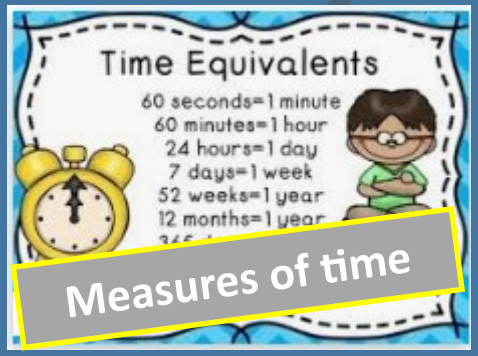
To infinity and Beyond

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Glossary

Term	Definition
Space	A zone above and around our planet, there is no air to breathe .
Planet	A non- reusable launch vehicle. Often launched into space.
Moon	A natural satellite of the earth, visible at night by reflected light from the sun.
Sun	The sun is a hot star at the centre of the solar system.
Day	A twenty-four hour period, from one midnight to the next,
Night	The period from sunset to sunrise in each twenty-four hours .
Rocket/Shuttle	A space vehicle that can burn its fuel to travel at high speeds to space.
Astronaut	People who travel into space.
Star	A fixed point in the night sky.
Solar System	The collection of eight planets and their moons in orbit round the sun .
Universe	Everything that exists, does so in the universe.
Orbit	To move around.
Satellite	A natural or artificial body that orbits around planets and the moon.
Gravity	Aa force that pulls towards the centre of the Earth.
Rocket booster	The powerful boosters which launch the rocket into space
Launch pad	Where the rocket is launched from
Constellation	A collection of stars



Measures of time

Laika

First dog in space



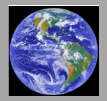
Size of planets



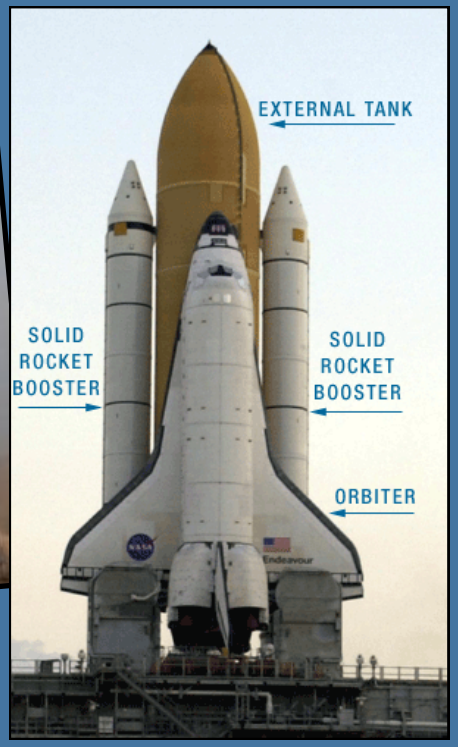
Planet song

https://www.youtube.com/watch?v=7t099KIWVVs

Powerful Knowledge

Space Travel 	You can travel to space in a rocket. If you travel to space you are called an astronaut It is extremely expensive to travel to space Astronauts can only take certain foods into space
Moon 	The first name on the moon was Neil Armstrong The Moon is much smaller than the Earth The Moon has no Gravity
Earth 	Earth is the only planet that had a liquid water on its surface The Earth orbits the sun We live on Earth





To infinity and Beyond

Phases of the moon



Some aliens have come to Earth in search of a new home.

Can you make them a new planet?

What do they need to survive?

What will they eat?

Can you make up an alien language?

Key Texts

Papa get the moon for me

Whatever Next?

Imani's moon

Working in Space

The Smeeds and the Smoods

Man on the Moon

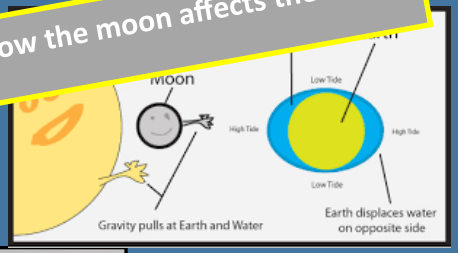
Beegu

Maui catches the sun.



Star consetllations

How the moon affects the tides.



Did you know?

1957- 4th October 1957, Russia launched the first satellite into space; Sputnik 1 and the space age had properly begun!

1957 - Russian space dog, Laika, became the first animal to orbit the earth.

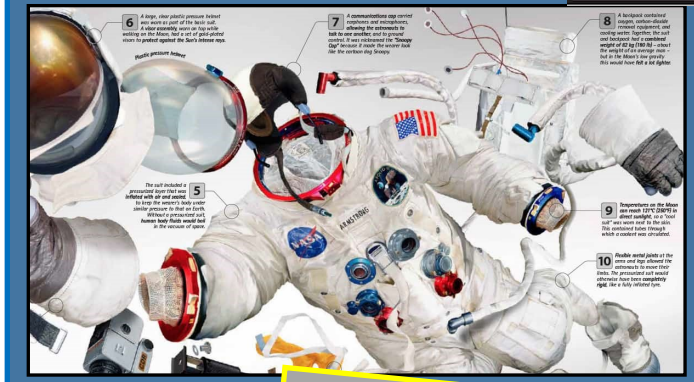
1961 - Russian Cosmonaut, Yuri Gagarin, became the first man in space.

1969 - First men on the moon. Neil Armstrong and Buzz Aldrin.

1989—Helen Sharman—first British astronaut in space.

2016 – Tim Peake (British), first British person to visit the International Space Station

Space Suit



Living in space

https://www.bing.com/videos/search?q=hair+washing+in+space+video&view=detail&mid=D7F868C4



Food in space







The Arts



Chesney Bonestell



Vincent Van Gogh
Starry Night

Connectivity

To infinity and Beyond

Connectivity

Prior learning

- Rockets and space toys



Current learning

- How do people travel into space?
- Who was the first man on the moon?
- Is it only humans that have been into space?
- What are the people called that travel into space?
- How many planets are there?
- Which planet do we live on?
- What is the hottest planet?
- What does gravity mean? How do we know it exists?
- How do we get night and day?
- How long is a day?
- What do astronauts wear?

Future learning

- Space
- Phases of the moon
- Measures of time



Curricular links:

Literacy—writing lists, descriptions, labeling
Art—looking at famous artists, papier mache,
PE—walking in different ways, walking in space suits, walking without gravity

Use of this document

Reach2 would like to acknowledge at the pictures and information contained in this knowledge organiser have been sourced from a variety of websites and did not produce the orginal content but did in fact put it together to form a topic overview and support for teachers.

Websites used include (although, this is not an extensive list):

- **Google images**
- **TES**
- **Twinkl**
- **http://www.sciencekids.co.nz/sciencefacts/space/sun.html**
- **https://www.planetsforkids.org/star-sun.html**
- **https://www.youtube.com/watch?v=7t099KIWVVs**
- **http://www.funkidslive.com/wp-content/uploads/2015/03/space-suit-made-of.jpg**
- **https://www.bing.com/videos/search?q=hair+washing+in+space+video&view=detail&mid=D7F868C4A65D4BB2F237D7F868C4A65D4BB2F237&FORM=VIRE**
- **https://www.nasa.gov/kidsclub/index.html**