



Primary
Subject specific

2D to 3D shapes

Age: 8-11

Subject: Maths

Topic: Shape

Previous learning required

- Basic 2D and 3D shapes and their properties.

Learning outcomes

- To recognise 2D shapes and their corresponding 3D shapes.
- To understand what a net is and start to identify these for basic 3D shapes.

Equipment

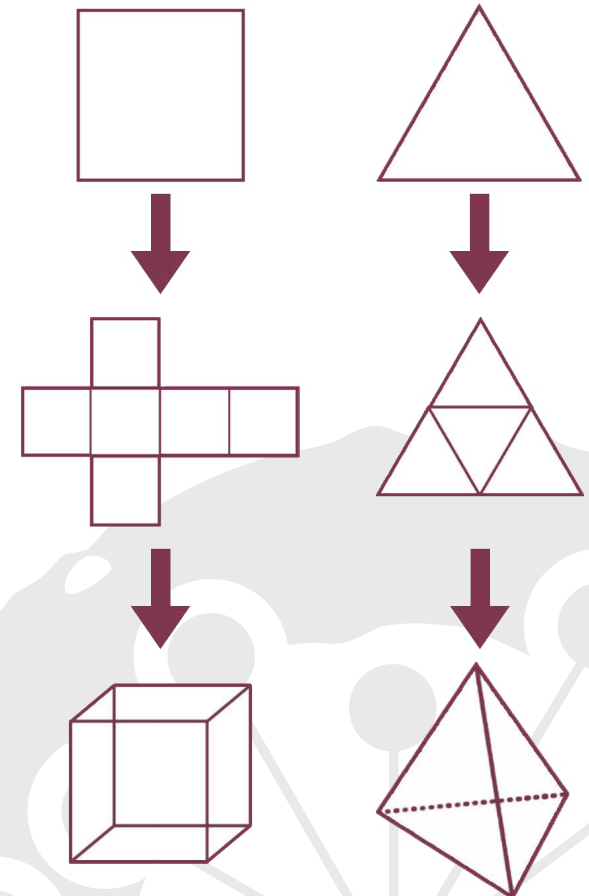
- Sticks of a similar length
- Something to secure the sticks together, e.g. playdough, elastic bands, mud etc.
- Chalk (optional)

Activity

1. In pairs, ask pupils to make a 2D square using four of their sticks.
2. Using the chalk, draw the net of a cube on the playground and share with your pupils.
3. Challenge them to make the net out of their sticks, using playdough to attach the corners together.
4. Once they have created a 2D net, invite pupils to lift the sticks and turn it into a 3D cube.

Check for understanding

1. Ask pupils to repeat the same process for a 2D triangle and a 3D triangular based pyramid.
2. Allow pupils to experiment with making the nets of both 3D shapes in a different way and see how many they can come up with.



Learning
through
Landscapes

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