

CAD – 3D Robots on Sketchup - Year 5

Key vocabulary	Definition
CAD	Computer Aided Design. Making a 3D model on a device.
3D	3 Dimensions. Width, height and depth.
X axis, Y axis, Z axis	Imaginary lines that go left and right, up and down, forwards and backwards.
Component	Part of a whole.
Perspective/view	The position or way of looking at something.
Pan	Slide the view.
Zoom	Make the view bigger or smaller.
Rotate	Turn the view around the object.

Key Knowledge and Learning:

Know why CAD is a useful design tool.
 Use tools on CAD to create a 3D model of a robot with good details.
 Evaluate and adjust work as necessary.
 Consider perspective to help using 3D.
 Add material textures and colour to make a 3D model look realistic.

