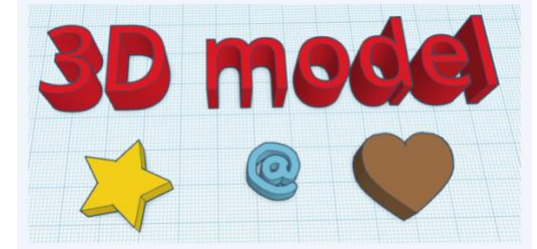




Creating Media – 3D Modelling

Year 6 Knowledge Organiser



Know how to:

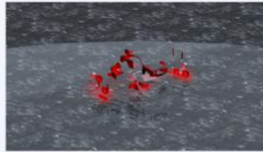
- Recognise that you can work in three dimensions on a computer
- Identify that digital 3D objects can be modified
- Recognise that objects can be combined in a 3D model
- Create a 3D model for a given purpose
- Plan my own 3D model
- Create my own digital 3D model

Key questions:

How can computer software be used to create a 3D model?

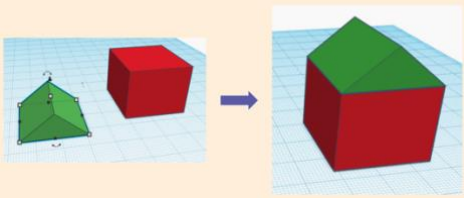
Computer based 3D modelling

Computers can be used to model real-life items. Complex 3D models such as this are actually many 3D shapes combined.



How do I combine multiple objects to create a 3D object?

Placing shapes on top of each other



What are the benefits of grouping objects?

Grouping allows you to treat multiple objects as one thus making certain actions quicker and consistent. E.g. resizing or colouring.

1. Select the items you want to group by clicking and dragging a box around them
2. Click on the 'group' button
3. Once you have grouped your objects, try moving them



Key Vocabulary	
Word	Definition
3D Modelling	3D modelling allows you to create a prototype of a future building, a commercial product in a three-dimensional format.
Group	The process of combining two or more objects in to one object.
Ungroup	The separating one object in to multiple objects.
Rotate	The process of turning an object.
Perspective	The angle or direction in which a person looks at an object.
Resize	The process of changing the size of an object.
Duplicate	Making multiple copies of one object.