

Pre-Trip Activities



The following information and activities are provided to help your students get the most out of their trip to the Discovery.

Program name: The Physics Behind a Mousetrap Racer

Standards addressed in the program:

Language Arts: 1.1.5 With assistance, identify content-specific vocabulary in text.

8.3-5.2 – Use precise language to describe experiences, observations, and ideas.

Math: 2.2 & 1.1 Recognize, describe, label, extend, and create simple repeating patterns using symbols, objects, and manipulatives.

2.k.1 identify attributes used to sort objects.

Science/social studies: N.2.A.1 Students know tools can be used safely to gather data and extend the senses.

N.2.A.3 Students know observable patterns can be used to predict future events of sort items.

E.5.A Students understand the water cycle’s relationship to weather.

E.5.A.2 – Students know the processes of the water cycle, including the role of the sun.

Key Vocabulary to know before your trip:	Literacy Connection (books to read):
Kinetic Energy	Why do Moving Objects Slow Down? Jennifer Boothroyd
Potential Energy	Mousetrap Racers – Alden J. Balmer
Lever	Great book for teachers: Stop Faking it
Fulcrum	Force and Motion by William C. Robertson

EACH OF THE FOLLOWING ACTIVITIES SHOULD TAKE UP ½ PAGE

Pre-Trip Literacy Activity

Standard:

Activity:

Other related resources:

Pre-Trip Writing Activity

Standard:

Activity:

Other related resources:

Pre-Trip Content Activity

Standard:

Activity:

Other related resources: