

Who Won the Race to Space? Year 2 Science Knowledge Mat

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| **Subject Specific Vocabulary** |
| **adult** | A fully grown animal or plant |
| **develop** | To grow bigger and become stronger |
| **life-cycle** | The changes living things go through to become an adult  |
| **offspring** | The child of an animal |
| **young** | Offspring which has not yet reached adult hood |
| **live young** | Offspring that has not yet hatched from an egg |
| **diet** | The food and water that an animal needs |
| **exercise** | Physical activity to keep your body fit |
| **germs** | Tiny living things that can cause disease |
| **hygiene** | How we keep ourselves and the world around us clean so we can stop germs from spreading |
| **nutrition**  | Food needed to live |
| **pulse** | The beating of your heart that you can feel in your neck and wrist |

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| **Important facts to know by the end of Animals Including Humans** |
| To grow into an adult we must eat the right types of food in the right amount. |

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| **Sticky Knowledge about Animals including Humans** |
| Some animals give birth to live young |
| Some animals lay eggs which the young hatch from  |
| Both types of young develop into an adult |
| Some offspring look like their adult when they are born |
| Some offspring do not look like their adult when they are born |
| To stay alive all animals have three basic needs for survival - air, water, food  |
| Being active and exercising keeps our bodies and minds healthy |
| To stop germs from spreading it is important to be hygienic |

 



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| **Subject Specific Vocabulary** |
| famous  | Someone who is known about by many people. |
| Significant individual | A person who has done something important. |
| chronological | Arranging something by the order of time they occurred. |
| timeline  | A graphical representation of a period of time, on which important events are marked. |
| rocket  | The word rocket can mean different things. A rocket is a type of engine that launches into space. They can be manned, (have astronauts aboard), or unmanned. |
| astronaut | An astronaut is a special kind of scientist that travels into space to study things like asteroids, the earth’s atmosphere and the moon. The word astronaut comes from the Greek words meaning ‘space sailor’. |
| cosmonaut | What the Russians call their astronauts. |
| lunar | A word relating to the moon. |
| orbit | To go around something. |

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| **Important facts to know by the end of the Race to Space topic:** |
| * 4 October 1957 - The world's first artificial satellite – Sputnik 1 (Russian)
* Fruit flies were the first living creatures to be sent into space
* 12 April 1961 - The first man in space – Yuri Gagarin (Russian) in a rocket called Vostok
* Laika was the first animal to orbit the earth
* 20 July 1969 - First man on the Moon.
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| **Sticky Knowledge about different** **The Race to Space** |
| The race to space was between two countries Russia (USSR) and America |
| In 1969 the Apollo 11 mission landed on the moon. The rocket Saturn 5 was used to blast them into space. The Eagle was the lunar module that landed on the moon. The Astronauts were Neil Armstrong, Buzz Aldrin and Michael Collins. |
| Neil Armstrong is famous for being the first man to walk on the moon, July 21st 1969. |
| After stepping onto the moon, Neil Armstrong was heard saying: “That’s one small step for man, one giant leap for mankind.” |
| The mission was extensively covered in the media. It is still the 5th most watched TV programme to date. |

