



Space



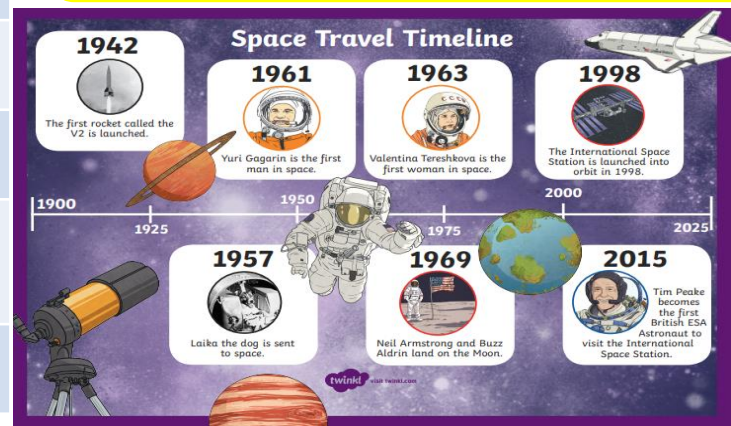
Materials

Significant individuals from the past / Materials - Would you like to travel to space?

Vocabulary

Solar system	The collection of 8 planets and their moons in orbit around the sun.
Moon	A natural satellite which orbits Earth or other planets.
Orbit	To move in a regular, repeating curved path around another object.
Astronaut	A person trained by a human spaceflight program to command, pilot, or serve as a crew member of a spacecraft.
Space station	A large artificial satellite used as a long-term base for manned operations in space.

The International Space Station (ISS) is the size of a football field. It travels at a speed of 17,500 mph at a height of 240 miles above Earth and completes an orbit every 90 minutes!



Questions to talk about at home?

When can you see the International Space Station?
 What does it look like inside?
 How do astronauts sleep, eat and go to the toilet?
 How can you apply to be an astronaut?
 What would a rocket be made out of?

Neil Alden Armstrong was an American astronaut and aeronautical engineer and the first person to walk on the Moon. His famous quote when walking on the moon was
 "That's one small step for a man, one giant leap for mankind"

Major **Tim Peake** became the first British astronaut in space for over 20 years when he blasted off for the International Space Station on 15th December 2015. He travelled in a Russian Soyuz rocket launched from Kazakhstan. He lived aboard the International Space Station for 6 months conducting experiments in microgravity and maintaining links with schools and children on Earth.

A material is any substance that has a name. For example: paper, wood, iron, air, water, clay, plastic, rubber, rock, leather, wax, metal. Everything is made up of materials. When we want to make something we need to choose the best material for the job.

The property of a material helps us decide whether or not it is the best material for that use. Materials can be grouped by their properties. The shape of solid objects can be changed by squashing, bending, twisting and stretching.

