What you have learnt already in year 3:

Chronological understanding:

I have learnt to develop my knowledge of chronology and can place periods of history I have learnt about accurately on a timeline.

I have learnt to confidently make links between areas of history I have studied in Year 3 and previously, as well as identifying similarities between them.

Vocabulary:

I have learnt to use a range of names and words from the areas I have studied in Year 3 as well as remembering a few names and words from previous study.

I have learnt to use more specific words and phrases to indicate time, talking about decades, centuries, millennium etc.

I have learnt a few words related to history in general as well as periods of history e.g. empire, parliament, civilisation etc.

Questioning:

I have learnt to ask more in-depth questions for my age to develop my understanding.

I have learnt to answer questions accurately related to the area of study and used sources to justify my answers.

Knowledge:

I have learnt to remember a range of key facts and information from areas of study in Year 3. I have learnt to identify at least two ways we gather information. I have learnt to use at least one type of source of information confidently

Key Historical Concepts:

- Chronology Empire
- Civilisation
- Wider World History
- Continuity and Change
- Cause and Consequence
- Similarity/difference/significance
- Local history
- Culture

Space – Year 4

What you will learn by the end of this unit:

I will learn in some detail about the key events in the history of space exploration and place them on a timeline

I will learn in some detail about early missions and achievements such as the Space Race between the USSR and the USA

I will learn in some detail about the launch of Sputnik 1 and the achievements of Yuri Gagarin as the first human in space

I will learn in some detail about Apollo 11 and the first moon landing I will learn in some detail about the role of the Hubble Telescope in expanding our understanding of the universe

I will learn in some detail about significant scientists and astronauts such as Stephen Hawking, Neil Armstrong, Valentina Tereshkova and Rosalind Franklin and the contributions they have made to space

exploration and scientific discovery

I will learn in some detail about the ISS and Tim Peake

Key Skills:

Apply and analyse - I will apply what I know about different historical events to what I know now and analyse these in ways which further my learning.

Describe - I will learn to use historical terminology to describe the impact of space exploration on history

Connect ideas - I will connect ideas about the history of space and science

Consider - I will consider what happened during this time period and how it has shaped the future. I will consider similarities and differences between then and now.

Question - I will question ideas and concepts that I am not sure of to gain further understanding of the history of space

Discuss/ideas/points of view - I will further my learning by discussing subjects in peer groups, seeing other's points of view and challenging my own.

Respond thoughtfully - I will learn to respond thoughtfully to questions and subjects using what I have learnt so far.

What you will learn by the end of this Key stage:

I will be able to confidently analyse the consequences of key events, actions of significant figures and developments

I will be able to confidently describe in detail different societies and periods from history and make links between features within and across different periods.

I will be able to demonstrate that I can place significant events and figures into a chronological framework

I will be able to confidently describe and analyse why there are different interpretations of events in history

I will be able to construct informed responses that involve the selection and organisation of relevant information

cultural capital:

- backgrounds
- space exploration
- involved in space exploration
- Invite guest speakers or conduct virtual interviews with professionals • in the field of space exploration
- Use inclusive language and imagery

Skills and knowledge I may use from other subjects:

distances away from the sun

them.

Literacy: I can use my reading and comprehension skills to further my knowledge of the history of space.

Art: to use craft materials to create a futuristic rocket, to sketch/paint accurate representations of the planets

Science: modelling the solar system, exploring gravity, building a rocket or drawing on what the children know already about the planets

- Economy
- Governance
- Vocabulary

Opportunities for teaching diversity, equality and expanding

• Introduce diverse figures in history of space exploration such as scientists, engineers and astronauts from various cultural

Discuss how different countries and cultures have contributed to

- Incorporate literature and media that feature diverse characters

Geography: Mapping work of the solar system. Label planets or judge

Maths: To help me work out how long-ago events happened and order

Key Vocabulary:

Astronaut - A person who travels in outer space

Cosmologist - Someone who studies the science of the origin and development of the universe

Cosmonaut - A Russian astronaut

Mission - A specific task or journey, especially one for exploration or research

Optical - having to do with the sense of sight or the eye

Physicist - An expert in the study of physics

Satellite - An object that orbits around a planet, such as the moon, or around a star, such as the Earth

Space - The area beyond Earth's atmosphere, where the stars and planets are located

Spacecraft - A vehicle designed for travel or operation in outer space

Telescope - An instrument that uses lenses and sometimes mirrors to make distant objects appear larger

Recall and Remember!





Rosalind Franklin - An important scientist who made x ray images of DNA

Early History of Space Exploration

Sputnik 1 was the first artificial satellite launched by the Soviet Union in 1957. It orbited the Earth for three months and carried a radio transmitter.



It did 1,440 orbits of the Earth during this time before it fell down into the Earth's atmosphere on 4th January 1958 and burned up. The USA was very surprised when the Soviet Union sent Sputnik 1 into space and didn't want to fall behind. They began spending more money on science and education. This was the start of the Space Race

Apollo 11

Apollo 11 was the first flight to send people to the moon. It was done by NASA, the American space group. It went up to space on 16th July 1969, carrying three astronauts: Neil Armstrong, Buzz Aldrin and Michael Collins. On 20th July 1969, Armstrong and Aldrin became the first humans to land on the moon, while Collins stayed in orbit around the moon.



The International Space Station (ISS)

The ISS is the biggest object ever flown in space. It travels around the Earth at an average speed of 27,700 KM/h, completing 16 orbits a day. At night it can be easily seen from Earth, as it flies 320 KM above us. 16 countries worked together to build the station.

Astronauts live and work on the ISS. They carry out scientific experiments both inside and outside of the space laboratory. An Automated Transfer Vehicle delivers food, fuel, equipment and other supplies to the astronauts on the ISS.

Tim Peake

Tim Peake is a British astronaut who became the first British astronaut to walk in space in 2016.

He was born on 7th April 1972 in Chichester. He became interested in flying when his father took him to air shows. When he was just 13 years old, Tim joined a military program through his school. Through this program, he learned to fly with the air force on weekends.



Important astronauts and Scientists Neil Armstrong - the first man on the moon Valentina Tereshkova - the first woman in space Yuri Gagarin - The first human in space Stephen Hawking - A celebrated cosmologist and physicist who published ground breaking research

Hubble Space Telescope (HST)



The HST is the first big optical space observatory telescope. Being above the atmosphere means it can see the sky more clearly than a telescope on the ground. It was launched on 24th April 1990 by both NASA and the ESA working together. It is the size of a large school bus.

