

Year 4 - Spring 1

Inventions that changed the world

In English the children will be learning:

- About dilemma stories
- About Newspapers
- About poetry
- How to create settings, characters and plot
- About the correct use of inverted commas
- About the correct use of conjunctions (when, if, because, although)
- About the present perfect form of verbs

In Maths the children will learn how to:

- Identify acute and obtuse angles and compare and order angles up to two right angles by size
- Read roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value
- Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects
- Recall multiplication and division facts for multiplication tables up to 12 x 12
- Estimate, compare and calculate different measures, including money in pounds and pence

In Technology the children will learn:

- How to make a pinhole camera
- How levers, gear and cams work
- How to make a moving toy
- How to invent and build something to solve a problem
- To design and make products to meet specific needs
- To make usable plans
- To use simple tools and equipment with some accuracy
- To identify and implement improvements to their designs and products
- To identify the ways in which products in everyday use meet specific needs
- To suggest improvements to products in everyday use

In PE the children will:

- Be continuing to swim each week

In Art the children will learn how :

- Technology has been depicted in art
- About techniques in traditional and modern art
- How to create digital art
- How to make a print
- To use art as a means of self expression
- To choose materials and techniques which are appropriate for their task
- To explain their own work in terms of what they have done and why
- To talk about works of art, giving reasons for their opinions

In RE the we will be focussing on:

- How and why does a Christian follow Jesus?
- How and why people try to make the world a better place
- What encourages us?
- How does the bible affect us each day
- Who has been inspired by Jesus?

In Music the children will learn:

- To recognise and explore the ways that sounds can be organised and used expressively
- To perform simple pieces rhythmically using a limited range of notes
- To choose sounds and instruments which are appropriate for their task

In PSHE the children will learn:

- How to use vocabulary to describe the intensity of good and bad feelings and discuss ways to manage those feelings
- To understand how and why they should keep themselves clean
- To understand when it is necessary to share secrets with others so they do not put themselves or others at risk
- How their actions impact on others and how they can address problems caused

In ICT the children will learn:

- How computer networks can provide multiple services, such as the world wide web
- The opportunities computer networks offer for communication
- To recognize acceptable/unacceptable behaviour and content
- To design and create content to accomplish a given goal

In History the children will learn:

- About significant inventions of the last 100 years
- About inventions in the way we communicate
- About the Islamic 'Golden Age of Invention'
- About the history of flight and associated inventions
- To give some reasons for particular events and changes
- To gather information from simple sources

In Science the children will learn:

- About the air around us and the science of flight
- How to make a paper glider
- About man-made materials and their properties
- How to carry out a scientific test
- To carry out simple investigations
- To prepare a simple investigation which is fair, with one changing factor
- To predict the outcome of investigations
- To use simple scientific equipment
- To test ideas using evidence from observation and measurement
- To link evidence to broader scientific knowledge and understanding
- To use evidence to draw conclusions

In French the children will:

- Learn to use the correct article to precede a noun according to gender
- Learn to use 1st person, 2nd person (singular) and 3rd person of 'to go' accurately with the correct pronoun
- Learn to give and respond to simple movement/direction instructions
- Learn to give simple directions by substituting vocabulary as necessary
- Learn to follow simple directions to find a place on a map

In Society the children will learn:

- How technology and inventions affect people's lives
- How inventions have made life easier or harder
- About inventions from the UK and other countries
- Why some countries have fewer or more technologies than others
- How the inventions of the internet has changed the way we communicate
- How the world's scientist are sharing knowledge about inventions and the latest technology