


## Mars Rover 2

Algorithm	A sequence of instructions which, when followed, solve a problem.
Binary image	An image where the pixels are made up of only two colours, such as black and white. 
Bit	One unit of data, that either has a value 1 or 0. A bit is also known as a 'binary digit'.
Bit pattern	A sequence of binary digits.
CAD	Computer-aided design, software used to create graphics, diagrams or other visuals.
Compression file	Taking single or multiple files, and reducing their file size to take up less digital storage space.
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.
Data	Information used for a specific purpose or investigation.
Digital image	Formed by a series of programmed pixels.
Encode	To convert something into a different code, for someone or something else to understand it.
Image	A picture of people or objects.
JPEG	Joint Photographic Experts Group. A popular image compression format.
Memory computer	Any hardware device that is able to store data or information.
Operating system	The base software needed on a computer for it to manage basic commands, hardware and software and provide a user-friendly interface.
Pixels	A screen is made up of a grid of pixels, each pixel is programmed to display a certain colour which when put together form an image.
RGB	Red, Green, Blue. A colour mode, that uses these three hues combined to create a spectrum of colours.

## Key facts

Digital images are formed by a series of programmed pixels.

Zoomed in to see pixels.



The RGB colour mode, uses different levels of red, blue and green light to produce a spectrum of colours.

