

STEM Challenges

Week 5

STEM Challenge 1

Apparent Motion in Flipbooks

Have you ever been tricked by an optical illusion? Optical illusions can be fun, but they are also quite scientific. In this activity you will investigate the phenomenon of apparent motion by making your own flipbook animations.

Click on the link below which will take you to the instructions, materials and much more on how to create your very own Flipbook.

<https://www.sciencebuddies.org/stem-activities/flip-book#summary>



STEM Challenge 2

Build a Paper Rocket



Blast off! Have you ever played with a model or toy rocket, or seen a real rocket launch on TV? In this project you will make simple rockets out of paper and launch them by blowing into a drinking straw. Can you make the rocket that flies the farthest?

Click on the link below which will take you to the instructions, materials and much more on how to create your very own paper rocket.

<https://www.sciencebuddies.org/stem-activities/paper-rocket>

STEM Challenge 3

Build A Wall Marble Run



In this activity, you will use recyclable materials to make your own wall marble run. A marble run is a fun toy and a great way to learn about physics concepts like kinetic and potential energy. Do you think your marble will make it to the end of the track?

Click on the link below which will take you to the instructions, materials and much more on how to create your very own wall marble run.

<https://www.sciencebuddies.org/stem-activities/wall-marble-run>