

Exploring 2D Shapes

Subject: Maths

Year Group: Year 1

Objectives:

- Recognise and name common 2-D shapes including rectangles (including squares), circles, and triangles.
- Describe the properties of 2-D shapes (e.g., number of sides, corners).

Standards:

- Geometry - Properties of Shapes: Recognise and name common 2-D and 3-D shapes, including 2-D shapes (for example, rectangles (including squares), circles, and triangles).

Materials and Resources:

- Shape flashcards (rectangles, squares, circles, triangles)
- Whiteboard and markers
- Shape sorting activity sheets
- Scissors and glue
- A variety of 2D shape objects (e.g., cut-out shapes, toys, or everyday items)
- Interactive shape games (online or physical)

Introduction (Hook):

Begin the lesson by showing students a large, colorful poster of various 2D shapes. Ask them to identify the shapes they see and share where they might have seen these shapes in their everyday lives (e.g., windows, books, pizza). This will engage their curiosity and set the stage for the lesson.

Procedure:

Direct Instruction:

1. **Introduce 2D Shapes:** Use the flashcards to introduce each shape, discussing their names and properties (e.g., "This is a triangle. It has 3 sides and 3 corners.").

2. **Demonstrate Sorting:** Show how to sort shapes based on their properties (e.g., by the number of sides).

Guided Practice:

1. **Shape Sorting Activity:** Distribute shape sorting activity sheets. In pairs, students will sort a mix of shape cut-outs into the correct categories (rectangles, circles, triangles).
2. **Class Discussion:** After sorting, have students share their findings with the class. Ask questions like, "What shape has the most sides?" or "Can you find a shape that is also a square?"

Independent Practice:

1. **Shape Creation:** Provide students with scissors and glue. Ask them to create their own 2D shape collage using cut-out shapes from magazines or colored paper. They should label each shape they use.

Differentiation/Modifications:

- **For Advanced Learners:** Challenge them to create a shape story, incorporating different 2D shapes and their properties.
- **For Struggling Learners:** Provide additional support with one-on-one guidance during the sorting activity and use tactile shapes for hands-on learning.
- **For EAL Students:** Use visual aids and gestures to support understanding, and pair them with a buddy who speaks their language if possible.

Assessment/Evaluation:

- Observe students during the guided practice to assess their understanding of shape properties.
- Review the shape collages to ensure students can correctly identify and label the shapes.
- Use a simple exit ticket where students draw one 2D shape and write its name.

Plenary:

Conclude the lesson by gathering students in a circle. Ask each student to share one new thing they learned about 2D shapes today. Reinforce the importance of shapes in the world around them and encourage them to look for shapes at home or outside.