

"What we learn with pleasure we never forget"

Carlton Colville Primary School –Medium Term Planning

Year Group 5 Autumn Term 2016/17

<p style="text-align: center;">Sparkling start</p> <p>Alien invasion. We have to evacuate Earth and escape to Mars. Can we make it? What will we need?</p>	<h3 style="color: red;">Space – the Final Frontier?</h3> 	<p style="text-align: center;">Fabulous finish</p> <p>Display of Homelearning challenge models and grand showing before parents.</p>	
Big Ideas	<p>As readers we will discover the evidence of our solar system and read and understand fiction and non-fiction books about space. Our class book will be George’s Secret Key. We will read a selection of powerful poems.</p> <p>As writers we create descriptive writing about space; a holiday brochure for a space theme park of our choice, write clear instructions about an Idiots Guide to Space.</p> <p>As mathematicians we will compare and contrast the relative sizes and distances of planets in our solar system. Look at space rations and calculate how much is needed. Choose and use tools to measure shadows at different times of day. Plot and analyse data recorded.</p> <p>As scientists we will explore the physics of forces focusing on gravity and magnetic poles. We will find out the shape of the Sun and planets and look closely at the movement of the Earth and the Moon and their place in our solar system and be able to explain day and night. We will explain how light travels in a straight line – using appropriate vocabulary at all times. We will have a visit from a STEM ambassador, specialising in Space and the Solar System.</p> <p>As artists we will develop and share ideas in our sketchbooks. Use the inspiration of Chris Ofili to create a collage based on space. We will create a front cover design to show our mastery of pen and ink techniques. Basing our designs on a variety of modern and futuristic space pictures.</p> <p>As linguists we will continue to learn French and take part in a European day of Languages.</p>	<p>As computer experts we will discover how technology makes accessing information easier. Learn about e-safety before emailing a space link. Use ICT to help design the Mars Rover and programme a pattern of movements using Crumblebot.</p> <p>As musicians we will learn the tin whistle (PPA) and interpret music through dance.</p> <p>As Geographers we will map the foreign countries that took part in the space.</p> <p>Through Personal Development we will push ourselves and try new things and collaborate with our peers. We will become more aware of personal computer safety and have a growing respect for others.</p> <p>As historians we will make a timeline of significant events in the SPACE RACE. We will also learn about the Ancient Greek astronomers.</p> <p style="text-align: center;">Advent</p> <p>As design technologists we will research, understand and use and evaluate mechanical systems such as gears, pulleys, cams, levers and linkages to make a Christmas toy based on the art work of Jan Pienowski.. We will use joining techniques to sew Christmas bunting.</p> <p>As writers we will write a class poem about winter using imagery – similes and metaphors.</p> <p>As artists we will use clay to create a nativity tableau, mastering our techniques. We will also use collage and painting to create a religious icon calendar and linocuts to create black and white nativity scenes.</p>	
Further opportunities	<p>Readers:</p> <p>Writers:</p> <p>Communication:</p> <p>Mathematicians:</p>	<p>Read a range of fiction, non-fiction, reference books and internet sources to become experts in space.</p> <p>We will use narrative, persuasive and instructional techniques to explain events and develop our writing skills.</p> <p>Through art and writing, drama and role play we will explain our understanding of space.</p> <p>We will recognise and understand the relationships, size and distances (relative) of the planets.</p>	
Curriculum Drivers	<p>Knowledge of the World</p> <p>Know about the different countries involved in the events of the space race. Explore the relationships/physical properties of planets in our solar system – their orbits, movements etc.</p>	<p>Possibilities</p> <p>We will reach for the skies to be the best we can be.</p>	<p>Communities</p> <p>Visits from local amateur Astronomers.</p>
Learning skills	<p>Teamwork</p> <ul style="list-style-type: none"> • I can work in a team • I listen to others and take my turn. 	<p>Curiosity</p> <ul style="list-style-type: none"> • I ask questions • I don't give up but think about how I could solve a problem • I want to find out as much as I can 	<p>Determination</p> <p>I stick at things even if they are tough I get upset if I fail but find ways to bounce back I give my best in all I do</p>