Discover: Eighth Grade Unfield Trip



Join the Amazeum for an Unfield Trip!

Your Discover Unfield Trip starts here! Watch this<u>orientation video</u> for tips on how to utilize Discover with your students.

Exhibit Dive: Spongebob Puppet

Start your Virtual Unfield Trip by watching this video about the <u>Spongebob Puppet</u>, <u>Marioneta de Bob</u> <u>Esponja</u>, exhibit at the Scott Family Amazeum.

Discuss and/or write down:



What did you notice?

What do you wonder?

Have you seen anything like this before?

Literacy Connection

After watching the exhibit video, read Just like Rube Goldberg: The Incredible True Story of the Man Behind the Machines by Sarah Aronson.

Discuss and/or write down:

What medium did Rube use to create his machines? Draw your own Rube Goldberg machine.

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Activity Exploration

Watch this Chain Reactions activity video, Reacciones de Cadena video de actividad then check out the Chain Reactions activity guide, Reacciones de Cadena guía de actividades and do the activity together!

Discuss and/or write down:



NGSS Standards Addressed

- 8-PS2-1: Apply Newton's Third Law to design a solution to a problem involving the motion of two colliding objects.
- 8-PS2-2: Plan an investigation to provide evidence that the change in an object's motion depends on the sum of the forces on the object and the mass of the object.
- 8-PS2-4: Conduct and present arguments using evidence to support the claim that gravitational interactions are attractive and depend on the masses of interacting objects.
- 8-PS3-1: Construct and interpret graphical displays of data to describe the relationships of kinetic energy to the mass of an object and to the speed of an object.
- 8-PS3-2: Develop a model to describe that when the arrangement of objects interacting at a distance changes, different amounts of potential energy are stored in the system.
- 8-ETSI-1: Define the criteria and constraints of a design problem with sufficient precision to ensure a successful solution, taking into account relevant scientific principles and potential impacts on people and the natural environment that may limit possible solutions



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