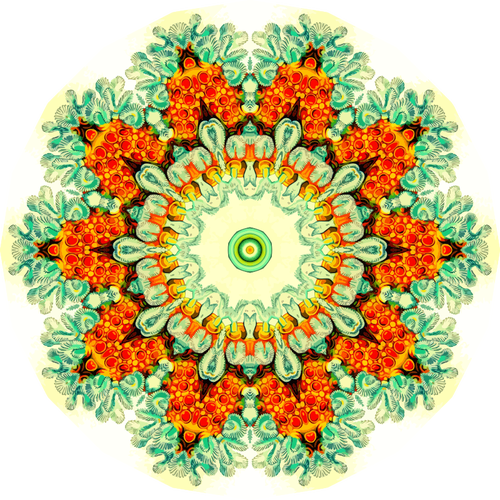
**Rotational Symmetry**

An Art Lesson for Kindergarten, 1st and 2nd Grade (Week of April 27)



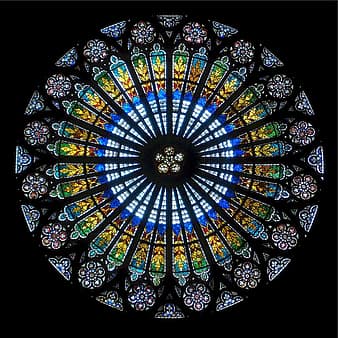
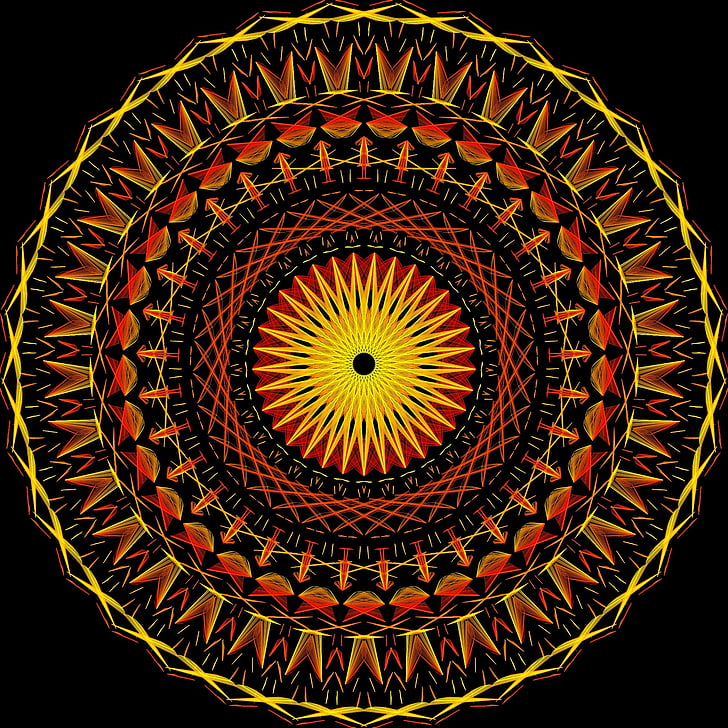
Although it sounds complicated, *rotational symmetry* is really rather simple to understand. It means that a shape, line or design goes around and around in a circle and always appears the same.

There are lots of examples found in nature that represent this idea of *rotational symmetry.* Check some of them out below:





Artists use rotational symmetry in their artworks often. Look at these artworks by different artists and notice how lines, shapes and designs repeat all around:

Rose Window, stained glass Mandala Design, India Dutch Hex Design commonly

Strasbourg Cathedral found on Pennsylvania barns

**Using Rotational Symmetry with your name**

For this artwork you will need a plain piece of white paper, a small bowl or something else round to trace, pencil, eraser, black marker, crayons or colored pencil.

Step 1: Using a bowl or something else round, trace a large circle on paper.

Step 2: Carefully cut out the circle.

Step 3: Fold the circle in half once, twice and then a third time. Once you

open the circle, you will see 8 “pie slices.”

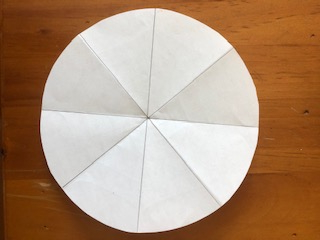
Step 4: Use your pencil to write your name within each “slice” making sure

your letters touch the top and bottom of each “slice.”

Step 5: Trace over your letters with black marker.

Step 6: Add a variety of color to your design filling in all white spaces.

Look at step examples below:

\*\*\*\*Note the name “Jenn” is repeated throughout the artwork.\*\*\*\*

**Things to think about when making your artwork:**

* Cut out circle slowly.
* If you are having trouble folding, ask an adult to help.
* When writing your name, make your letters look the same in each

pie slice. Will you use all capital letters or some lowercase letters?

* Trace your letters slowly with black marker.
* Use lots of different colors in between and around your letters. Think

about how the colors should look the same around and around too.