

Our Christian value this half term is **INTEGRITY** 'The integrity of the upright guides them' Proverbs 11:3

Year 5 Summer Term 2

Enquiry Question: Are we limitless?

Home learning projects:

1. To create a model of one of the famous Victorian innovations (Brunel's suspension bridge, Bell's original telephone etc).
2. To create your own musical instrument that can play a range of notes or sounds.
3. To design a poster advertising one of the Victorian innovations. For example, you could advertise the latest innovation in communication – **THE TELEPHONE!**



Our key texts are:



Holes by Louis Sachar

Freedom by Catherine Johnson



As writers we will:

Create a persuasive leaflet advertising Camp Green Lake. We will use our skills to describe what is usually a juvenile detention centre for boys, as a place that parents should be encouraged to send their children. During the latter part of the term, we will write a contrasting setting description, in which we will compare Green Lake to a UK location.

Key words for this half term are:

Science: materials, particles, evaporation, condensation, filtration, chromatography, distillation, energy.
History: evolution, industry, invention, rural, revolution, innovation, expansion, workhouse, Victorian.
Geography: renewable, sustainability, wind farm, solar farm, turbine, panels, eolic, agricultural

As mathematicians we will:

Adding and subtracting decimals numbers up to and including 3 decimal places. We will also be multiplying and dividing numbers including decimals by 10, 100 and 1000. Also, we will be working with negative numbers as well as converting between metric and imperial units.

As historians we will:

Look at key figures who forged ahead with innovation and change in the Victorian era including Charles Darwin's theory of evolution, Alexander Grahame Bell's telephone, Emmeline Pankhurst's quest to secure Women's Rights and the steam engine developed by James Watt.

As readers we will:

Continue to read Holes by Louis Sachar, developing our reading comprehension skills further by inferring meaning into what we have read, predicting plots based upon previous events and identifying the grammatical features chosen by the author for specific purpose.

As scientists we will:

Develop our knowledge of the behaviour of particles when heat is added or removed. We will then use this knowledge to explain why materials change states. Following this, we will look at a range of techniques to separate materials including chromatography and distillation.

In DT we will:

Use wood to create the toy we designed at the end of the previous term. We will learn to use tools including saws and drills, firstly focusing on the safe use of the equipment and then using our skills to cut out our shape, drill holes for the axels and finally paint out designs onto our toys.

In PHSE we will:

Identify our own beliefs and values and recognise how they fit into a diverse society. We will express pride in our personalities, appearance and accomplishments. In addition, we will discuss the importance of avoiding stereotypes.

In PE we will:

Focus on athletics, looking at how we might adjust our pace and breathing when trying to run longer distances. We will also look at throwing and jumping techniques.

In computing we will:

Create an adventure story game using 2Create on Purple Mash. From our initial plans of an adventure story, we will add characters and buttons for the 'player' to click on so that they can choose their own adventure.

In Geography we will:

Take a more focused look at wind and solar energy. We will look at the advantages and potential disadvantages of using this type of energy. In addition, we will identify locations within the UK where farms could be situated based upon our geographical knowledge of the regions.

As musicians we will:

To continue to look at the work of Beethoven, using technical language to describe the elements. We will also compose our own symphonies using body percussion and small instruments.

