

Mathematics – Post-it Shape Design Lesson Plan

Kyla Baker · Practicum · Kindergarten · · 16 February 2017

Big Ideas:

- Objects have attributes that can be described, measured, and compared.

Curricular Competencies:

Students will be able to:

Reasoning and Analyzing:

- Use reasoning to explore and make connections
- Model mathematics in contextualized experiences

Understanding and Solving:

- Develop, demonstrate, and apply mathematical understanding through play, inquiry, and problem solving

Communicating and Representing:

- Communicate mathematical thinking in many ways
- Represent mathematical ideas in concrete, pictorial, and symbolic forms

Connecting and Reflecting:

- Connect mathematical concepts to each other and to other areas and personal interests

Lesson Specific:

- Identify 2D shapes
- Use small shapes to create a larger object
- Simple counting

Content:

Students will know:

- attributes of 2D shapes: exploring, creating, and describing 2D shapes

Materials:

- Blank paper
- Post-its of different sizes cut into various shapes (squares, rectangles, triangles, parallelograms, pentagrams, hexagons, rhombi, circles, and trapezoids)
- Glue sticks (may be needed if the post-its are not sticking properly)
- *Three Pigs, One Wolf, and Seven Magic Shapes* by Grace Maccarone

Lesson:

1. Read the book *Three Pigs, One Wolf, and Seven Magic Shapes* by Grace Maccarone
2. Review what the shapes were used to represent throughout the book
3. Show students the post-its cut in various shapes and explain that they will be using them to make their own representation of something
4. As a class brainstorm some ideas
5. Write those ideas down on the board
6. Hand out pieces of blank paper and send students to tables to create their shape representations – encouraging them to use various shapes
7. When students are finished, the students will participate in a gallery walk to explore the pictures their classmates made – depending on how many pictures are similar (for examples houses) we can count these as a class or we can count how many of a certain shape was used