

6th Grade

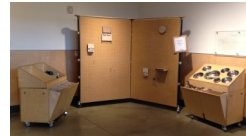
Curiosity Starters



Studio Showcase- Turntable: Kinetic Energy

Curiosity Starters

1. Put a disk or ball on the table. Compare the motion of the object on the outside to its motion on the inside of the table.
2. How long can you get a disk to balance on the table?
3. Marble wall: Build a track that keeps the marble in motion for 5 seconds. Record your track.



6th Grade

Energizer Weather & Nature: Weathering and Erosion

Curiosity Starters

1. What do you see happening at the tornado? What is the tornado made of?
2. How can you change the tornado's motion?
3. Record the patterns in the Turbulent Orb. Does it remind you of anything?
4. Put your ear up to the orb. Have another student gently tap the orb. What happens?



6th Grade



Scott Family Amazeum Unfield Trips made possible by a grant from the Walmart Foundation.

Studio Showcase- Turntable: Kinetic Energy

Tips

1. The table is spinning faster on the outside and slower on the inside. You can see the speeds when objects are in different places on the table.
2. Use a timer and your device to record how long the disk stays balanced. You can also have students choose different objects to see which one stays on the longest.
3. Have students make two different tracks to see which one works the best. The students will need to test and rebuild several times.



6th Grade

Energizer Weather & Nature: Weathering and Erosion

Tips

1. Answers will vary. Discuss the outside and inside of the tornado. The tornado is actually air that we can't see. The fog gets sucked up by the vortex so that we can see it.
2. You can change the tornado's motion by blocking the holes on the sides or below, by using your hands/body to cut it in half or by blowing into the tornado.
3. Answers will vary. Ex: The orb looks like a planet's atmosphere.
4. The water inside the orb vibrates to carry the sound and moves in a similar way to the earth's surface during an earthquake.

6th Grade

The Market sponsored by Walmart

Curiosity Starters

1. You only have 3 minutes to grab a snack before you leave. What would be a fast and healthy food to eat?
2. Make a meal with foods that you don't think would taste good together using the ChooseMyPlate mat.
3. Find the list of dairy products and record the ones with the most nutrients. Try creating a commercial for them!
4. What foods could you eat to help relieve your sore muscles?



6th Grade

The Market sponsored by Walmart

Tips

1. A few **fast** and **healthy** snacks are carrots, apples, bananas, peaches, a slice of bread, strawberries or milk.
2. Ask the Amazeum team for the ChooseMyPlate mat.
3. Dairy products that are **low in sugar** and **high in protein** such as cottage cheese, milk, yogurt and whey have the most nutrients.
4. Foods high in **potassium** (a mineral that is an electrolyte that keeps your muscles balanced)—bananas, artichokes, beets, cantaloupe, carrots, potatoes, oranges, milk, orange juice, tomatoes, strawberries and salmon—help relieve sore muscles.

6th Grade