

"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 curriculum's theme of EUREKA! Through exploring poetry in relation to dreams, children will be able to understand how dreams give birth to amazing ideas which leads to inventions.

*Did you know? The sewing machine was inspired by a dream? A violent murder nightmare led to the humble sewing machine. 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. How he realised that he had to put an eye in the needle to create the lock-stitch sewing machine he'd always struggled to invent.*



Year 5 then go on to read the text Stig of the Dump by Clive King where students 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.

#### Guided Reading Skills - Spring focus

- Improve comprehension skills by using the Reciprocal Reading strategies to deepen discussion and understanding

### Year 5 Curriculum Guide Spring 2021

#### Year 5 Team

Mrs Begum (YGL) 5B, Mr Pasha 5P Ms Austin 5A, Mrs Begum 5S

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

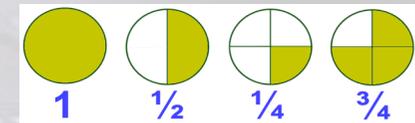
Shakespeare Workshops - Hamlet

#### Home Learning

Homework will be set weekly on Google Classroom: spellings, writing tasks, comprehension activities and Maths work. Please encourage your child to read for at least 30 minutes each day. This will support their writing as well as develop their love for reading. We will monitor reading records weekly and look forward to children's views on what they

### 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. At the end of the chapter, pupils 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. Year 5 will then move on to decimals and percentages.



### PE

Focus: Football, Handball and Dance.

Please remind your children to wear their PE kit on the day they will be having a PE lesson. Please ensure that your child has their name written on all uniform.



Monday - P.E

Wednesday - Gym

### Computing

This term our focus is on communicating and collaborating. Children will be exploring the different ways of communicating messages including Morse Code, Semaphore and ciphers. The children will also learn about coding and decoding and understand the importance of encrypting information for safety purposes.



## Science

This term, year 5 will be exploring the topic of properties and changes of materials. They will be taught to explore the materials around them that are used on a daily basis. The pupils will compare and group materials, based on properties, as well as investigate materials best suited for a purpose. They will also make reference to previous knowledge about solids, liquids and gases, building on this throughout the unit.



The scientist focus for the term is Alfred Nobel, a Swedish inventor, which links to the history unit of Inventors and Inventions. Pupils will use their new knowledge of materials when constructing their own bridges in DT.



## 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. They will identify where natural resources can be found and how they can be used safely; how humans can use them safely to feed us, clothe us, heat our homes as well as transport us all around the world. We also look at identifying what finite and non-renewable resources are, e.g. coal, natural gas and oil. We also identify which natural resources can be found in the UK as well as discovering are traded in and out of the UK. This also links in with the curriculum's big idea of EUREKA! as we explore the ideas of 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 the invention has impacted society?' The pupils will compare how life is today and analyse the changes over time, how inventions started and how they have improved.

Year 5 will also focus on Isambard Kingdom Brunel, who invented bridges, linking to our DT unit. The pupils will have the opportunity to create their own bridges, letting their creativity flow!



## Art/DT



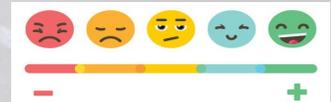
Pupils will be exploring the work of Marc Chagall who was famous for his work based on emotional and poetic associations. They will gain inspiration from his work and create their own artwork using stories and poems as stimuli, developing their skills of tone and texture. The children will create abstract art, focusing on the effect of light from different directions.



## RE/PSHE

RE- Year 5 will focus on how Christians try to follow Jesus' example. We look closely at how people and things influence the choices we make and how religion plays a big part for some. This will link into our theme of Eureka 'The big idea' as we will discuss how Jesus spread the religion.

PSHE- We will be looking at feelings and emotions children 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.; name family members, celebrations, sports and the weather. We will be writing sentences from a model or memory as well as asking and answering simple questions. We will develop spelling skills and learn a French poem.