

# Year 1: Summer Term-Journey to Outer Space



St John  
and St Nicolas  
Schools Federation

For the good of all  
through curiosity,  
creativity and love

**Knowledge Organiser:** To develop an awareness of the lives of significant individuals and the chronology of events

## Must Haves:

- To develop an awareness of the lives of significant individuals in the past who have contributed to national and international achievements.
- To understand and explain what makes a person significant.
- To discuss the ways in which we can find out about a significant individual.
- Recall some facts** about events that happened **beyond living memory** associated with the significant individual.
- Place key events in the history of space travel on a timeline.
- Use words such as before, after, past, present, then and now to describe the history of space travel.
- Listen to adult recounts of the moon landings. Consider how reliable their memories are.
- Find answers to simple questions about the past from a range of sources.
- Explain what they know about the 1969 moon landings including what effect the landings had on history.
- Communicate their knowledge using a range of media

| Key Vocabulary                |                                                                                                                                                                              | What will I learn                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Skills and Enquiry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                               |  |      |                                                                               |      |                                            |      |                                                         |      |                                                                                   |      |                                                                                                               |      |                                                                                                                 |      |                                                                                                                                                      |      |                                                                                                                                                           |      |                              |      |                                                                                                                                  |      |                                                                                                                                                                              |
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| pioneer                       | The first person to do something.                                                                                                                                            | <p><b>Knowledge and understanding of the past events, people and changes in the past.</b></p> <p>Why was the Apollo 11 moon landing so important?</p> <p>Before the Apollo 11 flight mission, people had been in space as part of the Space Race but had not yet been to the moon. This was to be the next step in space travel On July 16th 1969, Saturn 5, was launched. There were three American astronauts on board; Neil Armstrong, Buzz Aldrin and Michael Collins. It took four days to reach the moon. Neil Armstrong was the first man on the moon. Buzz Aldrin joined him 19 minutes later. They gathered moon dirt and rocks to bring back to Earth. They also took photographs to show what the moon was like.</p> <p>The moon landing was important because it told us that people could travel there and back safely. It would also help us find out more about space and the moon. Neil Armstrong famously said, “One small step for man, one giant step for mankind.”</p> <p>What makes Neil Armstrong a significant person?</p> <p>What makes Mae Jemison a significant person?</p> <p>How are Jemison and Armstrong similar/different?</p> | <table><tr><th colspan="2">Timeline of Historical Events</th></tr><tr><td>1947</td><td>First animals sent to <b>space</b>. They were fruit flies sent on some corn.</td></tr><tr><td>1949</td><td>The first monkey is sent to <b>space</b>.</td></tr><tr><td>1955</td><td>The <b>Space Race</b> begins between Russia and America</td></tr><tr><td>1957</td><td>The first animal goes around the Earth in <b>space</b>. It is a dog named Laika.</td></tr><tr><td>1961</td><td>First man in <b>space</b> </td></tr><tr><td>1963</td><td>First woman in <b>space</b> </td></tr><tr><td>1969</td><td>Moon Landing.<br/>Neil Armstrong and Buzz Aldrin become the first people to walk on the moon. The first words they said were, “The Eagle has landed.”</td></tr><tr><td>1991</td><td>Helen Sharman becomes the first British astronaut in <b>space</b>. </td></tr><tr><td>2001</td><td>First <b>space tourist</b>.</td></tr><tr><td>2015</td><td>Scientists find evidence of water on Mars. </td></tr><tr><td>2015</td><td>Tim Peake became the first British astronaut to visit the International Space station. </td></tr></table> | Timeline of Historical Events |  | 1947 | First animals sent to <b>space</b> . They were fruit flies sent on some corn. | 1949 | The first monkey is sent to <b>space</b> . | 1955 | The <b>Space Race</b> begins between Russia and America | 1957 | The first animal goes around the Earth in <b>space</b> . It is a dog named Laika. | 1961 | First man in <b>space</b>  | 1963 | First woman in <b>space</b>  | 1969 | Moon Landing.<br>Neil Armstrong and Buzz Aldrin become the first people to walk on the moon. The first words they said were, “The Eagle has landed.” | 1991 | Helen Sharman becomes the first British astronaut in <b>space</b> .  | 2001 | First <b>space tourist</b> . | 2015 | Scientists find evidence of water on Mars.  | 2015 | Tim Peake became the first British astronaut to visit the International Space station.  |
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| 1961                          | First man in <b>space</b>                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                               |  |      |                                                                               |      |                                            |      |                                                         |      |                                                                                   |      |                                                                                                               |      |                                                                                                                 |      |                                                                                                                                                      |      |                                                                                                                                                           |      |                              |      |                                                                                                                                  |      |                                                                                                                                                                              |
| 1963                          | First woman in <b>space</b>                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                               |  |      |                                                                               |      |                                            |      |                                                         |      |                                                                                   |      |                                                                                                               |      |                                                                                                                 |      |                                                                                                                                                      |      |                                                                                                                                                           |      |                              |      |                                                                                                                                  |      |                                                                                                                                                                              |
| 1969                          | Moon Landing.<br>Neil Armstrong and Buzz Aldrin become the first people to walk on the moon. The first words they said were, “The Eagle has landed.”                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                               |  |      |                                                                               |      |                                            |      |                                                         |      |                                                                                   |      |                                                                                                               |      |                                                                                                                 |      |                                                                                                                                                      |      |                                                                                                                                                           |      |                              |      |                                                                                                                                  |      |                                                                                                                                                                              |
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| 2001                          | First <b>space tourist</b> .                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                               |  |      |                                                                               |      |                                            |      |                                                         |      |                                                                                   |      |                                                                                                               |      |                                                                                                                 |      |                                                                                                                                                      |      |                                                                                                                                                           |      |                              |      |                                                                                                                                  |      |                                                                                                                                                                              |
| 2015                          | Scientists find evidence of water on Mars.                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                               |  |      |                                                                               |      |                                            |      |                                                         |      |                                                                                   |      |                                                                                                               |      |                                                                                                                 |      |                                                                                                                                                      |      |                                                                                                                                                           |      |                              |      |                                                                                                                                  |      |                                                                                                                                                                              |
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| Significant Individual        | Significant people are people who have made important achievements. They are often remembered in different ways.                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                               |  |      |                                                                               |      |                                            |      |                                                         |      |                                                                                   |      |                                                                                                               |      |                                                                                                                 |      |                                                                                                                                                      |      |                                                                                                                                                           |      |                              |      |                                                                                                                                  |      |                                                                                                                                                                              |
| Sources                       | Primary sources are original first-hand accounts of an event, topic, or historical period.<br>A secondary source is a second-hand account that interprets primary sources.   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                               |  |      |                                                                               |      |                                            |      |                                                         |      |                                                                                   |      |                                                                                                               |      |                                                                                                                 |      |                                                                                                                                                      |      |                                                                                                                                                           |      |                              |      |                                                                                                                                  |      |                                                                                                                                                                              |
| Explorer                      | An explorer is someone who travels to places about which very little is known, to discover what is there.                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                               |  |      |                                                                               |      |                                            |      |                                                         |      |                                                                                   |      |                                                                                                               |      |                                                                                                                 |      |                                                                                                                                                      |      |                                                                                                                                                           |      |                              |      |                                                                                                                                  |      |                                                                                                                                                                              |
| Facts                         | Facts are true. They are based on evidence and can be proved.                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                               |  |      |                                                                               |      |                                            |      |                                                         |      |                                                                                   |      |                                                                                                               |      |                                                                                                                 |      |                                                                                                                                                      |      |                                                                                                                                                           |      |                              |      |                                                                                                                                  |      |                                                                                                                                                                              |
| Chronology                    | A chronology is like a timeline: it tells what happened when.                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                               |  |      |                                                                               |      |                                            |      |                                                         |      |                                                                                   |      |                                                                                                               |      |                                                                                                                 |      |                                                                                                                                                      |      |                                                                                                                                                           |      |                              |      |                                                                                                                                  |      |                                                                                                                                                                              |
| Timeline                      | A timeline is a way of visually sequencing events in chronological order.                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                               |  |      |                                                                               |      |                                            |      |                                                         |      |                                                                                   |      |                                                                                                               |      |                                                                                                                 |      |                                                                                                                                                      |      |                                                                                                                                                           |      |                              |      |                                                                                                                                  |      |                                                                                                                                                                              |
| Astronaut                     | Someone who has been to space                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                               |  |      |                                                                               |      |                                            |      |                                                         |      |                                                                                   |      |                                                                                                               |      |                                                                                                                 |      |                                                                                                                                                      |      |                                                                                                                                                           |      |                              |      |                                                                                                                                  |      |                                                                                                                                                                              |

## Timelines



**Yuri Gagarin**



**Valentina Tereshkova**



**Neil Armstrong, Edwin (Buzz) Aldrin, and Michael Collins**



**Tim Peake**

| Timeline of Events                                                                                |                                                                                              |                                                                                                                                      |                                                               |                                                                              |                                                                                                                                                     |                                                                                                                     |
|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| 12 <sup>th</sup> April 1961 - Yuri Gagarin became the first man in space, travelling on Vostok 1. | 16 June 1963 – Valentina Tereshkova became the first woman in space, travelling on Vostok 6. | 16 <sup>th</sup> July 1969 - Neil Armstrong, Edwin (Buzz) Aldrin, and Michael Collins blasted off heading for the moon on Apollo 11. | 20 <sup>th</sup> July 1969 Neil Armstrong walked on the moon. | 20 <sup>th</sup> November 1998 -the International Space Station is launched. | 15 <sup>th</sup> December 2015 - Tim Peake became the first British astronaut to visit the International Space Station, travelling on Soyuz TMA-19M | 18 <sup>th</sup> June 2016 – Tim Peake arrives on Earth after spending 6 months on the International Space Station. |

### Key Dates

|                   |                                                                                        |
|-------------------|----------------------------------------------------------------------------------------|
| <b>5.8.30</b>     | Birth of Neil Armstrong                                                                |
| <b>5.8.46</b>     | At 16 Neil Armstrong got his pilot's licence                                           |
| <b>1952</b>       | Neil Armstrong joins N.A.S.A.                                                          |
| <b>March 1966</b> | Neil's first mission into space with David Scott called the Gemini Mission             |
| <b>21.7.69</b>    | Apollo 11 went into orbit around the moon<br>Neil Armstrong first man to walk on moon. |
| <b>24.7.69</b>    | Return to Earth and land in the Pacific Ocean.                                         |
| <b>25.8.12</b>    | Neil Armstrong died aged 82.                                                           |



## Space – Neil Armstrong

| Key Information                      |                                                                                                                          |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>NASA</b>                          | Neil Armstrong was an astronaut who worked for NASA( National Aeronautics and Space Administration).                     |
| <b>Important Dates:</b>              | Neil was born the oldest of 3 children in Ohio U.S.A.<br>Neil Armstrong died on the twenty-fifth of August 2012 aged 82. |
| <b>Continent:</b>                    | North America                                                                                                            |
| <b>Space Mission:</b>                | Neil was Commander of the Apollo 11 space mission to be the first crew to orbit and land on the moon.                    |
| <b>Moon Landing:</b>                 | Neil Armstrong was the first man to walk on the moon.                                                                    |
| <b>Famous Quotes:</b>                | "One small step for man, one giant leap for mankind."<br>"The Eagle has landed."                                         |
| <b>Crew members of the Apollo 11</b> | Crew of Apollo 11 were Neil Armstrong and two other astronauts.<br>Their names were Buzz Aldrin and Michael Collins.     |
| <b>Ocean:</b>                        | Apollo 11 landed in the Pacific Ocean on their return to Earth.                                                          |

## Dr Mae Jemison Key Knowledge

|                                          |                                                                                                                                                                                                                                        |                                                                                      |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|                                          |                                                                                                                                                                                                                                        |   |
| <b>Who is Dr Mae Jemison?</b>            | <b>Mae Jemison</b> was the first African American woman to become an astronaut. She was a part of the crew of the space shuttle Endeavour, which orbited Earth for more than a week in 1992.                                           |                                                                                      |
| <b>How famous is Dr Mae Jemison?</b>     | She was one of only 15 out of 2,000 applicants accepted by NASA. Jemison entered NASA's astronaut program in 1987.                                                                                                                     |   |
| <b>What was her work like?</b>           | She read chemical engineering and joined the Peace Corps in 1983 before joining NASA in 1987.                                                                                                                                          |                                                                                      |
| <b>What is she famous for?</b>           | She was the first African American woman in space.                                                                                                                                                                                     |  |
| <b>When was she born ?</b>               | She was born on October 17, 1956, in Decatur, Alabama. She was the youngest of three children.                                                                                                                                         |                                                                                      |
| <b>What is Dr Mae Jemison known for?</b> | After retiring from NASA in 1993, Jemison founded her own company, the Jemison Group. The company created new technologies, especially to help developing countries. Jemison also created an international science camp for teenagers. |                                                                                      |