

# Curriculum Newsletter

Year 5 / Spring



The Year 5 team all hope that you had a restful and enjoyable winter break and welcome you back. We have lots to look forward to in our learning with our new half term topic 'Space - the final frontier.'



*We had a very busy time with exciting days in school!*

## Home Learning

In Year 5, pupils are expected to read their 'banded reading book' at least four times per week at home. As they get older, children can read independently (although it is nice to share a book with an adult/ sibling). Please acknowledge that your child had read by writing your initials next to their entries and this will ensure they achieve the 'Read for A Star' awards.

PE days are Wednesday and Thursday but please ensure your child's kit is in school every day.

## Key vocabulary

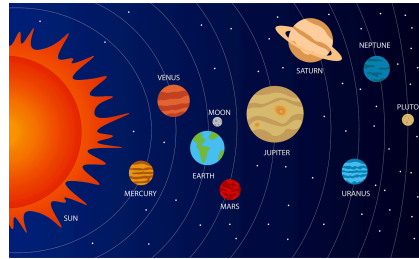
<b>Solar system</b>	Collection of eight planets and their moons in orbit around the sun, together with smaller bodies in the form of asteroids, meteoroids, and comets.
<b>asteroid</b>	A small rocky body orbiting the sun.
<b>geocentric</b>	The Earth is the centre of the universe, and everything else moves around it in circles.
<b>heliocentric</b>	The sun is at the centre of the universe and the planets move in circles (orbits) around it.
<b>International Space Station</b>	A large space station assembled and maintained in low Earth orbit by a collaboration of five space agencies.
<b>karma</b>	The relationship between action and consequence.
<b>dharma</b>	Duties in life and the right way of living (Hinduism)

## Upcoming Dates

- Monday 13<sup>th</sup> January- Maths Investigation Day
- Thursday 16<sup>th</sup> January – Star Gazing 5-6pm (enter via Kestrel Ave)
- Monday 20<sup>th</sup> and Tuesday 21<sup>st</sup> January - Bikeability for selected children (please check emails)
- Thursday 6<sup>th</sup> February -3pm Workshare
- Friday 7<sup>th</sup> February - Safer Internet Day
- Friday 14<sup>th</sup> February - last day of half term

**Topic: Space - the final frontier**

This curriculum newsletter provides an overview of your child's learning this half-term.



**Art and Design Technology**

**As artists and designers we will:**

- ★ explore how artists use a variety of media to capture the energy and spirit of land or city scapes.
- ★ see how artists work outside amongst the land and cityscapes which inspire them, and how they use all their senses to capture the spirit of the place.
- ★ extend our sketchbooks thinking creatively about how we can use them.

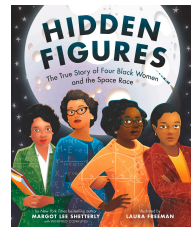
**Computing**

**As computer scientists we will:**

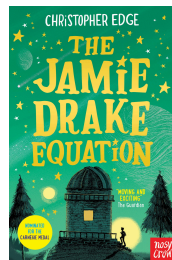
Use a database to order data and create charts to answer questions.

**English**

This half term in English, our core text is 'Hidden Figures' by Margot Lee Shetterly. It complements our topic work about Earth and space as the book is about the story of four female African American mathematicians at NASA and how they overcame gender and racial barriers to succeed in a highly challenging STEM-based career. We will focus upon: writing a biography about one of these inspiring females.



In our 'Reading Masters' sessions, we will start the new text 'The Jamie Drake Equation' by Christopher Edge to support our understanding of Earth and space. We will be developing our understanding of unfamiliar vocabulary and reading skills such as inference and scanning during our lessons. During spelling sessions,



**PE**

**As athletes we will:**

- Develop teamwork through invasion games e.g. hockey, tag rugby and netball.
- Develop our health and fitness through our HRF topic
- Improve our stamina with our daily mile

Swimming for some children in Otters and Squirrels. Please check your email to see if your child has been selected.

**As scientists we will:**

- Identify key facts about the planets in our solar system.
- Investigate the movement of the Earth and other planets relative to the sun in the solar system.
- Understand the movement of the Moon relative to the Earth.
- Use the idea of the Earth's rotation to explain day and night and the apparent movement of the Sun across the sky.

**RE**

**As theologians we will:**

Explore the question: 'What can we learn about the world/knowledge/meaning of life from the great philosophers?'

**History and Geography**

**As geographers we will:**

Study volcanoes and discover how they affect the lives of people on Heimaey.

<p>we will focus upon the word list for Year 5 and 6.</p> <p>In grammar lessons we will focus upon: modal verbs, apostrophes for possession, inverted commas for speech, and continue to develop our use of commas.</p>		
<b>Maths</b>	<b>RHE</b>	
<p>As mathematicians, this half term we will be developing our understanding of short and long multiplication. We will be multiplying 3 digit numbers by a single digit and 2 and 3 digit numbers by a 2 digit number. We will also consolidate our understanding of division by dividing 2 and 3 digit numbers by a single digit including sintegers with remainders.</p> <p>In arithmetic sessions, we will continue to concentrate on the four operations. We will revisit previous learning topics and are actively encouraging children to learn their multiplication facts. Information about your child’s unique login details for Times Table Rockstars is available on the Y5 section of the website.</p>	<p><b>As young people we will:</b></p> <ul style="list-style-type: none"> <li>★ To have strategies for keeping safe online; knowing personal information including images of themselves and others can be shared without their permission.</li> <li>★ To know the terms associated with gender identity and sexual orientation</li> <li>★ To know that using discriminatory terms to bully someone is unacceptable.</li>   <li>★ Recognise that their mind is the control centre for our emotions.</li> <li>★ Understand Neuroplasticity (the brain can be changed throughout our lives)</li> <li>★ Identify feelings in a range of scenarios</li> <li>★ Understand the physical response in the body</li> <li>★ Identify the four zones of regulation and discuss strategies on how to manage these emotions</li> </ul> <p><b>This term we will:</b></p> <ul style="list-style-type: none"> <li>★ To explore the history and the current state of ocean plastic pollution.</li> <li>★ To discuss simple changes that can have a positive impact on ocean plastic pollution.</li> </ul>	
	<b>Music</b>	<b>Languages</b>
	<p><b>As musicians we will:</b></p> <ul style="list-style-type: none"> <li>★ Be learning how to play the recorder</li> <li>★ Develop our singing skills</li> </ul>	<p><b>As language learners we will:</b></p> <ul style="list-style-type: none"> <li>★ Continue to develop our understanding of Chinese through weekly Mandarin lessons.</li> <li>★ Build confidence in reading, writing and speaking and listening skills in Mandarin.</li> <li>★ Develop our vocabulary in Mandarin.</li> </ul>

