



Unit: 5.6 3D Modelling

Key Learning

- To be introduced to 2Design and Make and the skills of computer aided design.
- To explore the effect of moving points when designing.
- To design a 3D Model to fit certain criteria.
- To refine and print a model.

Key Resources



2D&M

Key Vocabulary

2D

Something that has only two dimensions; height and width.

3D

Something that has three dimensions; height, width and depth.

3D Printing

The action or process of making a physical object from a three-dimensional digital model, typically by laying down many thin layers of a material in succession.

CAD – Computer aided Design

A CAD computer program or app allows you to design a 3D object or environment in 2D and visualise it in 3D on the screen from many angles.

Design Brief

A document for a design project, defining the core details, including the goal and strategy.

Net

What a 3D shape would look like if it was unfolded and opened out flat.

Pattern Fill

A tool where you can add a customised repeating pattern to the surface of the net.

Points

The points on a 3D net which create the corners of the 3D shape.

Template

Something that serves as a model for others to copy and edit.