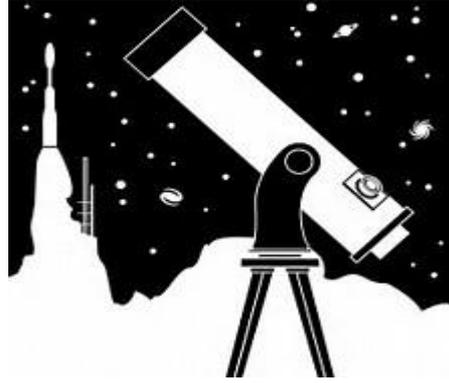




## Year 5 Autumn curriculum information – Stargazers



Dear Parents/Carers,

“Houston, we have a problem...”

Join us in Year 5 as we journey to *The Final Frontier*: is there life out there? Navigate beyond the Sun, the magnificent, blazing star at the centre of our solar system! Investigate the eight planets and how the moon orbits Earth. Then it's three, two, one... BLAST OFF! Exploring space is probably the greatest adventure that humankind has ever undertaken but are we alone?

*“Ground control to Major Tom  
Commencing countdown,  
Engines on  
Check ignition and may God's  
Love be with you...”*

**Space Oddity – David Bowie**

### English

**Suspense and Mystery – Cosmic by Frank Cottrell-Boyce**

**Discussion –** The space race. Is it worth the money to explore so much of space? Should we send animals to space?

**Report -** A researched planetary body/ star constellation

**Poetry –** Cinquain poems about Space: Earth, Moon and Stars

**Take one book –** Discussion and debate the importance of money, based on *Billionaire Boy* by David Walliams

#### **Heavy Grammar Focuses:**

- Converting nouns or adjectives into verbs using suffixes ( -ate; -ise; -ify)
- Verb prefixes ( dis-, de-, mis-, over- and re-)
- Relative clauses beginning with who, which, where, when, whose, that or an omitted relative pronoun
- Indicating degrees of possibility using adverbs
- ( perhaps, surely)
- Modal verbs ( might, should, will, must)
- Devices to build cohesion within a paragraph (then, after, that, this, firstly)
- Using brackets
- Using dashes and commas to indicate parenthesis

	<ul style="list-style-type: none"> <li>Using commas to clarify meaning or avoid ambiguity</li> </ul>
Maths	<ul style="list-style-type: none"> <li>Place Value and Rounding of Large Numbers Interpret Negative Numbers</li> <li>Place Value of Numbers with up to Three Decimal Places</li> <li>Multiply and Divide by 10, 100 and 1,000 Properties of Number – Multiples, Factors and Common Factors Prime and Composite Numbers</li> <li>Multiply and Divide Mentally Solve Problems Involving Knowledge of Key Facts</li> <li>Add and Subtract Using a Range of Strategies</li> <li>Add and Subtract Using Formal Written Methods</li> <li>Formal Written Method for Multiplication</li> <li>Formal Written Method of Short Division</li> <li>Equivalent Fractions Compare and Order Fractions Adding and Subtracting Fractions</li> </ul>
PE	<ul style="list-style-type: none"> <li>Gymnastics – Wednesday</li> <li>Skills and games - Thursday</li> </ul>
Topic focus: SCIENCE	<p>ENGAGE:</p> <ul style="list-style-type: none"> <li>Name the eight planets of the solar system and their position relative to the Sun and neighbouring planets. Learn about the key forces acting on celestial bodies and explain night and day.</li> </ul> <p>DEVELOP:</p> <ul style="list-style-type: none"> <li>Describe what a moon is, how they maintain an orbit around a planet and which planets have them, in our solar system.</li> <li>Take measurements using a range of scientific equipment with increasing accuracy.</li> <li>Describe the force of gravity, how it changes and what causes it.</li> </ul> <p>INNOVATE:</p> <ul style="list-style-type: none"> <li>Design a rocket.</li> <li>Test the materials.</li> <li>Record data with precision.</li> </ul> <p>EXPRESS:</p> <ul style="list-style-type: none"> <li>Discuss the big question: Why is there life on Earth?</li> <li>Deliver a presentation on their findings.</li> </ul>
Computing	<p>Game development:</p> <ul style="list-style-type: none"> <li>-Learn how to code simple instructions</li> <li>-Understand how game mechanics work</li> <li>-Overcome simple bug problems</li> <li>-Evaluate and test game efficiency, is it fit for purpose?</li> <li>-Create and publish a space game.</li> </ul>
RE	<p>For our RE curriculum we follow the Come &amp; see scheme of work. We cover a topic about every 4 weeks. Each term we cover 3 topics, therefore covering 1 and a half topics per half term.</p> <p>Topic 1- <b>Ourselves</b></p> <p>Know &amp; understand:</p> <ul style="list-style-type: none"> <li>-A deeper awareness of 'who I am'</li> <li>-Ourselves as made in the image and likeness of God</li> </ul>



	<p><b>Topic 2- Life Choices</b>          Know &amp; understand:          -Showing care and commitment          -The call to life and love within the community- marriage</p> <p><b>Topic 3- Hope</b>          Know &amp; understand:          -Waiting hopefully          -Advent is the Church's season of waiting in joyful for the coming of Jesus, the promised one, at Christmas and at the end of time</p>
<p>Year group events this half term</p>	 <p>29<sup>th</sup> October – Stargazing evening in the forest          17<sup>th</sup> November - Year 5 Class Assembly : All different, All Equal</p>
<p>Project sharing event</p>	<p>17<sup>th</sup> October - Charity Fundraiser/Information, fun and frolics with Guide Dogs</p>

Please remember to ensure your child is reading every day and recording it in their books. They need their books in school EVERY day.

Homework is out Thursday and in on a Tuesday.

Our PE days are Wednesday and Thursday however PE kits must be in all the time in case needed.

Thank you and I look forward to working with your children over the course of the year.

Mr Gallagher, Mrs Puntrello and Mrs Cina

**Please note the information above is subject to change as our learning and year develops and grows.**