

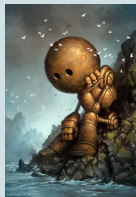
## Holland Haven Primary School's Creative Curriculum Planning: Spring 1

See our new 'HH Skills and National Curriculum coverage' booklets for specific objectives per Phase and Subject

Additional cross-curricular and SMSC links **LOtC**

Phase:	<b>UPPER SCHOOL Yr 5/6</b>	
Theme:	<b><u>Out of this World</u></b>	
Subject Foci:	<b>Science focus, Computing and Philosophy Focus</b>	
Expected outcomes:	To understand how movements of the Earth create day, night and seasons. To understand the phases of the Moon and the names of the planets in our galaxy. To understand the uses of technology in everyday life. To deepen thinking skills and opinions through philosophy.	
Educational Visit/Visitor	Visitor - Planetarium (Immersive Experiences) - 11th February 2022	
Extended Classroom opportunities	<ul style="list-style-type: none"><li>• Science - Measures and scale - mapping out the solar system on the playground</li><li>• Science - Circulatory System - acting out the journey in the hall.</li><li>• Science - Human Circuits - playground or hall</li><li>• Science/PE - Healthy Astronauts - resting heart rate - exercises in the hall or playground</li><li>• Design and Technology - Healthy Astronauts - Cooking a healthy meal for an astronaut.</li><li>• Design and Technology - star 'hitches and lashings'</li></ul>	
Parent-Pupil Project	Design and make a Rocket!	
Themed 'visual token' team system	Earn 'stars' for your team! Planets in the Solar System: - Saturn, Mercury, Jupiter, Mars and Venus	
Learning Environment	Space and Robotics-themed reading areas including key words, photos and information posters, diagrams etc.	

Project	<p style="text-align: center;"><b><u>'Out of this World'</u></b></p> <p>Our Spring Term project is called 'Out of this World'. We will be developing our key skills and knowledge in various subjects through the context of Space.</p> <p><b>Theme</b> - We will learn about important features of planet Earth, including the Equator, the Tropics of Capricorn and Cancer and the different climate zones. We will discover how the movements of the Earth cause day and night, seasons and years, as well as learning about the different moon phases and how they occur <a href="#">Science Link</a>.</p> <p><b>English</b> - During our English lessons, we revise the features of journalistic writing and write our own newspaper articles about various space missions: Apollo 11, Apollo 13 and Challenger. We will also continue to develop our narrative skills by writing robot and space-themed stories!</p> <p><b>Science</b> - In Science, we will be learning about how to keep our bodies and our hearts healthy. We will explore why healthy eating, exercise and oxygen are important for our hearts, and why drugs can be either beneficial or harmful. We will be investigating how astronauts get their nutrients, exercise and oxygen while on the International Space Station. <a href="#">Maths Links - Statistics</a>. We will also be investigating how robots work by creating series and parallel circuits, exploring the difference between them and experimenting with ways to make motors faster, bulbs brighter and buzzers louder! We will also learn how to represent circuits using conventional circuit symbols.</p> <p><b>PSHE</b> - As part of our Personal, Social and Health education, we will also explore some of our emotional needs that enable us to stay healthy and consider how astronauts' emotions may be affected while they are away from their families. <a href="#">Links between Robots vs Humanity, similarities and differences, what makes us human? Having feelings and emotions. We are all the same but look different on the outside (including race, disabilities and gender)</a>.</p> <p><b>Design and Technology</b> - We will be developing our design and construction skills by designing and creating soft toy aliens, thinking carefully about colours and features! We will use pattern pieces to cut felt to the correct shape and size and then use wool and a needle to sew them together. Finally, we will fill them with hollow-fibre filling so that they are cuddly! Linked to our Science unit of 'Healthy Astronauts', we will also be cooking a healthy, balanced meal which includes lots of nutrients!</p> <p><b>Computing</b> - During Computing lessons, we will be learning about algorithms, formulas and systems in spreadsheets, exploring how they can be used to quickly calculate, sort and present data. We will also be using and creating databases to store and search through information about aliens.</p> <p><b>Music</b> - To improve our musical skills, we will be listening to the Planet Suite of music by the composer, Gustav Holst and thinking about how the composition has been carefully chosen to match each planet. We will also be listening to sounds that have been recorded in space and on different planets, and use this to inspire our own space compositions.</p> <p><b>PE</b> - Within our PE lessons we will be learning how to train like an Astronaut! We will be discovering through a range of NASA style exercises, how Astronauts stay fit and healthy. In our Space teams we will create our own Astronaut exercise circuit as well as learning the importance of monitoring our heart rate. In a series of both football and dodgeball lessons we will develop our attacking and defence skills to play competitive games. <a href="#">Science Link - Heart and Circulation</a></p>
Reading and Spelling	<p>2 x 85 minute reading lessons a week - Using themed texts.</p> <p>Daily Spelling, Punctuation and Grammar sessions.</p> <p>Weekly, personalised spelling practice.</p>
Discrete Maths	<p>Progression Ladder System</p> <p>Creative Coverage</p>

	Problem Solving opportunities for Fluency and Reasoning Weekly Number focused test/lesson Morning Maths Meetings
<b>Theme and real-life maths links including outdoor</b>	Planning for each maths topic includes a variety of opportunities to explore, apply and consolidate maths skills and knowledge outside of the classroom. Statistics - plotting times of sunrise and sunset across the year, comparing and representing data for different planets. Temperature and negative numbers - comparing temperatures on different planets Shape and Space - Direction and Position - programming robots  Adaptable for all topics: maths trails and orienteering-style problem solving. Measures (area, perimeter, length, capacity, clocks Shape (symmetry, making shapes with given properties, angles, Number (arrays, place value, rounding Fractions (fractions of amounts)
<b>Discrete Religious Education (Essex)</b>	<b>Humanism</b> - Children will explore the Humanism belief system and the way in which we make decisions about our own actions and morals. This links to our Philosophy lessons in which we will explore whether robots are able to make their own decisions. <a href="#">SMSC Link</a>
<b>Discrete Languages - French</b>	Through the topics listed below, children will continue to speak and write in accurate sentences, exploring the French grammar and language structures. They will also be focusing on their pronunciation and intonation. <b>Actions, Instructions and Directions</b> - children will be learning to give and receive instructions and directions, as well as learning the names of common buildings and locations within a town. They will also learn about daily actions e.g. open the window, close the door.
<b>Philosophy for Children</b> <a href="#">SMSC</a>	Philosophical questions about artificial intelligence. <ul style="list-style-type: none"> <li>● <b>Is the human brain just a computer?</b></li> <li>● <b>Is human intelligence and robot intelligence the same?</b></li> <li>● COULD ROBOTS REPLACE THE POLICE, DOCTORS OR PILOTS?</li> <li>● Can we be sure that robots don't have feelings?</li> </ul> 
<b>School and Learning Council Meetings</b>	Whole School 'School Council' and 'Learning Council' (2 representatives from each class) and class response/action and feedback. Pupil Perception Fundraising School Projects
<b>Weekly Assemblies with an SMSC focus</b>	Singing assemblies Whole School Achievement Celebration Assembly Whole School Assemblies exploring Social, Moral, Spiritual and Cultural content Class Assemblies - News Round