time: can take 45 minutes to 2 hours depending on the depth of science concepts applied.

County Available: King County

Science applications:

- Kinetic & Potential Energy, Newton’s Laws, Gravity, Applying the Scientific Method, interpreting data and graphing.

Kit Activity

- Youth follow directions and create a rocket out of pipe insulation. Youth learn how launch angle impacts the trajectory of their rocket. They can work in pairs or single, just communicate the number of youth using kit.



Kit Contents:

- Directions
- 12 Inch foam pipe insulation
- Gorilla Tape
- Rubber bands
- Washers
- Cardstock
- Measuring Tape
- Ruler w/paper protractor attached
- Meter Stick
- Rulers to share
- Scissors to share
- Hula Hoop or Crate paper for making target



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