**Year 1 Space Knowledge Organiser**

* The planet that we live on is called ‘Earth’.
* It is the third planet from the sun.
* Earth is 4.5-billion-years-old.
* 70% of the Earths surface is covered in water.
* Stars are made from different gases and they do not actually twinkle.
* There are different kinds of stars – Super giants, giants, main sequence and dwarfs.
* The first man in space was a Russian astronaut called Yuri Gagarin in 1961.
* The first man on the moon was an American astronaut called Neil Armstrong in 1969.
* The first women in space was a Russian astronaut called Valentina Tereshkova in 1963.
* The first British astronaut was a woman called Helen Sharman in 1991.
* Our solar system is called the Milky Way.
* The order of planets is:

Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune.

* The Sun is not a planet, but it is a star.
* The International Space Station (ISS) is orbiting the Earth right now.
* A comet is a small chunk of dust and ice that orbits, or travels around the Sun.
* An asteroid is a chunk of rock and metal in outer space that is in orbit around the Sun.

**Key vocabulary:**

Astronaut, asteroids, comet, stars, satellite,

Earth, Jupiter, Mars, Mercury, Neptune, Saturn, Venus, Uranus,

Moon, Sun, planet, rocket, galaxy.

**Picture of our solar system – Milky Way**

A picture containing star, light, blue, sitting

Description automatically generated



**An astronaut in a space suit.**

A picture containing snow, outdoor, person, man

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A picture containing train, transport, outdoor, track

Description automatically generatedA satellite in space

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**Did you know?**

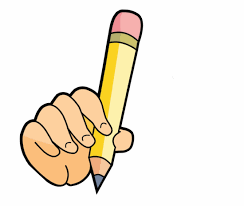
There are more stars in the universe than grains of sand on all the beaches on Earth. That’s at least a billion trillion!

A picture containing drawing

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**Homework tasks**

|  |  |  |  |
| --- | --- | --- | --- |
| **Maths** | **English** | **History/Geography/Science** | **Art and DT** |
| Place value to 50.  Can you count to 50? Write a number line with all the numbers to 50. | Write a fact file about a planet. | Can you find and write a list of astronauts that have been to the moon? | Draw and name the planets  making sure that you use the correct colours. |
| Addition and subtraction.  Split a piece of paper in two and write some addition and subtraction number sentences. | Create your own planet and write about what it is like there. | What do astronauts need to live in space? Draw a poster or write a list. | Research what astronauts eat. Design an astronaut’s menu! |
| Shapes.  What shapes can you see in your house or outside. Write a list of what they are, what shape they are and where you can see them. Which are 3D and which are 2D? | Create a space poster. This could be about rockets, planets, astronauts or the solar system. | What are asteroids and comets? Where do we see them? How do we see them?  Answer these questions on paper and then draw some pictures of asteroids and comets. | Draw a space scene, using what you know. This could be a rocket, a planet, an astronaut or even an alien. |
| Count in 2’s and 5’s.  Can you count to 100 in 2’s and 5’s? Can you write down all the numbers to 100? Colour the numbers used to count in 2’s in one colour and the numbers used to count in 5 in another. | Write a short story about ALIENS. | What is a rocket? Can you design a rocket and label the key features? | Design and create a space suit or helmet. |

[](https://www.google.co.uk/url?sa=i&url=http%3A%2F%2Fclipartandscrap.com%2Fpencil-clipart_374%2F&psig=AOvVaw2FwLkzllGByqULlRMNdjlZ&ust=1582667286154000&source=images&cd=vfe&ved=0CAIQjRxqFwoTCIiCv5yV6-cCFQAAAAAdAAAAABAV) **Here’s some space for you to design your own homework tasks!**

**Have fun!**

**Task 1:**

**Task 2:**

**Task 3:**