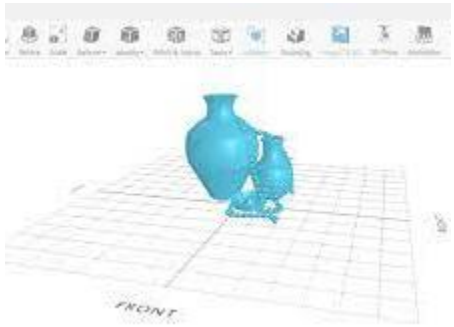
Year 5: Skills Showcase Knowledge Mat

Subject Specific Vocabulary		Information	Important Knowledge
search engine	A search engine is a software system that carries out web searches in a systematic way.		❑ I know how bit patterns represent images as pixels
CEOP	CEOP is the Child Exploitation and Online Protection Centre. It is an online website to help keep children and young people safe.		❑ I know how the data for digital images can be compressed
bit	One unit of data, that either has a value of 1 or 0. A bit is also known as a 'binary digit'.		❑ I know how to identify and explain the 'fetch, decode, execute' cycle
bit pattern	A sequence of binary digits.		❑ I know how to create a safe online profile and tinker with 3D design software
CAD	Computer-aided design, software used to create graphics, diagrams or other visuals.		I know how to modify the design of a 3D object using CAD software
compression file	Taking single or multiple files, and reducing their file size to take up less digital storage space.		❑ I know the positive and negative aspects of online communication
CPU	Central Processing Units are the brains of a computer and deal with all of the data it receives from input and output devices, as well as programs ran within the computer.		
digital image	Formed by a series of programmed pixels.		
pixel	A screen is made up of grid of pixels, each pixel is programmed to display a certain colour which when put together form an image.		