

Prior Learning (Y1 Digital Painting):

Learners will develop their understanding of a range of tools used for digital painting. They then use these tools to create their own digital paintings, while gaining inspiration from a range of artists' work. The unit concludes with learners considering their preferences when painting with and without the use of digital devices.

Year 5

Creating Media 1: Vector Drawing

Current Learning (Y5):

Learners will find out that vector images are made up of shapes. They will learn how to use the different drawing tools and how images are created in layers. They will explore the ways in which images can be grouped and duplicated to support them in creating more complex pieces of work.

Future Learning (Y6 3D modelling):

Learners will develop their knowledge and understanding of using a computer to produce 3D models. They will familiarise themselves with working in a 3D space and examining the differences between working digitally with 2D and 3D graphics. Learners will progress to making accurate 3D models of physical objects, which include using 3D objects as placeholders. Finally, learners will examine the need to group 3D objects, then go on to plan, develop, and evaluate their own 3D model.

Key Vocabulary

vector
vector drawing
drawing tools
shapes
objects
icons
toolbar
resize/rotate
duplicate/copy
alignment grid
handles
consistency
layers
order
group/ungroup

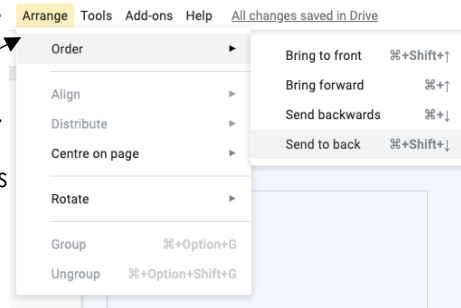
What is a Vector Drawing?

- A drawing made on the computer
- Vector drawings are made with lines and shapes
- Lines and shapes are put together to make a complete picture



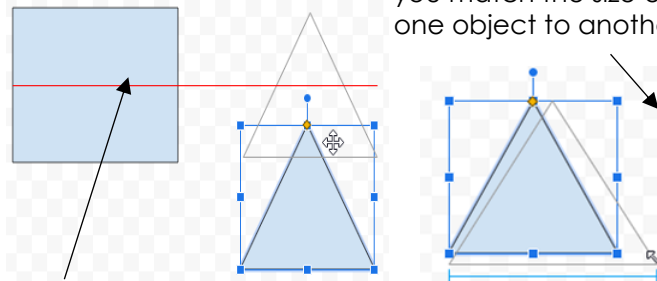
How do we layer objects in vector drawing?

We can arrange the layers in a vector drawing by using this tab. This means we can send shapes or lines to the front or back of our current image.



Notice the blue size lines. These pop up as you resize objects to help you match the size of one object to another.

Alignment and Size Guides



Notice the red alignment lines. These pop up as you move objects around and are used to help you align and centre objects.

Key Questions:

- What are vector drawings?
- How can I resize, rotate and duplicate objects?
- How can alignment grids and resize handles improve consistency?
- What are layers in vector drawing?
- How do we layer objects in a vector drawing?
- How can I duplicate and reuse a group of objects?

Tools



Draw Shapes Tool



Select Tool



Fill Tool



Line colour Tool



Zoom Tool



Line Weight Tool



Line Border Tool



Copy



Paste