### Stage 1 - Desired Outcome

**Established Goals:**
* The entire school community from K-5 will participate in designing and constructing clay tile mosaics as outdoor signs for the living stage, the school gardens, and plots in the woods.

**NCCAS Standards:**
- **1:** VA:Cr1.1.1a, VA:Cr2.1.1a, VA:Cr2.2.1a, VA:Re8.1.1a
- **2:** VA:Cr2.2.2a, VA:Pr6.1.2a, VA:Re7.1.2a, VA:Re9.1.2a
- **3:** VA:Cr2.2.3a, VA:Pr4.1.3a, VA:Re7.2.3a, VA:Re9.1.3a
- **4:** VA:Cr1.1.4a, VA:Cr1.2.4a, VA:Cr2.2.4a, VA:Cr3.1.4a, VA:Pr5.1.4a, VA:Re7.2.4a, VA:Re9.1.4a
- **5:** VA:Cr1.1.5a, VA:Cr2.2.5a, VA:Pr5.1.5a, VA:Re7.1.5a, VA:Re8.1.5a, VA:Cn10.1.5a

**Understandings:**

**Students will understand that…**
- *…large collaborative projects can be accomplished by students of all ages and abilities.
- *…focusing on specific and specialized tasks allows diverse groups to each play a crucial part in making a cohesive work of art.
- *…no single individual or group needs to exert control over the whole project. Each group or grade level can be trusted to do their part for the good of the whole.

**Essential Questions:**
- *How can an entire student body work together toward a single artistic goal?*
- *In the process of making mosaic signs for outdoor viewing, what kind of design elements will make an image that is bold and easy to decipher?*

**Students will know . . .**
- *An assortment of ceramic processes, including: slab rolling, relief design and glazing.
- *Design techniques related to developing bold, simple imagery for outdoor viewing.
- *Mosaic construction skills.
- *Proper use of ceramic tools, glaze, mosaic adhesives and grout.

### Stage 2 - Assessment Evidence

**Performance Tasks:**
**Students will be evaluated based on:**
**K/1:** The quality of the

**Other Evidence:**
**K/1:** Students build on prior knowledge from discussions of pattern and texture.
Stage 3 - Learning Plan

Learning Activities:

K: *The teacher rolls out a slab of clay approximately 3/8” thick, and cuts it into 3”x3” squares.
   *Each student takes a square of clay and uses a large craft stick to cut it into 9 equal 1”x1” tiles.
   *The student uses a variety of ceramic tools to create designs or textures on each tile.
   *Cut some finished tiles diagonally to make triangles. These triangular tiles can be used by the older
     students accommodate some of the finer details in their mosaic designs.
   *The teacher fires the tiles in a kiln.
1: *Same directions as Kindergarten, but allow 1st graders to roll their own slabs of clay to cut.
2: *Students look at 4th and 5th grade mosaic designs and work together to decide which colors are needed
and how many tiles will need to be glazed in each color.

*The students carefully apply one coat of glaze to the textured/designed surface of 5 – 10 tiles.
*When the first coat dries, they apply a second coat.
*Repeat the process until an appropriate quantity of tiles has been glazed.
*The teacher fires the tiles again.

3: *Same directions 2nd grade.

4: *The teacher and students discuss the idea of designing mosaics for outdoor viewing. What qualities of a design make a “good” image for an outdoor mosaic? How will the materials affect the types of design that are possible?
*Each student submits at least one full color sketch (using pencils, colored pencils, crayons or markers) as a proposed mosaic design.
*Students analyze and evaluate the designs to determine whether the images are strong and whether they would be feasible as mosaics built with 1” square tiles.
*The students, or teacher, or a combination of both select an image or composite of images that make for the strongest design, and sketch it out onto the board that will become the mosaic.
*Students use adhesive to place the tiles into the design, taking into account the details and colors of the original design.
*After the adhesive has dried and the image is complete, the teacher mixes outdoor quality grout.
*Students use rubber gloves to carefully spread grout across the surface of the mosaic and into the spaces between the tiles. They wipe away the excess with sponges.
*The teacher applies at least two coats of Spar Urethane to the entire mosaic for water resistance.

5: *Same directions as 4th grade.