

Tiles

Topic/Learning objectives of exhibit:

Geometry, symmetry, creativity, problem solving...

List of Materials Required:

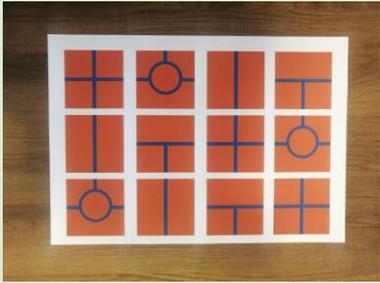
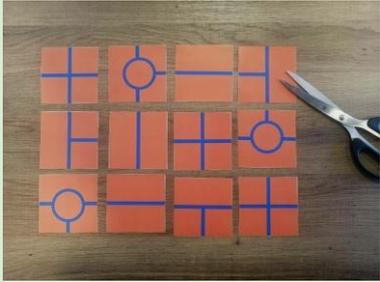
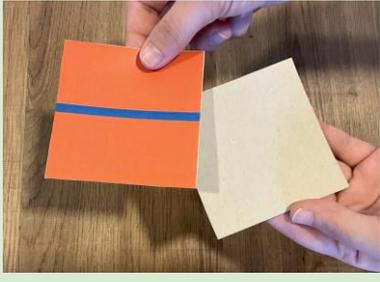
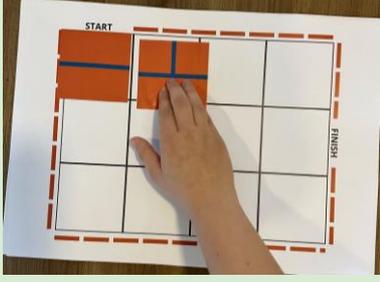
For cardboard tiles:

- A printer that does A3 impressions
- An A3 piece of cardboard
- Scissors
- Glue

Step-by-step Construction and Assembly

Estimated Time: 30-40 minutes

Step	Instructions	Picture
<p>Step 1</p> <p>Print the board and the grid</p>	<p>Print the board and the grid on A3 paper.</p> <p>To make them more durable, you can laminate the board and the grid.</p>	

<p>Step 2 Print the tiles</p>	<p>Print the tiles on A3 paper, ideally in colour.</p>	
<p>Step 3 Cut the tiles</p>	<p>Cut the 12 separate tiles.</p>	
<p>Step 4 Make the tiles more durable (optional)</p>	<p>Cut 12 pieces of cardboard of the same size as the tiles (8.5 cm x 8.5 cm). Glue the tiles to the cardboard squares.</p>	
<p>Step 5 Start forming a path</p>	<p>Start placing the tiles on the grid. Put your first tile on the starting point and make sure you form a path that leads to the finish point.</p>	

Observations

The tiles can also be 3D-printed, made out of PVC or wood, or laser cut, to make them more durable and easier to manipulate.