



**Cramlington Village Primary School  
Y5 Medium Term Plan Spring 2 2016/17**

**Topic: Asteroids Attack!**

**Key questions:**

- Week 1: How do we get a man on the moon?
- Week 2: Is space exploration worth it?
- Week 3: How have views about our solar system changed?
- Week 4: How do astronauts survive in space?
- Week 5: What is gravity?
- Week 6: What does the Earth look like from space?

**Key texts:** George's Secret Key to the Universe by Stephen and Lucy Hawking  
Hello, is this planet Earth?: My View from the International Space Station by Tim Peake.

I will also be following the interests of individual children and planning their next steps, including individual targets and interventions.

Year 5		
Literacy	Speaking and Listening	Mathematics
<p><b>Writing activities/projects</b></p> <p>Writing from viewpoint focused on whether our country should spend £238,000,000 on sending a man to the moon. This will include both researching facts and children forming their own opinions.</p> <p>Children have the opportunity to hear, read and respond to a range of poems. They will write and perform their own free verse poems, inspired by those they have read. Poems will include Edgar Allen Poe's The Raven, Alfred Noyes' The Highwayman and Rudyard Kipling's If, in addition to other free verse poems.</p> <p><b>Writing – vocabulary, grammar, punctuation</b></p> <p>Using apostrophes accurately to mark possession, when using with plurals and for contracted words.</p> <p>Organising paragraphs around a theme.</p> <p>Using speech marks correctly in our narratives.</p> <p>Using passive, modal and the perfect form of verbs.</p> <p>Use relative clauses and subordinate clauses.</p> <p>Using semi-colons, colons or dashes to mark boundaries between independent clauses.</p> <p>Continuing to use richer and more varied vocabulary for our descriptive pieces.</p> <p>Pronouns and nouns and how to use them effectively.</p> <p>Continue to use full stops, capital letters, commas, question marks and exclamation marks correctly.</p> <p>Children will continue to access daily Read, Write, Inc spelling sessions to look at spelling patterns.</p>	<p><b>Drama</b></p> <p>To create a news report about current news regarding space exploration.</p> <p>Children are also to conduct a debate around their writing from a viewpoint literacy work.</p> <p><b>Reading - Comprehension</b></p> <p>Review a range of poetry, narratives and graphic novels to support and inspire our own writing work.</p> <p>If children are still accessing the Read, Write, Inc scheme, they will continue to have daily sessions.</p> <p>Children accessing guided reading lessons will continue to explore a range of texts, with a focus on comprehension and inference. Work will further be supported by questioning on language for effect and themes and conventions within the texts.</p> <p>We will be continuing reading a class text for pleasure this half-term, which will be George's Key to the Universe by Stephen and Lucy Hawkins.</p> <p>Children will also have the opportunity to read a short story or poem in front of the class at the end of the school day.</p> <p><b>Handwriting</b></p> <p>Continue to practice handwriting in specific handwriting lessons, and use this learning throughout the rest of our lessons.</p> <p>There is to be a particular focus on keeping letters straight and self assessing their own work.</p>	<p>All lessons and numeracy activities where possible, will be centered around real life practical examples to give children context to their maths skills.</p> <p><b>Activities/projects</b></p> <p>Looking at the percentage of water and land on Earth and converting this to a decimal.</p> <p>Looking at fractional sizes of asteroids and comparing these with each other.</p> <p><b>Fractions, decimals and percentages</b></p> <p>Read and write decimal numbers as fractions. Use thousandths and relate them to tenths and hundredths.</p> <p>Round decimals with 2 decimal places to the nearest whole number and to 1 decimal place.</p> <p>Compare numbers with up to 3 decimal places.</p> <p>Solve problems involving number up to 3 decimal places.</p> <p>Recognise the % symbol and understand that per cent relates to 'number of parts per 100'.</p> <p>Write percentages as a fraction with denominator 100, and as a decimal fraction.</p> <p>Know decimal equivalents of <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math>, <math>\frac{1}{5}</math>, <math>\frac{2}{5}</math>, <math>\frac{4}{5}</math> and those fractions with a denominator of a multiple of 10 or 25</p> <p><b>Statistics</b></p> <p>Solve comparison, sum and difference problems using information presented in a line graph.</p> <p>Complete, read and interpret information in tables including timetables.</p>

Physical Education, Forest School and music	PSHE	Geography, ICT, History, Science	Art, DT Cookery, RE
<p><b>PE</b> Children will be alternating between inside and outside PE, continuing their work with hockey and gymnastics.</p> <p><b>Forest School</b> Children will continue to work on a number of projects across the school. This will include continuing to decorate the concrete blocks on the playground,</p> <p><b>Music</b> For the next two half terms KS2 will continue to be split into three groups. Each group will be working with Jenny and rotating three topics; learning to play the keyboard, learning to play the recorder and studying music theory.</p>	<p><b>PSHE</b> Going for gold - looking at aspirational figures and understand what it means to be ambitious. What steps/targets can we set ourselves before we leave in Y6?</p> <p>Thinking about how determined and resilient astronauts have to be - linking this to themselves and their goals, how they should never give up. What can we practice now to ensure we get where we want to be when we leave school?</p> <p>Beginning to look at changes in our bodies and how we manage these.</p> <p>Continuing to explore whole class Thrive activities that focus on team work, friendship and trust.</p>	<p><b>Geography</b> Researching where NASA is based. Looking at the topography of key asteroid landing sites such as the Vredefort Crater in South Africa and Sudbury Basin in Canada.</p> <p><b>History</b> Children are to continue their work into famous astronomers such as Galileo and Copernicus. This will be supported by various speaking and listening opportunities.</p> <p><b>ICT</b> Creating videos and presentations of what they have learnt about space using Adobe Spark and using augmented reality apps (such as Aurasma) to add extra detail to displays and projects. The final piece for the project will be an informative video featuring the whole of KS2 centred around planets and our solar system, the galaxy and stars, along with the history and evolution of our knowledge of space.</p> <p><b>Science</b> Children are to recognise a number of forces , and to use the force arrow model to represent these forces in a real life context. Children will also be able to explain the force of gravity as a force that acts between the Earth and other objects, in addition to identifying the effects of air resistance, water resistance and friction. These forces are to be understood through practical applications in addition to children conducting their own scientific experiments.</p>	<p><b>ART and DT</b> Designing and stitching our own flags of a researched planet. Researching and collecting satellite images of Earth to create a collage of a planet.</p> <p><b>Cookery</b> Looking at how to prepare a balanced 'packed lunch' for a Russian Spaceman. Making, Zharkoye, Olivie And Blini.</p> <p><b>RE</b> Children are to continue learning about Hinduism, with a focus on Hindu holidays and the role of the pandit. Children will also be doing work on Michael Foreman's Seasons of Splendor.</p>
<p>Reading area: The Minecraft reading area will continue to be used as a reward and relax area.</p>			
<p>VIP Sofa: Year 5 will be introducing a numeracy and literacy star for excellent work. Chosen children will be allowed to sit on the sofa during teaching time in lessons.</p>			
<p>Forest school - Wednesday afternoon PE - Monday and Friday afternoon</p>			
<p>Wow moments Sponsored star gaze. Camping outside on the school field to watch the stars, eat dinner from the forest school fire and meet a real life Astronomer! With Y3 and Y4, creating a KS2 information video all about space.</p>			