

Unit: 3D Modelling

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.

Key Question



What are the different views of an object available in 2D Design and Make?

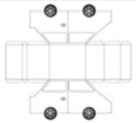
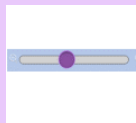
Net, points and 3D.

How is CAD software used in industry?
Give some examples.



It is used to design 3D objects in a 2D environment. Some examples are:
Architectural plans for buildings;
designing layouts for interiors;
designing objects such as packaging and designing mechanical components;
designing shoes and clothing.

Important icons

	2D Image		Net View		Fill Options
	3D Image		Clear, Undo and Redo		Magnify