

# MODEL SESSION PLAN

**Topic:** Understanding Geometric Shapes, Areas, and Perimeters

**Subject:** Math (Geometry)

**Student's age:** 10-13 years

**Duration of session:** 60 minutes

## Objectives



- Recognize and identify various 2D and 3D geometric shapes.
- Calculate the area, perimeter, and volume of geometric figures.
- Create visual representations of geometric shapes using Canva.
- Develop digital literacy skills by designing infographics in Canva.

## Material/resources



- **Tool:** Canva
- Device with internet access (laptop or tablet)
- Graph paper (optional for prior sketching of shapes)
- Calculator (optional)



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## Description of the lesson

### Introduction (10 minutes):

- Start by reviewing basic geometric shapes with the student, such as squares, rectangles, circles, triangles, and 3D shapes like cubes or pyramids.
- Explain the importance of understanding how to calculate areas and perimeters for everyday applications, such as designing spaces or constructing objects.

### Exploring Canva (10 minutes):

- Open Canva together and show the student how to create geometric diagrams using the tool's drag-and-drop interface.
- Choose a template that suits math diagrams or start from a blank template to design geometric shapes.
- Discuss how visuals can aid in understanding math concepts and problem-solving.

### Designing a Geometric Infographic (30 minutes):

- Step 1: Have the student design an infographic titled "Geometric Shapes and Their Properties."
- Step 2: Guide the student in creating shapes like squares, rectangles, and circles on Canva. For each shape, ask the student to add text boxes showing formulas for calculating the perimeter and area (e.g., "Area of a rectangle = length  $\times$  width").
- Step 3: Use the shapes in the infographic to create practical math problems, such as calculating the area of a rectangle and ask student to present answers on the infographic.
- Step 4: Encourage customization with colors and fonts to make the infographic visually engaging.

### Reflection (10 minutes):

- Review the infographic together. Have the student explain the formulas and calculations they used for each shape.
- Discuss how the use of a visual aid like Canva helped make the concepts clearer and more engaging.
- Save or print the infographic for future study or as a reference for similar math problems.