



# St Luke's C of E Primary School – Topic Overview

## Year 5 – To infinity and beyond...

### Enquiry Questions

What is space like?

What would it be like to live on a different planet?

How is a rocket launched?



#### Key Vocabulary:

orbit, star, solar system, galaxy, nebula, gas giant, satellite, light years, interstellar, black hole, supernova, gravity, aerodynamics

### National Curriculum

As authors, the children will be writing a newspaper report on a mysterious alien landing. They will also be writing biographies and technical recounts as if they were astronauts.

As mathematicians, the children will be looking at the four operations: addition, subtraction, multiplication and division. They will be exploring these and utilising them in many different contexts.

As scientists, the children will be exploring space. We will look closely at the planets and how they orbit the sun. They will develop an understanding of why the moon appears to change shape and how we have day and night. As well as so much more!

As artists, the children will be creating drawings and painting of planets using a variety of techniques. Colourful oil pastel, water colour and chalk compositions will be created.

*Successful Learners, Confident Individuals, Responsible Citizens*



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As engineers, the children will be designing and launching their own rocket to protect an eggstronaut. We will be exploring aerodynamics and rocket design.

Home Learning should build your skills and confidence. Please challenge yourself to a selection of these tasks over the course of the topic and bring in what you have done to share with your teacher. Try to complete one from each section!

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<p><b>Verbal</b> I enjoy reading, writing &amp; speaking</p>	Read some space news. Has anything exciting happened recently?	Explain what you know about the planets to someone else. Perhaps create a poster of information to help them remember.	Write a story about an alien visiting our planet.	Write an explanation text about what might be like to live on another planet.
<p><b>Mathematical</b> I enjoy working with numbers, science and computers</p>	Go outdoors at night and stargaze. Can you spot any constellations? Keep a diary of what you can see.	Research astronomers throughout history.	Calculate how long it would take to get to a planet of your choice.	Create a video or PowerPoint about our galaxy or stars.
<p><b>Visual</b> I enjoy painting, drawing &amp; visualizing</p>	Draw constellations and join the dots. How many shapes can you create?	Design your own moon buggy.	Create a poster about your favourite planet.	What do you think aliens look like? Draw a picture!
<p><b>Kinaesthetic</b> I enjoy doing hands-on activities</p>	Create a model of a planet and find out facts that you can share with the class.	Create your own space themed Top Trumps cards and play them with a friend.	Design your own space suit and label all the features.	Make a mobile or model of the solar system.
<p><b>Musical and dance</b> I enjoy making and listening to music</p>	Create a song that is out of this world!	Create a dance that is inspired by the planets – perhaps use the music Holst wrote about each of the planets.	Make a rap to help people remember the order of the planets.	The Voice (alien edition). Can you sing like an alien?

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