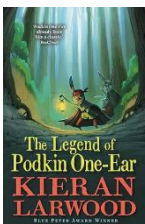


Our topic this half-term is called: **How can we make a bulb light up?** with Science and Design & Technology leading this topic for most of the half term with links to Maths.

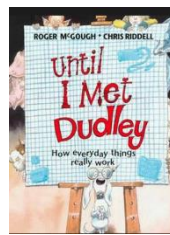
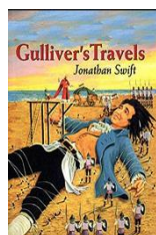


As **writers**, we will be creating imaginary lands to use as settings for a new adventure story based on Gulliver's Travels. In our stories, we will be using conjunctions, adverbials, direct speech and expanded noun phrases. During the unit we will write explanations based on the text 'Until I Met Dudley.' using fronted adverbials, apostrophes for possession and complex sentences.

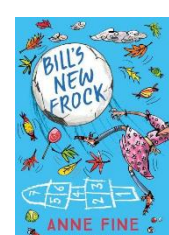
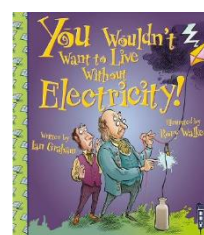
Class Novel



In English we will be reading



In Whole Class Reading we will read



As **readers** we will demonstrate active reading strategies by generating questions and finding answers (Rocket Retriever). We will analyse and evaluate a range of texts looking at language, structure and presentation and how these contribute to meaning (Dark Decoder). We will further enhance our vocabulary by identifying, collecting and discussing favourite words and phrases which capture the reader's interest and imagination including metaphors and similes. We will develop our understanding of paragraphs and explain how they are used, how they build up ideas and how they are linked.



As **mathematicians**, we will complete further work on place value including ordering and comparing numbers beyond 1,000. We will revisit rounding numbers including decimals. Following this, we will complete a unit on measures. We will measure, draw and compare lengths in cm and mm and use known measurements to make reasonable estimates including numbers to one decimal place. We will also measure, read and record lengths measured in m and cm. We will see how fractions of a metre can be recorded as cm or m using decimals and use the relationship between different units of length to identify the calculation necessary for conversion. As well as this we will measure mass (kg/g) and use known measurements to make reasonable estimates. Next we will build upon our mental addition and subtraction strategies including counting on, partitioning, bridging, reordering, compensation. We will use mental calculation strategies to calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres too. We will also continue work on formal written methods for addition and subtraction including exchanging. We will then apply our skills to solve two step problems in context, deciding which operation to use and why. Finally, we will complete a multiplication and division unit in which will use related facts to multiply $TO \times 20$ (by doubling then multiplying by 10) We will recognise and use factor pairs and commutativity in mental calculations and recap mental multiplication strategies. We will then refine formal written methods in both multiplication and division. We will also solve problems involving converting from years to months; weeks to days and solve problems involving converting from hours to minutes; minutes to seconds.

The Multiplication Tables Check will be administered in the three-week period starting on Monday 3rd June 2024. This is a statutory online assessment for all children in Y4.

As **scientists**, we will be learning all about electricity. We will be constructing simple series circuits incorporating a range of components including buzzers, wires and bulbs. The children will also make switches and incorporate these into their circuits associating this with why a light turns on and off. As scientists we will also recognise some common conductors and insulators, and associate metals with being good electrical conductors.



As **designers**, we will be analysing, designing, making and evaluating torches. Following their investigations of how a torch is constructed and interviewing their torch client, the children will start to design their own torch. Within focussed practical tasks they will use their electrical skills to make a circuit for the torch and investigate how to join different materials. They will then make their own torch using the client's specific criteria and once they have completed them, we will evaluate the products.

As **musicians**, we will complete a music unit on learning to play the glockenspiel. We will develop our sense of pulse and recognise when we are going out of time. We will copy then play a more complex pitched pattern using 4 notes or a given range of notes. Then we will copy then play a more complex pattern with long & short sounds where we will learn about crotchets, quavers, minims & semi-breves. This half term, we will welcome our music expert, Ben McCabe, from More Music who will team teach with Miss Frankland every Monday afternoon.



As **computer users**, we will use repetition and loops to do things over and over again in our computing lessons with Mr Smith. By using loops, we will become more efficient by not having to write the same code repeatedly. As we develop our skills, we will form more complex repetitions by nesting loops inside each other. We will design, write and debug programs, and use logical reasoning to explain how some simple algorithms work.

As **sports people**, we will continue to explore the skills required and the tactics we can choose to play net/wall games. We will also be completing an athletics unit where we will improve our throwing, running and jumping techniques. Children will need their PE kits on a **Tuesday** and a **Friday**.



As **educated citizens**, we will be learning about our value of **Responsibility**. We will explore how being responsible helps children develop into trusted and honest citizens. We will learn how rules and the law affects us, research, discuss and debate topical issues, problems and events and begin to understand the term Democracy.

Key Vocabulary: Circuit components: cell (battery), wire, bulb, bulb holder, buzzer, motor, switch (open/closed), circuit, electrical conductor, electrical insulator, connection, component, break

Y4 Key Words: cycle, imagine, important, mention, perhaps, therefore

Home Reading: We no longer set homework with the priority being home reading. Children are expected to complete at least one reading quiz a week and achieve a score of 80+% to achieve their reading target. Reading targets are monitored every Thursday. Remember, plenty of reading please with an adult so support can be provided with unfamiliar vocabulary and checking for understanding. You might find our reading videos useful which are on our website: <http://www.mossgate.lancs.sch.uk/page/home-reading-homework/26819>

A reminder that homework for spellings and timetables are no longer being set because we want to prioritise time at home for home reading. Children can choose to practise spellings and times tables at home if they wish.

Thank you for your continued support. The Year 4 Rowan team