Year 2 Computing
Autumn 1 2025

Computing systems and Networks.
IT around us.

Information Technology

Technology is the name for man-made things that help us. **Information technology (IT)** is made up of computers and things that work with computers.

IT includes computers – desktop computers, laptops, games consoles, smartphones and tables.

IT also includes devices that work with computers – USB sticks, SMART boards and digital cameras.

Key Vocabulary	Definition
appliances	A device or piece of equipment designed to perform a specific task.
barcode	A machine-readable code in the form of numbers and a pattern of parallel lines of varying widths, printed on a commodity and used especially for stock control
communication	A means of sending or receiving information, such as phone lines or computers
computer	An electronic device for storing and processing data, typically in binary form, according to instructions given to it in a variable program.
devices	Different appliances that can be used to access the internet.
entertainment	The action of providing or being provided with amusement or enjoyment
information technology (IT)	The use of computer systems or devices to access information.
internet safety	Protecting yourself while on the internet.
scanner	A device that scans documents and converts them into digital data.
signal	An electrical impulse or radio wave transmitted or received

IT in the Home	IT in the World
IT in our homes is used to: Control the tools and appliances that are in the home: The panel for the heating, setting the washing machine and programming the microwave. Help us communicate with one another: The internet and the telephone. Entertain us: toys and computer consoles.	IT in the wider world: In shops: the barcodes, barcode scanner and till work together to scan your shopping. In cash machines: the bank card and PIN card reader help you access your bank account. On roads: traffic lights, buttons, and signals work together to tell you when to cross the road.

Technology around us

Technology is something that has been made by people to help us.

Technology is 'man-made' and not natural.

IT include computers and things that work with computers.

IT is in lots of important items in our homes and around the world.

It is important to know how to use IT safely.

How IT Improves Our World

IT helps us in lots of different ways in our daily lives. IT can help to make things quicker and easier. At the supermarket, the barcodes/scanners quickly add up the product numbers and cost of the things that we want to buy.

IT can also help us to stay safe. The traffic lights, buttons and signals help us to avoid traffic when crossing the road.

IT also helps us t communicate with one another and have fun! It can connect us to the internet, and can allow us to play games, share and receive information.