

Geometric Shapes in Geography — Properties of Shapes

Base Sheet

The child explores geometric shapes and their properties, connecting the sensorial work with geometric solids and the geometric cabinet to real-world geography. Triangles, rectangles, circles, and polygons are examined for their sides, angles, and other needs in nature and architecture.

- Geometric cabinet insets or shape cut-outs
- Shape chart paper
- Photos of shapes in architecture and nature
- Drawing paper
- Colored pencils
- Ruler

Steps:

1. Lay out the geometric cabinet insets: circle, triangle, square, rectangle, pentagon, hexagon.
2. 'Let us look carefully at each shape. How many sides does the triangle have? How many corners?'
3. Count sides and vertices for each shape. Record on a chart.
4. 'Sides: circle=0, triangle=3, square=4, rectangle=4, pentagon=5, hexagon=6.'
5. 'Where do we see these shapes in the world?' Show photos: stop signs (octagon), windows (rectangle), wheels (circle), pyramids (triangle).
6. Go on a shape hunt around the house or yard.
7. Child draws each shape, labels it, and writes the number of sides.

Work Space:



