



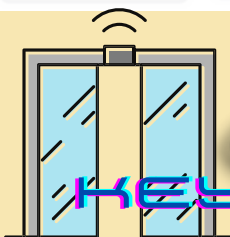
CAROLINE HASLETT KNOWLEDGE ORGANISER

COMPUTING

YEAR 6 AUTUMN 1 WHAT IS A DIGITAL DEVICE?

VOCABULARY

Base 10 The number system commonly used in day-to-day life. Using the digits 0,1,2,3,4,5,6,7,8,9 to make. Also known as decimal or denary.	Bit A single 0 or 1 in the binary system.	Gigabyte (GB) 1024 MB.
Base 2 A number system based only on the numerals 0 and 1. Also known as binary. The digits 1 and 0 used in binary reflect the on and off states of transistors.	Byte 8 bits.	Integer Any whole number. This includes negative and positive numbers but not fractions or decimals.
Binary See Base-2.	Decimal See Base-10.	Kilobyte (KB) 1024 bytes.
	Denary See Base-10.	
	Digit A single integer used to show a number.	



KEY FACTS

There are a range of input and output devices.

A computer receives input through a circuit

Programs specify the function of a general purpose computer.

There is a difference between data and information.

In a computer, everything is translated into binary stored by on and off switches that pass electronic signals to the components of the of the computer such as the sound card to make the requested sound. Or graphics card to make images appear on the screen.

SKILLS

- Recognise a wide range of digital devices and what they do.
- explain the various inputs and output connections in a simple computer.
- Understand the binary number system.

