

Y5 – Data Handling

Data Handling - key language	
Binary code	Code used in computers using 0 and 1s.
Data	Information used for a specific purpose.
Data transmission	Passing information from one to another.
Distance	The amount of space between two objects.
Input	The process by which information is passed into a computer.
Output	The process by which information is passed out of a computer.
Signal	An electrical impulse or radio wave transmitted or received.
ASCII	Character encoding standard for electronic communication.
RAM	Random Access Memory
Simulation	Computer based simulation of real world events.

Key outcomes

To understand the types of data needed to program in outer space.

To know how objects in space transmit data back to Earth.

To understand how binary works.

To read and write in binary.

To recognise input and output systems on spacecraft.

To understand how binary relates to ASCII.

Data handling – coding language	
8-bit binary	Byte
ASCII	
Boolean	
CPU	
RAM	

Binary Value	Decimal
0000	0
0001	1
0010	2
0011	3
0100	4
0101	5