

Day 1

Introduction

Newton's Laws

1. Washer Drop
2. Newton's Cradle
3. Straw Rockets

Bernoulli/ Experiments

1. Paper Bridge
2. Paper Tent
3. Sticky Papers
4. Rolling Cans

Math Mysteries: How small is a nanometer?

Day 2

Review/STEM Careers

Pro E- Lab Module

Coordinate Geometry/Battleship

Nanotechnology: Miniscule Matters

Sand, Fabric or Wire

Day 3

Review/STEM Careers

Pro E-Missions

Metric Mission

Molecular Models

Warm Ups and Cool Downs

Day 4

Review/STEM Careers

Pro E-Space Shuttle Design

Eggbert

Fluid Investigations

1. Tornado Tube
2. Pressurized Bottle Cap
3. Bell Jar with marshmallows

Engineering Process Design

Day 5

Model Rocket Launch

Test Review and Testing

Career Guides

Flight Simulator

Career Game Explorer-Computer Lab

Evaluations, Graduation, Tour