## Spin the Color Wheel

## Simple STEM Activities You Can Do at Home

$\left.\begin{array}{|l|l|}\hline \text { Purpose: } & \begin{array}{l}\text { The purpose of this activity is to investigate how colors interact with each other } \\ \text { as they more quickly in a circular motion. }\end{array} \\ \hline \text { Standard: } & \begin{array}{l}\text { S4P1. Obtain, evaluate, and communicate information about the nature of } \\ \text { light and how light interacts with objects. } \\ \text { a. Plan and carry out investigations to observe and record how light interacts } \\ \text { with various materials to classify them as opaque, transparent, or translucent. } \\ \text { b. Plan and carry out investigations to describe the path light travels from a light } \\ \text { source to a mirror and how it is reflected by the mirror using different angles. } \\ \text { s8P4. Obtain, evaluate, and communicate information to support the claim } \\ \text { that electromagnetic (light) waves behave differently than mechanical waves. } \\ \text { d. Develop and use a model to compare and contrast how light and sound waves } \\ \text { are reflected, refracted, absorbed, diffracted or transmitted through various } \\ \text { materials. (Clarification statement: Include echo and how color is seen) }\end{array} \\ \hline \text { Materials: } & \begin{array}{l}\text { Cardboard, string, pencil, colored pencils, markers, or crayons, scissors, glue, } \\ \text { ruler, large cup. }\end{array} \\ \hline \text { Procedures: } & \begin{array}{l}\text { 1. On a piece of paper, trace the mouth of the cup with a pen or pencil. } \\ \text { 2. Use a ruler and pencil to divide the circle into } 6 \text { even sections. } \\ \text { 3. Color each of the } 6 \text { sections red, orange, yellow, green, blue, and violet. } \\ \text { 4. Cut out the circle and glue the colored circle and cardboard together. } \\ \text { 5. Cut the circle out from the cardboard. } \\ \text { 6. With adult help, poke two small holes through the wheel near the center of } \\ \text { the circle. }\end{array} \\ \hline \text { 2. Feed the string through both holes and tie the ends together like a necklace. }\end{array}\right\}$

