

**Age Group:** Preschool (3-5 years)

**Duration:** 1 hour

**Topic:** Building Bridges with Blocks

**Learning Objectives:**

1. Introduce the concept of bridges and their purpose.
2. Encourage teamwork and problem-solving skills.
3. Develop fine motor skills and spatial awareness.
4. Promote creativity through building and designing structures.

**Materials Needed:**

1. Wooden or plastic building blocks.
2. Toy cars or small figurines.
3. Pictures of different types of bridges, such as arches, beams, and suspension.
4. A flat building surface, like a table or mat.
5. Paper and crayons for drawing.

**Preparation:**

- Place the blocks in a central area, where children can have access to them easily.
- Place picture inspirations of several bridges around the room.
- Get a small story or video of bridges to initialize it.

**Lesson Procedure:**

**1. Introduction (10 minutes):**

- Welcome the children and make them sit in a circle.
- Show pictures of different bridges, asking questions like:
  - "What is in this picture?"
  - "What do you think bridges are used for?"
- Give a very simple explanation about bridges: "Bridges help people and vehicles cross water, roads, or other spaces."
- For a few seconds, demonstrate using a toy car that cannot cross the gap without a bridge and briefly explain why it needs a bridge.

**2. Activity 1: Demonstration (10 minutes)**

- Using the blocks, construct a simple bridge, explaining your actions.
- Mention how one should have balance and stability.
- Allow children to take turns putting one block on the demonstration bridge.

### **3. Activity 2: Group Work (25 minutes)**

- Divide the children into small groups, with 3-4 children in each group.
- Give each group a set of blocks and a flat surface.
- Challenge them to build a bridge that will hold a toy car.
- Walk around the room, guiding and encouraging.
- When finished, have each group test their bridge with the toy car.

### **4. Discussion and Reflection (10 minutes):**

- Gather the children to share their bridges.
- Ask questions like:
  - "What was easy about building the bridge?"
  - "What was hard?"
  - "How did you work together as a team?"
- Celebrate their efforts and creativity.

### **5. Extension Activity (Optional):**

- Encourage the children to draw a picture of their bridge and tell about their favourite part of building it.

### **Assessment:**

- Observe students working together during the group project.
- Note problem-solving skills to overcome and adjust their design.
- Note the creativity involved and interest taken in their design of a bridge.
- Have them describe the purpose of the bridge to understand the concept behind this bridge.