

"Everyone valued, everyone challenged, everyone achieving."

Theme - Eureka!

How has technology progressed over time? Why is creativity important for a progressive society and what consequences does further progress offer?

An exploration of change in the complexity of technology and innovations. What problems do we incur in our daily lives and what could we invent to solve these problems? Are inventions drivers of social change?



Big Ideas

SPACE TIME
Space and time are interlinked and connect everything that is in our past, present and future world, universe or creation.

TECHNOLOGY
Technology describes the methods, systems and inventions of solving problems using scientific knowledge



English

Year 5 will be following the theme of EUREKA! Through exploring poetry in relation to dreams, pupils will be able to understand how dreams give birth to amazing ideas which leads to great discoveries and inventions.



Did you know the sewing machine was inspired by a dream? In 1845, Elias Howe dreamt that he'd been captured by cannibals who gave him an ultimatum - he had to invent a sewing machine within 24 hours or suffer a painful death. He failed, so they attacked him repeatedly with spears that had a hole in the tip. Howe realised that he had to put an eye in the needle to create the lock-stitch sewing machine that he'd always struggled to invent.

Year 5 then go on to read the text 'Stig of the Dump' by Clive King. Pupils will compare modern day inventions to those of the Stone Age. Following this unit of work, students will continue to explore inventions from Eureka moments of the past with the creation of the Titanic and its unfortunate demise.

In their guided reading sessions pupils will improve their comprehension skills by using the reciprocal reading strategies to deepen discussion and understanding.

Pupils will be encouraged to find evidence from the text when making a point or to support their opinions.

Year 5 Curriculum Guide Spring 2023

Year 5 Team

Mr Allchurch (VGL) 5A, Mrs Hoque 5H, Mrs EL-Khamlichi 5M
Mr Quist 5Q

In Year 5, we continue to support pupils in all areas of the curriculum. We aim for pupils to be confident and independent learners.

We continue to thank parents for your partnership with our school and your involvement in your child's learning. Please do not hesitate to speak to your child's teacher if you have any questions or concerns.

Enrichment

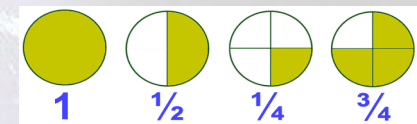
Visit to London Bridges / Science Exploration

Home Learning

Homework will be set weekly on Google Classroom and includes: spellings; writing tasks; comprehension activities and maths work. Please ensure your child reads for at least 30 minutes each day and discuss their books with them. This will support their writing, as well as develop their love for reading. We will monitor reading records weekly and look forward to pupils' views on what they have read.

Mathematics

We will continue to follow the Maths No Problem scheme. Pupils will learn how to add, subtract and multiply fractions. They will compare and order fractions by finding equivalent fractions. They will develop a better understanding of fractions with different denominators, improper fractions and mixed numbers. Then they will begin to multiply fractions by whole numbers and multiply mixed numbers by whole numbers. They will also explore solving multi-step word problems based on fractions. Finally, they will move on to decimals and percentages and geometry with focus on regular and irregular polygons and identifying 3D shapes.



Computing

This term, our focus is on programming. Pupils will learn that procedures/algorithms can be used to solve problems and plan for specific outcomes. They will design and write programs that meet specific goals. They will also solve problems by decomposing them.



PE - Monday and Wednesday

Indoor Focus: Gymnastics and Badminton
Outdoor Focus: Football and Tennis

Please remember to make sure your child brings in their PE kit every Monday. Please ensure that your child has their name written on all clothing.



Science



This term, pupils will be exploring the theme of Earth and Space. They will look deep into the movement of our solar system, in particular at the movement of the Earth and how this links to our day and night. We will then move on to the

moon and how its movement is relative to the Earth. This will interlink with James Lovelock and his best known work proposing the Gaia hypothesis, which postulates that the Earth functions as a self-regulating system. Year 5 will then move on to forces; they will begin to understand and explain how gravity plays a role in everyday life. Pupils will also look into the work of Albert Einstein; widely acknowledged to be one of the greatest physicists of all time.



Music

This term we will be focusing on rhythm and pulse. Our musician of the term will be Ludwig van Beethoven, who was a German composer and pianist whose music ranks amongst the most performed of the classical music repertoire; he remains one of the most admired composers in the history of Western music.



Geography

Year 5 will cover the topic of natural resources. This includes: human geography; types of land use; economic activity; trade links; the distribution of natural resources including energy, food, minerals and water. Pupils will identify where natural resources can be found and how they can be used safely to feed us, clothe us, heat our homes and transport us all around the world. Pupils will also look at identifying what finite and non-renewable resources are, e.g. coal, natural gas and oil. In addition, they will identify which natural resources can be found in the UK as well as discovering which resources are traded in and out of the UK. This also links to the curriculum theme of EUREKA! - exploring how inventions have progressed over time in the form of harnessing and using natural resources.



History

We will be looking closely at famous inventors from the past who have created some of the greatest inventions today! Pupils will be given the opportunity to research inventions and focus on the big question: 'how has the invention impacted on society?' Pupils will investigate how inventions started and how they have improved, comparing how life is today as well as analysing changes over time.

Year 5 will also focus on Isambard Kingdom Brunel, who designed many famous bridges. Pupils will have the opportunity to create their own bridges, letting their creativity flow!



Art/DT

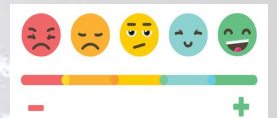


Pupils will be exploring photography and how it pioneered a new understanding of Art no longer constrained by the need to represent reality. They will discover how the science of photography led to a range of new painting techniques. They will have the opportunity to handle cameras, creating their own compositions, montages and narratives inspired by the photographs of Man Ray, David Hockney and Anna Atkins. In DT they will explore structures, designing and making their own bridges.

RE/PSHCE

RE - Year 5 will focus on how Christians try to follow Jesus' examples. We will look closely at how people and experiences influence the choices we make and how religion plays a big part in this. Another area will be to explore what other religions and world views are about God. This will link into our theme of Eureka, as we will discuss how Jesus spread Christianity.

PSHCE - We will be looking at the feelings and emotions pupils might face in different situations. We will discuss how best to express feelings and recognise those of others too.



French



This term, we will be learning to recognise and use simple negatives; extend vocabulary of adverbial sentence starters; use pronouns; respond to dictation and name family members. We will be writing sentences from a model or memory, as well as asking and answering simple questions. Pupils will further develop spelling skills and learn a French poem.