

**Saturday STEAM:**

**Colors of The Wind**



# **Fun Facts about Wind:**

- **Wind power actually starts with the Sun. In order for the wind to blow, the Sun first heats up a section of land along with the air above it. That hot air rises since a given volume of hot air is lighter than the same volume of cold air. Cooler air then rushes in to fill the void left by that hot air and voila: a gust of wind.**
- **Wind is the flow of gases, here on Earth it refers to the movement of air.**
- **It is caused by differences in air pressure. Air rushes from high pressure areas to lower ones.**
- **Short bursts of wind moving at high speeds are known as gusts.**
- **Depending on their strength, winds can be known as a breeze, gale, storm or hurricane.**
- **Wind direction is given by the direction from which the wind comes.**
- **Weather vanes are used to indicate wind direction.**
- **Anemometers are used to measure wind speed.**
- **A knot is a unit often used to measure wind speed.**
- **Wind can provide energy through the use of wind turbines.**
- **Sailing ships use wind to power their movement with the help of sails.**

# COLORFUL WINDSOCK

## Supplies:

- 4X11 piece of cardstock
- 12 inch dowel stick
- 3 pieces of 9 inch string, tied at the top
- 3 - 4 watercolors of your choice
- crepe paper
- tape
- sponge

## Instructions:

- Sponge 3 or 4 different watercolors all over the piece of cardstock. Let dry.
- Turn the paper over and tape several strips of crepe paper to the cardstock. Tape end pieces together.
- Attach dowel stick to the string and tape the 3 pieces of string to the inside of your windsock! It is now ready to fly!

