

A STEM in the Park

Take Home Activity

STEM

in the **PARK**™

Science, Technology, Engineering, and Mathematics

Make Your Own Rain Stick

What You Need

- Paper Towel Roll
- Dried Beans or Rice
- Paper
- Duct Tape
- Toothpicks
- Sharp Object such as a pencil to poke holes



What To Do

- Poke holes in the paper towel roll with the sharp object for as many toothpicks as you want to put in your rain stick.
- Put the toothpicks through the paper towel roll, making sure they go through a hole on both sides.
- Put paper on one end, securing with duct tape.
- Pour in desired amount of rice or beans.
- Put paper on the other end, securing with duct tape.
- Flip the rain stick over and tell someone what you ear!

Continued on back



Observe...

What do you hear when you flip over the rain stick?

Learn...

When one object hits another object (like the rice or beans hitting the paper towel roll, toothpicks, and paper) it produces a vibration. Vibrations travel through the air to make sound!

Investigate...

What happens if you use beans instead of rice, or rice instead of beans? What if you use more or less of anything, such as the rice, beans, or toothpicks?

Extend...

You can use this project to talk about rainforests or the water cycle!

This activity is brought to you by the Sisters of Tau Beta Sigma-Alpha Xi!

