



TEACHERS: MISS PARKER & MRS WALLACE  
SUPPORT STAFF: MISS BAXENDALE AND MRS DOWLING

## Mathematics

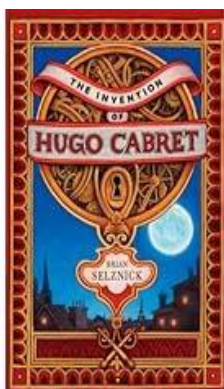
During the Spring term, the children in Year 5 will be focusing on several challenging concepts including decimals and percentages, perimeter and area and statistics, as well as re-visiting our work on multiplication and division, and fractions. The teaching and learning will be delivered using a range of exciting activities and in a range of ways to ensure the children develop a deeper understanding of their topics. We will link questions to real life topics to make a more meaningful and engaging curriculum. The children will use what they have previously learnt in the Autumn term to help them further understand the new concepts.

We will be engaging in weekly arithmetic sessions to address, challenge and conquer any misconceptions developed in the Autumn term as well as further develop existing skills.

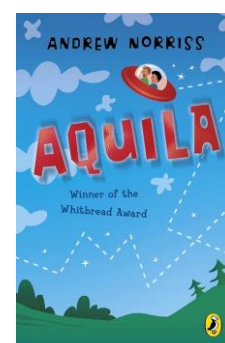
Mental mathematical skills are highly dependent on quick maths abilities such as times tables. We encourage the children to access their Times Tables Rock Stars accounts at home as much as they can to help to develop their understanding and support with learning their times tables in a fun and exciting way. New challenges are set weekly on a Friday morning.



## English



This half term we will be developing our writing skills within novels around a theme. This half term, we will be basing our English learning around sci-fi texts such as Aquila and George's Secret Key to the universe to imitate and innovate our own novels. Our key text next half term is The Invention of Hugo Cabret by Brian Selznick. We will take inspiration from this fascinating text to create writing pieces such as character profiles, character interviews and character descriptions to inform innovated novels. Our grammar focuses will include '-ing' starters, commas to avoid ambiguity and relative clauses using 'when' and 'where' relative pronouns. This will be supplemented by an additional weekly grammar lesson to address misconceptions and deepen understanding.



## Topic

In Science we will be looking at 'Earth and Space' in Spring 1 followed by 'Forces' in Spring 2. As a result of these lessons and recapping KS1 learning, the following outcomes will be addressed:

### Earth and Space

- Describe the movement of the Earth, and other planets, relative to the Sun in the solar system.
- Describe the movement of the Moon relative to the Earth.
- Describe the Sun, Earth and Moon as approximately spherical bodies.
- Use the idea of the Earth's rotation to explain day and night and the apparent movement of the Sun across the sky.

### Forces

- Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object.
- Identify the effects of air resistance, water resistance and friction that act between moving surfaces.
- Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.

Please visit the class web pages for more information:

<https://www.lowerhousejunior.co.uk/year-5-chestnut/> and <https://www.lowerhousejunior.co.uk/year-5-oak/>

In Geography, we will be studying the Amazon rainforest and debating the pros and cons of deforestation. In History, we will be building on our prior learning about the Anglo-Saxons and studying the Vikings. We have an exciting 'Viking Day' planned in March.

Our Art this half term will focus on the artist Henri Rousseau and we will be producing our own painting based on his work. Within DT, we will embark on an engineering project to create a stable structure, which will challenge and develop our skills in measuring and cutting materials accurately using appropriate tools and equipment, using corner reinforcements to build a sturdy frame before creating an electrical circuit with a home-made switch that will light up our towers.



For Computing, the children will use physical computing to explore the concept of selection in programming through the use of the Crumble programming environment. The children will be introduced to a microcontroller (Crumble controller) and learn how to connect and program components (including output devices- LEDs and motors) through the application of their existing programming knowledge. We will also be introduced to conditions as a means of controlling the flow of actions and make use of their knowledge of repetition and conditions when introduced to the concept of selection (through the if, then structure).



Within R.E, the children will be exploring Hinduism through discussing and exploring their ideas around the key question 'What might Hindus learn from stories about Krishna?'

## PE

Year 5 PE lessons will take place on a Monday afternoon and Wednesday morning for both classes. Any changes to this timetable will be communicated to you in advance. Children should attend school in PE kits on these days. Children are encouraged to wear school PE kit with pumps for the hall or black trainers for outdoor activities. No jewellery is permitted to be worn and children must bring a letter from home if they cannot participate in a PE lesson. Long hair should be tied back. Over the Spring term the focus will be gymnastics and Invasion games.

## Extra Information

- Reading is monitored daily and as such, reading records should be in school each day, detailing the text and amount read the previous evening.
- Spelling tests are on Monday afternoon and new spellings are issued every Monday.
- TT Rockstars use is monitored throughout the week and challenges set must be completed by 9am on a Friday.
- Please communicate with school should you have any questions or concerns about your child's learning or any other issue. This can be done by contacting the school office by telephone or email (admin@lowerhouse.lancs.sch.uk) to arrange a telephone appointment.
- Throughout the term, information, photographs and updates will be shared on the class webpage, including spellings, award recipients and learning updates. Please check this regularly.
- Please ensure that all photograph permission slips and contact detail information has been updated for the new academic year. These letters are on your child's class page on the school website.

## Class Dojo

- Please sign up to Class Dojo via the QR code shared with your children. This will enable you to see all the fantastic learning taking place in your child's class.



Please visit the class web pages for more information:

<https://www.lowerhousejunior.co.uk/year-5-chestnut/> and <https://www.lowerhousejunior.co.uk/year-5-oak/>