



Year 5 Computing Autumn Term 3D Modelling

Key Learning

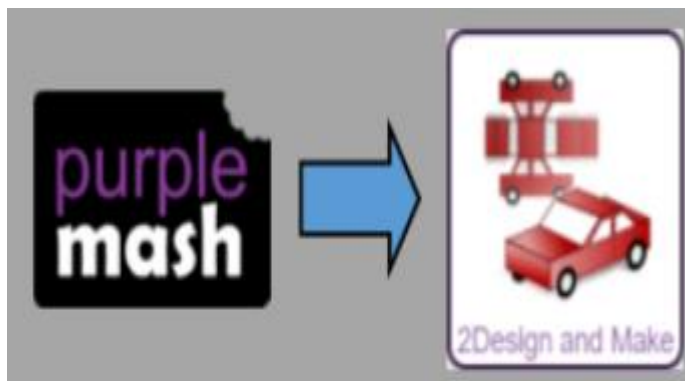
To be introduced to 2Design and Make and the skills of computer aided design.

To explore the effect of moving points when designing.

To understand designing for a purpose.

To understand printing and making.

Key Resources



Key Vocabulary

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.
Modelling	The activity of making models.
3D	Something that has three dimensions; height, width and depth.
Viewpoint	A person's opinion or point of view.
Polygon	An object with at least three straight sides and angles, and typically five or more.
2D	Something that has only two dimensions; height and width.
Net	A pattern that you can cut and fold to make a model of a solid shape.
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.
Points	An exact position or location on a 2D surface.
Template	Something that serves as a model for others to copy.

7 hours over Summer Term

2 Type Activity

Online Safety

Being a good role model

Online Safety

Confidential Information

3D Modelling: Lesson 1

To be introduced to 2Design and Make and the skills of computer aided design.

3D Modelling: Lesson 2

To explore the effect of moving points when designing.

3D Modelling: Lesson 3

To understand designing for a purpose.

3D Modelling: Lesson 4

To understand printing and making.