**RADIAL SYMMETRY PRINTMAKING**

**BIG IDEA:** Students will create a repeated print design to create radial symmetry.

**ESSENTIAL QUESTION:** How can we arrange lines to show rhythm and movement?

**KEY KNOWLEDGE:**

* Recognize radial movement as a visual concept and apply it to a composition.
* **VOCABULARY**: rhythm; movement; printmaking; brayer, bilateral symmetry, radial symmetry
* **HISTORY:**  Printmaking has its roots in prehistoric times, when humans placed their hands on cave walls and blew pulverized pigment around them to create images. Records show that woodcut printing was used by the Egyptians as early as 2000 B.C.E., but because of the perishable nature of these works, they do not exist today.  In China, 200 A.D., both fabrics and books were printed using wooden blocks at an early stage.  Eventually wood blocks were smoothed and then cut into with sharp tools. They were then inked to make prints that were handed out like posters and handbills or flyers. In the 1500s, **John Gutenberg** put rows of little wooden block letters into a printing press, and the first modern books were made. He was the first printer to use cast lead types and he invented the mechanical printing press.
* **ARTISTS** who have worked with relief printing are internationally renowned figures like Albrecht Dürer, Paul Gauguin, Käthe Kollwitz and Edvard Munch, Andy Warhol

**DESIGN PROCESS: (Activities)**

1. Brainstorm and come up with an idea.

2. Draw idea onto paper.

3. Retrace image on opposite side to create a "mirror effect".

4. Transfer image to styrofoam.

5. "Ink"/Color styrofoam with marker.

6. Ink plate four times and transfer to paper four times being sure to go in a radial design.

7. Touch up with color pencils.

**MAGNET THEME CONNECTION:**

If not for advancements in printmaking, we would never have books, newspapers and possibly the advancement of computer communications.   Commercial engineers use the principles of printmaking techniques and technology in graphics, advertisement, blueprints for construction, industry and machinery

**HOW DO I KNOW WHEN I AM FINISHED? (GOALS)**

* Final work will be a radial design made up of four block prints
* Ihave created a radial symmetry print displaying rhythm and movement.
* I have demonstrated strong use of coloring and displayed quality craftsmanship.
* I have verified with teacher if their s anything I can improve upon.

**WHEN I AM FINISHED:**

* Reflection
* I can look and read books based on the mandala
* I can create another version of a mandala
* Free draw