



Mathematics

During the Summer term the children in Year 5 will be focusing on several challenging concepts including fractions, decimals and percentages. 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 and Spring terms to help them further understand the new concepts.

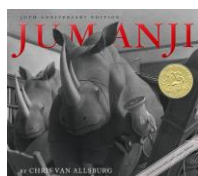
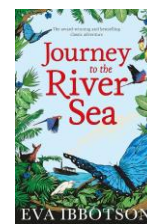
We will be engaging in weekly arithmetic sessions to address, challenge and conquer any misconceptions developed in the Spring term as well as further develop existing skills. We will also engage in daily mental maths activities to revisit and consolidate understanding.

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.

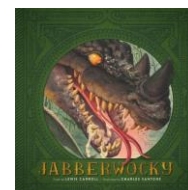


English

Our key text this half term is The Explorer by Katherine Rundell. We will read, respond to and analyse this text closely, comparing characters, describing settings and writing journal entries. We will then combine the characters from The Explorer with the plot of Jumanji to create an innovated narrative. Our grammar focus will be on using –ing and –ed sentence openers, using cohesive devices across paragraphs, using relative clauses and omitting the relative pronoun and blending



dialogue, action and description. This will be supplemented by an additional weekly grammar lesson to address misconceptions and deepen understanding. The following half term we will be basing our English learning around the poem Jabberwocky by Lewis Carroll. We will learn, recite and perform the poem before using our grammar skills from the year so far to create a narrative around the poem.



Topic

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

Forces

Substantive knowledge

- 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.

Disciplinary knowledge

Comparative and fair testing

- Compare friction e.g. trainers or weighted match box pulled with forcemeter, balloon rockets, CD hovercraft, balloon cars.
- Compare water resistance e.g. boats in a gutter of water, plasticine in a cylinder of liquid (easier with a more viscous liquid e.g. bubble bath).
- Compare air resistance e.g. spinners, parachutes, sailing boats, straw rockets.
- Compare levers, pulleys and gears – see illustrations below.

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/>



Researching

Research Heath Robinson and Rube Goldberg machines.

Living things and their habitats

Substantive Knowledge - Scientific Knowledge

- Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird
- Describe the life process of reproduction in some plants and animals.

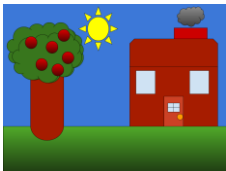
Disciplinary Knowledge - Working Scientifically

- Decide how to record and present evidence.
 - Record observations e.g. photos and diagrams.
 - Ask and answer own and others scientific questions.
 - Recognise how secondary sources can be used to answer questions.



Within Art, we will be focussing on creating a piece of digital art using the iPads.

Our Geography topic this half term is 'Fair Trade' and we will be learning about where our food comes from, why fair trade is important and how food is distributed. In history next half term, we will be studying crime and punishment throughout history.



For Computing, we will start to create vector drawings. We will learn how to use different drawing tools to help us create images. We will recognise that images in vector drawings are created using shapes and lines, and each individual element in the drawing is called an object. We will layer objects and begin grouping and duplicating them to support the creation of more complex pieces of work.

Within R.E, the children will be exploring Christianity through discussing and exploring their ideas around the key question 'How do people decide what to believe?'



PE

Year 5 PE lessons will take place on a Monday afternoon and Thursday morning for both classes during Summer 1 and 2. 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.

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 Friday morning and new spellings are issued on Monday afternoon.
- 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 Dojo pages, 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.

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/>