



Cramlington Village Primary School
2016 - 2017
Medium Term Plan - Spring 2

- Topic: Guardians of the Galaxy**
Week 1: How is Divali celebrated?
Week 2: So, what is NASA?
Week 3: Can you explain what a biography is?
Week 4: Is the Sun equivalent to 2 Neptunes?
Week 5: Can we write a persuasive leaflet?
Week 6: Are we ready to graduate bootcamp and become astronauts?

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

Year 4		
Literacy	Speaking and Listening	Mathematics
<p>Writing activities/projects</p> <p>Writing newspaper articles about 'Our school' for the chronicle newspaper. Persuasive writing to persuade people to travel into space on Virgin Galactic. Looking at poetry and writing poems about space and the universe.</p> <p>Writing – vocabulary, grammar, punctuation</p> <p>Continuing to do the following; use apostrophes accurately to mark possession, when using with plurals and for contracted words.</p> <p>Using fronted adverbials to change the structure of our sentences.</p> <p>Organising paragraphs around a theme.</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>Using conjunctions, prepositions and adverbs to express time and cause.</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>Drama</p> <p>Role play of news interviews with famous astronauts. Creating adverts to persuade people to travel into space. Acting as astronauts on their first adventure into space and recording video diaries as astronauts to send home to families and friends.</p> <p>Reading - Comprehension</p> <p>Review a range of poetry, descriptive paragraphs, graphic novels and information texts to inspire our writing.</p> <p>Continue to read a class text for pleasure (George's Secret Key to the Universe)</p> <p>If children are still accessing the Read, Write, Inc scheme, they will continue to have daily sessions.</p> <p>If children are accessing the guided reading lessons, children will continue to explore a range of texts with a focus on inference, comprehension, language, text structure and themes.</p> <p>Handwriting</p> <p>Continuing to join our words using ascenders and descenders correctly and practising this in our independent 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>Activities/Projects</p> <p>Making a solar system and measuring the distance between, changing our models to fit to scale. Calculating the area of planets. Using fractions to calculate the amount of natural resources on different planets. Using the context of the speed of different space crafts to study decimals and time.</p> <p>Multiplication and division</p> <p>Children will be taught to; Recognise and use factor pairs in mental calculations.</p> <p>Multiply two digit and three digit numbers by one digit numbers using formal written layout. Divide two and three digit numbers by one digit numbers using a written method.</p> <p>Fractions and decimals</p> <p>Recognise and show, using diagrams, families of common equivalent fractions. Count up and down in hundredths and recognise that hundredths arise when dividing an object by 100 and dividing tenths by 10. Divide a one or two digit number by 10 and 100. Write decimal equivalents of any number of tenths or hundredths. Use fractions to divide quantities, including non-unit fractions. Add and subtract fractions with the same denominator. Round decimals with 1 decimal place to the nearest whole number. Compare numbers with the same number of decimal places up to 2 decimal places. Calculate problems involving money and measure with fractions and decimals to 2 decimal places. Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$</p> <p>Measurement and Area</p> <p>Find the area of rectilinear shapes (shapes made up of straight lines) by counting squares.</p> <p>Convert between different units of measure (KM/M/Cm, Hour/min/secs, L/ml)</p>

		Telling the time and converting between 12 and 24hr clocks.	
Physical Education, Forest School and music	PSHE	Geography, ICT, History, Science	Art, DT Cookery, RE
<p>PE</p> <p>Training to be an astronaut - boot camp style PE focused around athletics.</p> <p>Practising times tables and division facts through relay games. Developing throwing, jumping and running.</p> <p>Assessing themselves and their skills using core tasks/games.</p> <p>Learning to play Netball - knowing and understanding the game/rules, looking at the different playing positions and developing strategy and tactics.</p> <p>Forest School</p> <p>Project work.</p> <p>Music</p> <p>For the next three half terms KS2 will 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>PSHE</p> <p>Being away from home, how to manage our feelings and understand how to be more responsible as we get older.</p> <p>Going for gold - looking at aspirational figures and understand what it means to be ambitious.</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.</p> <p>Continuing to explore whole class Thrive activities that focus on team work, friendship and trust.</p>	<p>Geography</p> <p>Researching NASA and where it is, using satellite images to look at landscapes of different areas.</p> <p>History</p> <p>Investigating the history of space discovery - researching the history of the moon landing. Linking this to the history of science by studying Galileo and astronomy.</p> <p>ICT</p> <p>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>Continuing to understand how to use the internet safely and how to use search engines effectively - learning to select reliable results when researching topics. Looking at algorithms and logical thinking.</p> <p>Science</p> <p>Our topic this term is sound. We will be doing lots of practical experiments such as exploring how vibrations travel through a medium to the ear, as well as investigating and finding patterns between pitch, volume, the strength of sound and the object that produced it. We are also to link our Science topic with our Space them as the children will be learning why there is no sound in space, along with experimenting with different materials and investigating which would be best for a space ship and why.</p>	<p>ART and DT</p> <p>Creating planets and stars. Make flags for the moon, researching the Nebula galaxy and making our own galaxy. Looking at Satellite images. Solar system scene, using coloured chalk.</p> <p>Cookery</p> <p>Creating an astronaut's packed lunch. Discussing packaged food and healthy eating. Making traditional Divali sweets 'Barfi'</p> <p>RE</p> <p>Hinduism - this terms unit will be focusing around the importance and celebration of Divali and Holi as well as looking at how Hindu lifestyle is affected by religious belief and practice.</p> <p>Other ideas</p> <p>Skype call/visit with astronomer to ask key questions. Naming a star competition with year 3 and 5.</p>
<p>The Black Hole: The children and I have recently discussed, created and named our Space themed reading area. This is also going to be our special reward area and will be in class for the term. Not only does it come with an extra cool tent, it has twinkling star lights, our class constellations (all children have a star each), hanging planets AND our very own astronaut!</p> <p>Sofa, so good: 3 children are chosen every day to sit on the sofa either for fantastic work in Literacy and Numeracy or for being awarded 'Superstar of the day' for brilliant behaviour. If they are chosen they get to sit on the special sofa all day.</p> <p>Dojo VIP: At the end of the week the Classdojo winner is awarded with the special Stormtrooper Angry Bird and gets to keep him for the following week!</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 Y5, creating a KS2 information video all about space.

Forest school - Wednesday afternoon
PE - Monday or Tuesday afternoon