

Circle, Triangle, Rectangle, Square...I see Shapes Everywhere



Activity: Children will use two-dimensional shapes (e.g., circle, triangle, square, rectangle, oval) to create a picture.

Objective

The children will name two-dimensional shapes and show understanding that two-dimensional shapes are equivalent (remain the same) in different orientations.

V. Mathematical Thinking

V.D.1. Recognizes and names two-dimensional shapes (circle, square, triangle and rectangle) of different size and orientation.

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Lesson

1. Begin the lesson by reading *The Shape of Things* by Dayle Ann Dodds. As you read the book explore the pictures and ask the children to help you name the two-dimensional shapes in each picture. You might say, "Here is a picture of a house. What shapes do you see on the house?"
2. Explain to the children that they will use two-dimensional shapes, like the ones they saw in the book, to create a picture on their paper.
3. Choose one of the two-dimensional shape cut outs. Demonstrate how the shape remains the same as you slide, flip, or rotate it across the paper. You might say, "Look, no matter where I slide the oval on the paper, it's still an oval."
4. Repeat step three until you have used each of the two-dimensional shape cut outs to demonstrate that each shape are remains the same in different orientations.
5. Allow the children to slide, flip, and rotate the two-dimensional shape cut outs, with teacher support and multiple experiences.

Materials Needed

Paper cut outs of two-dimensional shapes (e.g., circle, square, triangle, rectangle, oval)

Markers, crayons and pencils

Glue sticks

Drawing paper (one piece for each child)

Book: *The Shape of Things* by Dayle Ann Dodds

Checking for Understanding

Children will demonstrate their understanding of the lesson by:

- naming two-dimensional shapes and/or
- recognizing that two-dimensional shapes are equivalent (remain the same) in different orientations.

Scaffolding

- Some children may need one-on-one teacher support when sliding, flipping, and rotating the two-dimensional shapes.
- All children have teacher support when sliding, flipping, and rotating the two-dimensional shapes and multiple experiences over time.

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6. Next, glue one of the two-dimensional shapes onto a piece of paper. Use markers and/or crayons to create a picture that includes the shape you have chosen. Try to think of the picture you would like to create before you begin the lesson.

- An oval becomes Humpty Dumpty sitting on a wall.
- Two triangles become a kite flying in the sky.

7. Pass out the paper, markers, and crayons to the children. Allow them to choose a two-dimensional shape to glue onto their paper and create a picture that includes the shape they have chosen.

8. Allow the children to share their creations and name the two-dimensional shape used in their picture.