

Year 1 Spring 1

# Out of this World

## BIG QUESTION...



## How big is the universe?

Have you ever looked up to the night sky and thought...  
WOW, what an incredible view...I wonder...?

Well, climb into your spacesuits, jump on board *Spaceship Carlisle* and strap yourselves in as we are going on an adventure into our solar system.

This topic will explore diverse famous figures who contributed to space travel, an astronaut training day involving science investigations and the design and creation of a moon buggy.



## In this topic, you will...

<p><b>Reading</b></p>	<ul style="list-style-type: none"> <li>• Revise phonics sounds daily.</li> <li>• Practise reading alien (nonsense) words</li> <li>• Apply sound buttons to read familiar and unfamiliar words</li> <li>• Read common exception words</li> <li>• Read words containing –s and –es endings</li> <li>• Read words of more than one syllable</li> <li>• Begin to notice and correct ‘marvellous mistakes’ when reading</li> <li>• Read aloud accurately books that are consistent with your developing phonic knowledge</li> <li>• Re-read these books to build up fluency and confidence in word reading</li> <li>• Read and share a range of stories linked to Space do develop vocabulary</li> <li>• Continue to build a love of reading during golden reading time where the children can read anything they like from comics, children’s newspapers, stories, non-fiction with their friends</li> <li>• Begin daily guided reading sessions in a small group with peers, developing confidence and discussion with support of an adult</li> </ul>
<p><b>Writing</b></p>	<ul style="list-style-type: none"> <li>• Begin to name the letters of the alphabet</li> <li>• Begin to write capital letters correctly</li> <li>• Write lists, facts and labels</li> <li>• Compose a sentence orally before writing it</li> <li>• Write simple sentences that start with a capital letter and end with a full stop</li> <li>• Use finger spaces in between words</li> <li>• Write simple first person recounts based on personal experience using adverbs of time to aid sequencing</li> <li>• Begin to use conjunctions to join ideas (and, but, or)</li> <li>• Know what nouns, adjectives and verbs are</li> <li>• Begin to write expanded noun phrases (including adjectives, nouns and verbs)</li> <li>• Retell stories based on our Space topic books</li> <li>• Create non-fiction writing about significant individuals and significant events linked to our history focus on Space</li> <li>• Hold a pencil comfortably and correctly</li> <li>• Ensure letters are formed correctly, of a similar size and are sitting on the line</li> <li>• Begin to join letters</li> </ul>
<p><b>Mathematics</b></p>	<ul style="list-style-type: none"> <li>• Form the digits 0-9 correctly</li> <li>• Read and write numbers from 1-20 in numerals and words</li> <li>• Count forwards and backwards to 50</li> <li>• Represent numbers to 50</li> <li>• Know one more and one less than a given number</li> <li>• Understand the place value of a 2 digit number– tens and ones</li> <li>• Know number bonds to 10</li> <li>• Read, write and interpret mathematical symbols e.g. + - and =</li> <li>• Solve addition and subtraction problems within 20</li> <li>• Begin to compare number sentences using the &lt; and &gt; symbols</li> </ul>
<p><b>Science</b></p>	<ul style="list-style-type: none"> <li>• Observe and describe weather associated with Winter and how day length varies and gather and record data by making tables and charts about the seasons/weather</li> <li>• Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water and rock</li> <li>• Distinguish between an object and the material from which it is made</li> <li>• Sort objects and materials by their properties</li> <li>• Say if a material is magnetic or not and describe it’s properties</li> <li>• Astronaut Training Camp <b>Science Day</b> <ul style="list-style-type: none"> <li>○ insulator investigation (what materials will keep the warm water warm)</li> <li>○ space food (dehydrated and then rehydrated foods). e.g. cupa soup, freeze dried strawberries.</li> <li>○ teamwork activity, blind folded and following instructions to solve a jigsaw puzzle while wearing gloves</li> </ul> </li> </ul>

## In this topic, you will...

<b>Art and Design</b>	<ul style="list-style-type: none"> <li>• Begin to comment upon the works of great artists – Peter Thorpe</li> <li>• Use drawing to develop and share their ideas, experiences and imagination</li> <li>• Develop drawing focusing on line, shape, form and space.</li> <li>• Evaluate what went well in an art activity.</li> <li>• Observe and sketch natural objects.</li> </ul>
<b>Computing</b>	<ul style="list-style-type: none"> <li>• Understand and explain what an algorithm is</li> <li>• Follow instructions precisely to carry out an action</li> <li>• Understand that computers and devices around us use inputs and outputs</li> <li>• Understand and be able to explain what 'decomposition' is</li> <li>• Know how to debug an algorithm</li> </ul>
<b>History</b>	<ul style="list-style-type: none"> <li>• Use a range of sources to find out about the past</li> <li>• Explore a significant event beyond living memory (Neil Armstrong first man on the Moon.)</li> <li>• Explore a significant event beyond living memory (Laika the dog).</li> <li>• Explore the life of a significant individual from the past (Katherine Johnston.)</li> <li>• Explore the life of a significant individual from the past (Mae Johnson.)</li> <li>• Explore the life of a modern day significant individual comparatively (Tim Peake).</li> </ul>
<b>Design and Technology</b>	<ul style="list-style-type: none"> <li>• Know what a product is and what a material is.</li> <li>• Design a moon buggy using wood and card</li> <li>• Use a range of materials and components to make a moon buggy</li> <li>• Make simple judgements about your products and ideas and suggest how your product could be improved</li> </ul>
<b>P.S.H.E</b>	<ul style="list-style-type: none"> <li>• Set simple goals</li> <li>• Set a goal and work out how to achieve it</li> <li>• Tackle a new challenge and understand this might stretch my learning</li> <li>• Identify obstacles which make it more difficult to achieve my new challenge and can work out how to overcome them</li> <li>• Tell someone how I felt when I succeeded in a new challenge and how I celebrated it</li> </ul>
<b>Physical Education</b>	<p>Indoor PE will continue to focus on;</p> <ul style="list-style-type: none"> <li>• Travelling movements, balancing, stability and taking off and landing safely on our large apparatus equipment.</li> </ul> <p>Outdoor PE sessions will focus on;</p> <ul style="list-style-type: none"> <li>• Ball skills, including rolling, kicking, jumping, throwing, catching, bouncing and dribbling.</li> </ul>
<b>Religious Education</b>	<ul style="list-style-type: none"> <li>• Know what it means to belong to different groups</li> <li>• Know how a religious group would welcome someone new</li> <li>• Know how our actions reflect our values</li> <li>• Key speaker religious visitors – to find out what is important to them</li> </ul>
<b>ALZ</b>	<p>The ALZ or Active Learning Zone is a separate area to the classrooms run by a dedicated member of staff, six children from each class access the provision each session. Children are able to explore their learning in an active and practical manner and are set challenges and tasks which extend their learning and problem-solving skills. The teacher can use these opportunities to observe learning and make assessments.</p>

## TOP 5 WORDS to know by the end of this topic:



Earth

Planets

Gravity

Asteroids

Astronauts

## Useful websites to enhance learning:

<https://www.topmarks.co.uk/english-games/5-7-years/letters-and-sounds>

<https://www.ictgames.com/>

<https://www.youtube.com/watch?v=VQgizwwvqNk>

<http://www.letters-and-sounds.com/phase-4-games.html>

<https://www.phonicsplay.co.uk/>

<https://www.topmarks.co.uk/maths-games/hit-the-button>

<https://www.bbc.co.uk/cbeebies/topics/space>

## Great books you could read:

