

Year 2 Summer 1 Computing – Data Handling



Big Question

What's life like as an astronaut?

Key Vocabulary for the unit:

Astronaut: Someone who is trained to control a spacecraft.

Data Information: used for a specific purpose or investigation.

Digital content: Information and media such as videos and pictures stored on a computer. Experiment To trial and test new ideas.

Interactive map: A digital map which can be searched, zoomed in or out of and provide information about a place.

International Space Station: (I.S.S) A laboratory in space that orbits the Earth.

Interpret: Explain the meaning of something to someone else or to yourself.

Laboratory: A place where scientists carry out research and experiments to discover more about something.

Satellite: A computer that orbits the Earth to provide information or communication services.

Sensor: A tool or device that is designed to monitor, detect and respond to changes.

Space: A vast area around and beyond planet Earth, which is not inhabited.

Algorithm: A set of rules to calculate or solve a problem.

Thermometer A device that measures and displays the temperature of something using a scale (°C or °F).

Powerful knowledge/skills for this unit:

I can developing my touch typing.

I can create and label images.

I can collect and input data into a spreadsheet.

I can interpret data from a spreadsheet.

I can learn how computers are used in the wider world.

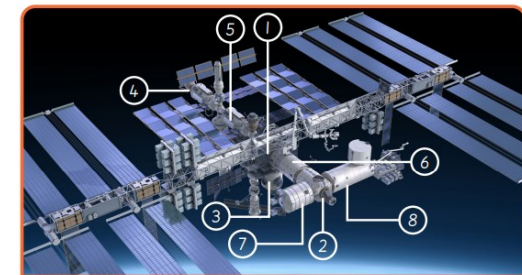
I can understand the steps to create an algorithm.

I can use data to answer certain questions.

What I should already know from Year 1:

- ◆ To know how that charts and pictograms can be created using a computer.
- ◆ To understand that a branching database is a way of classifying a group of objects.
- ◆ To know that computers understand different types of 'input'.

Useful diagrams for the unit:



1	Node 1 (Unity)	Connects U.S. and Russian modules of the I.S.S.
2	Node 2	Connects the American, European and Japanese modules.
3	Node 3	Sleeping and resting area.
4	Zvezda (Star)	Central hub for Russian astronauts.
5	Zarya (Sunshine)	Russian research module.
6	Destiny	American research module.
7	Columbus	European research module.
8	Kibo (Hope)	Japanese research module.

