

Discovery Theater



FANTASTIC FORCES!



March 20-21, 2025

Ages 6 to 11

1st to 5th Grade

With the Science Guys of Baltimore



Smithsonian Associates

www.DiscoveryTheater.org

ABOUT THE SHOW & THE ARTISTS

In a thrilling interactive show, young scientists embark on a STEM adventure where they take on a mission filled with electrifying obstacles. Together they attempt to defy gravity, test the limits of our velocity, and uncover the science based principals that help us navigate our way through the world.

The Science Guys of Baltimore started in 2016 and offer exciting and accessible children's science programming year-round throughout the Maryland and DC area. To learn more, please visit them online at scienceguysofbaltimore.com

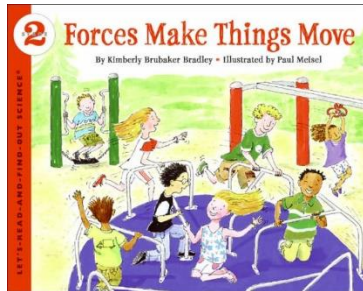


READ

Forces Make Things Move

Written by: Kimberly Bradley

When a toy car rolls or a boulder falls, it's force that makes them move. But what is force and how does it work? There are forces when you throw a ball or run up the stairs. Want to learn more about the forces around you? Read and find out!



EXPLORE

Draper Spark!Lab at Museum of American History

Draper Spark!Lab is where museum visitors become inventors, and invites children between the ages of 6 and 12 to create, collaborate, explore, test, experiment, and invent.

Learn more: [Draper Spark!Lab](http://DraperSpark!Lab)



MAKE SPRINKLES VIBRATE WITH SOUND!

Materials:

- Cup(s) or Bowl(s)
- Rubber band that fits around the cup/bowl
- Plastic Wrap
- Colored Sprinkles
- Optional: Towel/Large Plate/Tray to catch any falling sprinkles



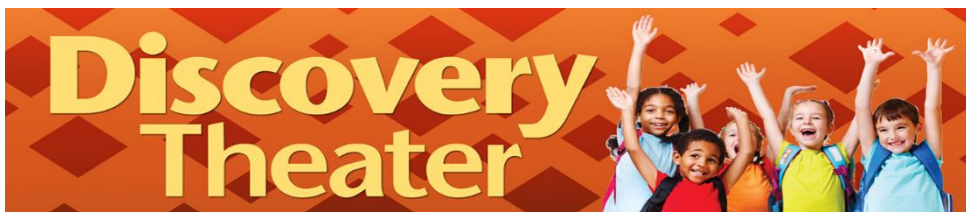
Directions:

1. Stretch plastic tightly across the top of the cup/bowl and secure with rubber band
2. Bring your lips as close to the edge of the bowl as you can without touching it and begin to hum – do you notice anything happen?
3. Add sprinkles to the top of the plastic wrap and hum again – what happens?
4. The sprinkles should start to move due to the sound waves from your humming!
5. BONUS: Use different sizes/shapes/materials for containers and sprinkles, as well as humming at different volumes or pitches to see how it changes the movement!

SMITHSONIAN CONNECTION

Smithsonian Science Education Center

Play STEM games and bring the Smithsonian into your classroom
[Game Center](#) | [Smithsonian Science Education Center](#)



Since 1979, Discovery Theater, the unique, DC-based museum theater has served as a gateway to Smithsonian exhibitions, collections, and themes. Through the joy of live stage performances, students from pre-K through 6th grade are immersed in global cultures, eco-science, living history, and traditional arts. Discovery Theater performances are created to complement students' classroom-based learning; to enrich audiences' knowledge of the arts, history, sciences, and cultures of the world; to foster a love of live theater; and to provide entertaining, educational museum-based interactive experiences.

Don't miss...

Mother Earth and Me

Wed – Fri, April 2nd- 4th and

Tues – Wed, April 29th -30th

10:15 a.m. and 11:30 a.m.



Recommended for Ages: 5 to 10/ Grades K – 5

Discovery Theater programs are made
possible, in part, by gifts from:

The Nora Roberts Foundation
Smithsonian Women's Committee

Discovery Theater • P.O. Box 23293 • Washington, DC 20026

www.DiscoveryTheater.org