Space | Year Two | Spring 2


Planets	Number from the Sun	Key features	Distance from the Sun (kilometres)
Mercury	1	Closest planet to the Sun. It turns very slowly on its axis.	57 million
Venus	2	Brightest planet. It's air is 100% carbon dioxide.	108 million
Earth	3	Where we live! Humans live on Earth. The only planet with liquid water.	149 million
Mars	4	Known as the red planet because of the oxide in the land.	483 million
Jupiter	5	The largest planet and it is very stormy there!	778 million
Saturn	6	The second largest planet. It has 18 moons.	1.4 billion
Uranus	7	The frozen planet because it is frozen. It has 27 moons.	2.8 billion
Neptune	8	The gas giant because it is made of gas.	4.4 billion

| Keywords	
Solar System	The group of objects that orbit the sun.
Orbit	Goes around a planet or star.
Axis	An invisible line around which a planet spins.
Rotate	The way an object turns.
Satellite	A machine put into orbit around the Earth used for science or communications.
NASA	North American Space Agency
Astronaut	A person who travels in space.

Key Vocabulary

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achievement	An **achievement** is something challenging that a person does well.
astronaut	A person who is trained to travel in space.
equipment	Objects that are needed for an activity, such as exploring.
expedition	A journey taken for a reason, such as exploring somewhere or something.
explorer	Someone who goes on a journey to find out about somewhere or something new.
polar	**Polar** describes anything about (or near) the North Pole or South Pole.
significant	Important and worth knowing about.
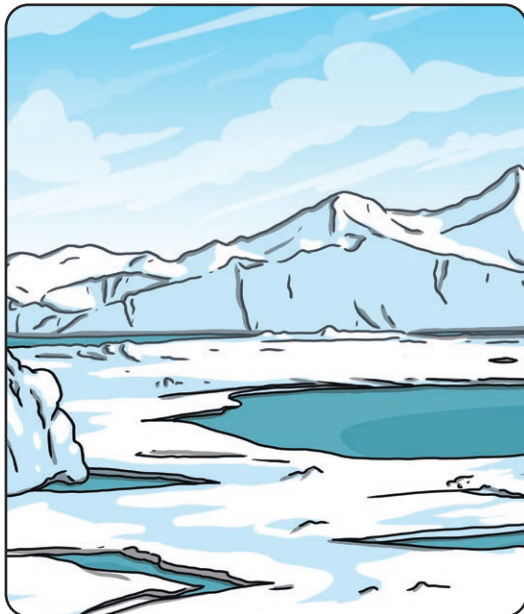
Remembering Significant People

Significant people are people who have made important **achievements**. They are often remembered in different ways.
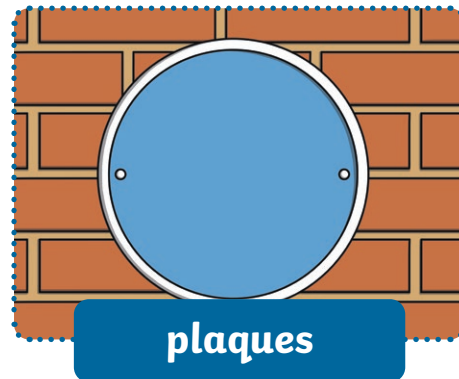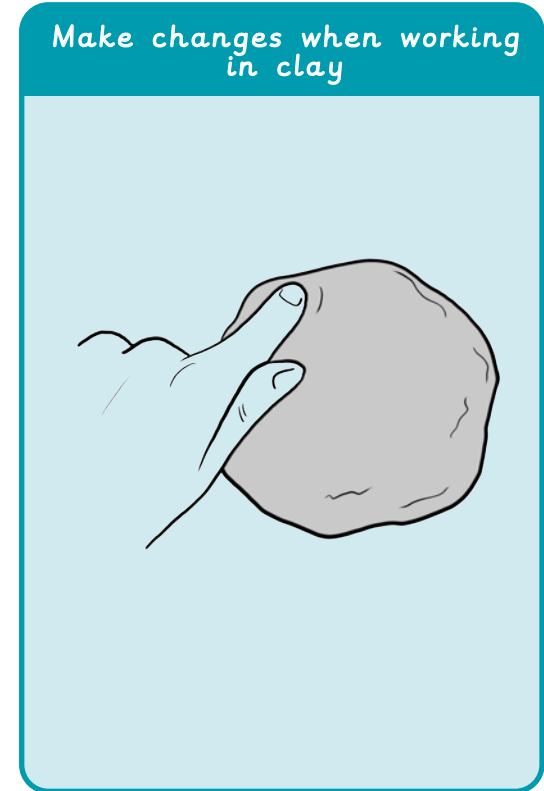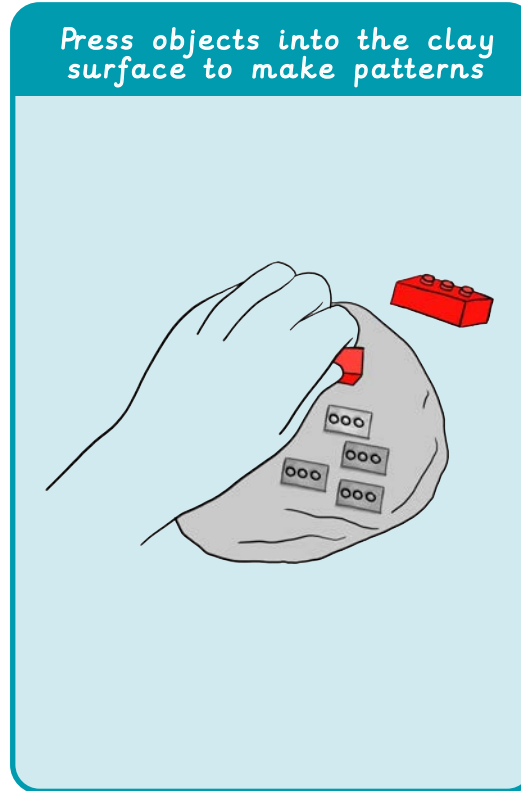
plaques

monuments

stamps
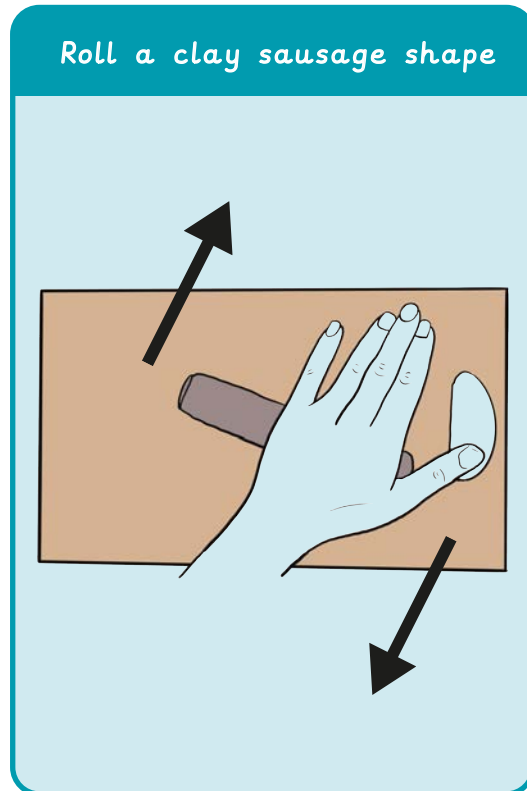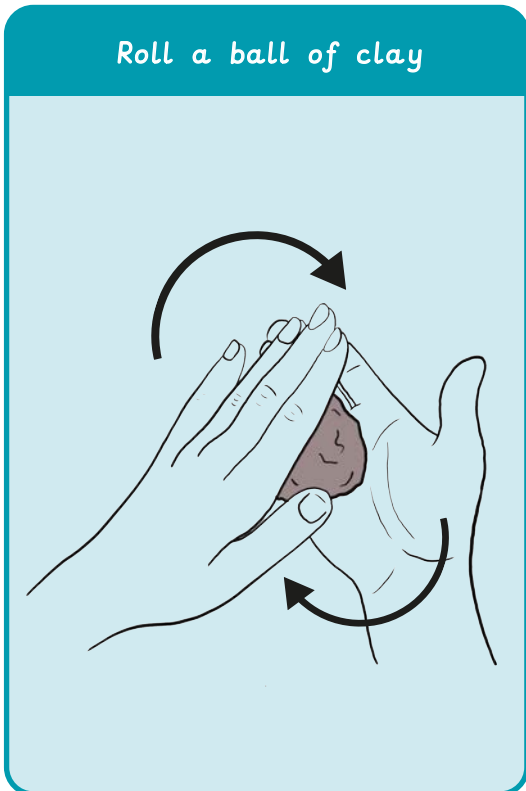
USA 22

Robert E. Peary, Matthew Henson
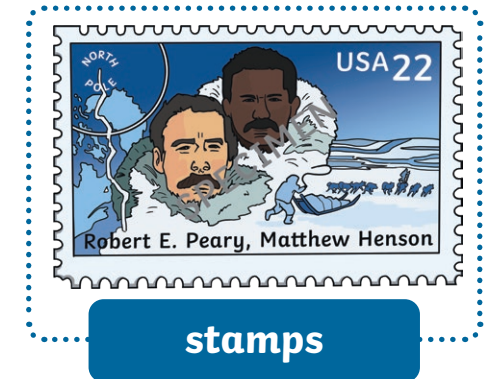
|	
Clay slip	A runny mixture of clay and water, a bit like clay 'glue'
Impress	Pushing objects into a clay surface to make interesting marks
Pinch pot/thumb pot	A simple pot formed by pushing your thumb into a ball of clay
Relief	Three dimensional parts of an artwork that are joined to a flat base
Score	Marking hatched lines into the clay surface
Sculpture	Art in three dimensions; walk all around it to look at it
Surface	The top layer of something

Artists

Ranti Bam

Rachel Whiteread

Roll a ball of clay

Roll a clay sausage shape

Press objects into the clay surface to make patterns

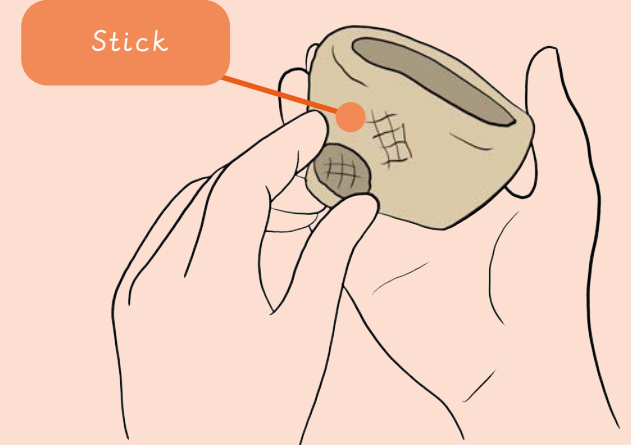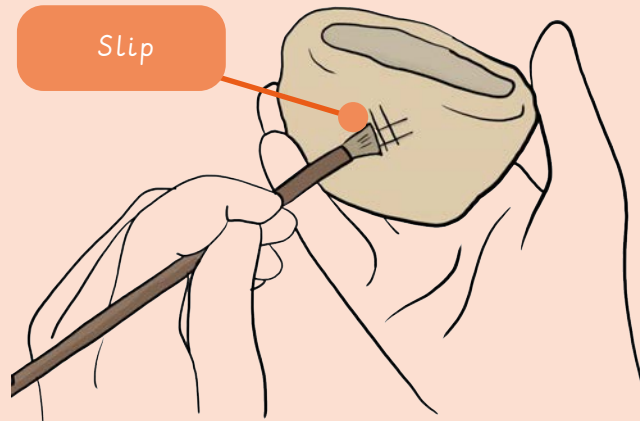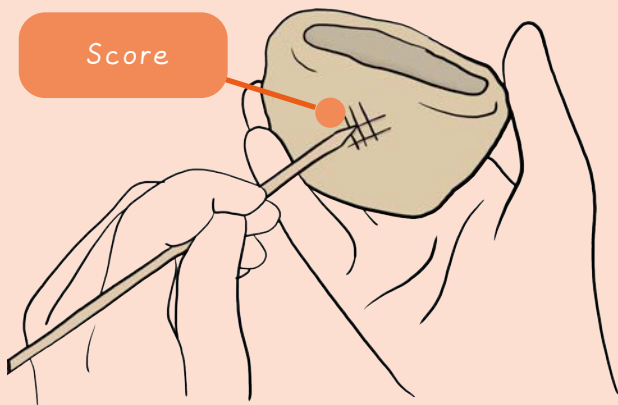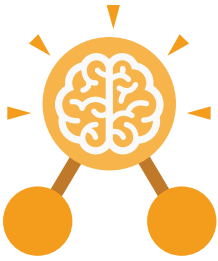### Make changes when working in clay

Mix clay slip

Mix water with clay using a brush to make a liquid

Push thumb in, smooth clay up and out

Pinch pot
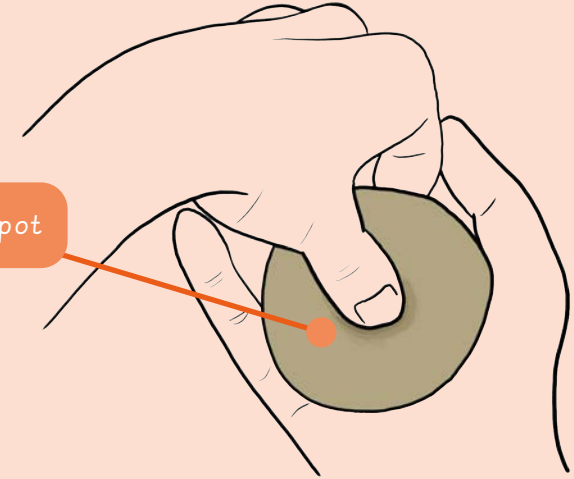
Join clay using the 'score and slip' method

Score

Slip

Stick

Unit: 2.4
Questioning

Key Learning

- To learn about data handling tools that can give more information than pictograms.
- To use yes/no questions to separate information.
- To construct a binary tree to identify items.
- To use 2Question (a binary tree database) to answer questions.
- To use a database to answer more complex search questions.
- To use the Search tool to find information.

Key Resources

purple mash

2Count   2Investigate   2Question

Key Vocabulary

Binary Tree
A simple way of sorting information into two categories.

Data
A collection of information, used to help answer questions.

Database
A computerised system that makes it easy to search, select and store information.

Field
A single piece of data in a database which makes up a record.

Pictogram
A diagram that uses pictures to represent data.

Question
A sentence written or spoken to find information.

Record
An item in a database with a variety of information about a specific entry.

Search
Looking for specific information. On a database, you can use the 'Find' tool.

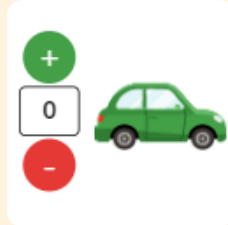**Sort**
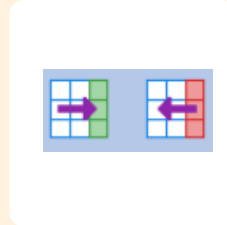Put things together by features they have in common.

2 simple

Unit: 2.4
Questioning

Key Images

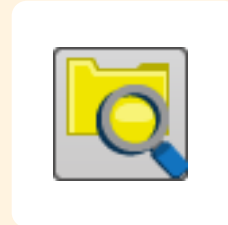Open, close or share information

Enter data into a pictogram

Add or delete columns in a pictogram

Prompt
Click to Edit
Add a question to sort the information in a binary tree

Title
Give a name to the binary tree

Find information in a database

Sort, group and arrange information in a database

Key Questions

How does a Pictogram show information?

On a pictogram, data is represented by pictures. Pictograms are set out in the same way as bar charts, but instead of bars they use columns of pictures to show the numbers involved.

How is information organised in a binary tree?

On a binary tree information is organised through a series of questions that can only be answered 'yes' or 'no'. Eventually only one item is left in the category which forms the end of a branch of the binary tree.

How can a database help organise information?

A database is a way of storing information in such a way that it can easily be searched. Databases are designed to hold lots of information that would be difficult to search without using a computer.