

## The Art of Mathematics: Mandalas

Mandalas are usually circular geometric patterns. Students will use mathematical principles to create a colorful mandala.

### 3<sup>rd</sup> Grade

#### **Kansas CCR Standards for Math:**

- 3.NF Develop understanding of fractions as numbers
- 3.G. Reason with shapes and their attributes
- MP.6 Attend to precision
- MP.7 Look for and make use of structure

#### **Kansas CCR Standards for Visual Arts:**

- VA: Cr1.2.3 Apply knowledge of available resources, tools, and technologies to investigate personal ideas through the art-making process.
- VA: Cr3.1.3. Elaborate on visual information by adding details in an artwork to enhance emerging meaning.

### 4<sup>th</sup> Grade

#### **Kansas CCR Standards for Math:**

- 4-G.3 Recognize a line of symmetry for a two-dimensional figure as a line across the figure such that the figure can be folded along the line into matching parts. Identify line-symmetric figures and draw lines of symmetry.
- MP.6 Attend to precision
- MP.7 Look for and make use of structure

#### **Kansas CCR Standards for Visual Arts:**

- VA:Cr.2.1.4 Explore and invent art-making techniques and approaches.

**The classroom teacher will need to provide the following materials for each student:**

- Large sheet of white paper (11x17 will work well)
- Cardstock or a piece of file folder, recycled is great (approximately 4"x 6")
- One paperclip
- Scissors
- Pencil
- Coloring media such as pencil crayon or marker
- Masking tape (approximately 1")