



St. Mary's Catholic Primary School Curriculum Information



Class 5 Spring Term – Inventors and Inventions

Maths

This half-term children will be identifying the coordinates of missing vertices of shapes. We will also focus on ratio and proportion and apply this to problem solving activities. Children will calculate with negative numbers using the context of temperature. We will recap on number by looking at prime numbers, multiples, common multiples and factors. Children will focus on adding, subtracting, multiplying and dividing a variety of different fraction calculations. They will also interpret and construct line graphs and pie charts. We will apply all that we learn to problem solving and reasoning activities throughout the half-term. It is very important that your child practises their Times-Tables on a regular basis.

Science

In Science children will examine forces in everyday life. Pupils will explore falling objects and raise questions about air resistance. They will experience forces that make things begin to move, get faster or slow down. Pupils will find out about Isaac Newton and how he helped develop the theory of gravitation.

Home learning

Children should continue to read each evening for at least 15 minutes. Please help develop their comprehension skills by asking them questions on what they have read. Year 5/6 children also have access to a reading record book which can be used to write a log about what they have just read. Please ensure that this is completed each evening and returned with their reading book to school each day as there may be opportunities to read independently within the day and there are adults who come into school to practise extra reading with children. Times tables are practised regularly in school so please practise these at home with children. Times table cards are available from class. Children will also have a spelling test on Thursdays. Homework is given out each Tuesday and should be brought back to school no later than the following Monday.

Literacy

Children will complete their learning via Michael Morpurgo's 'War Horse' and 'Gulliver's Travels' by Jonathan Swift. Their final written outcome will be a newspaper report recounting the WW1 story and an adventure story based upon Gulliver's adventures. Children will then move onto examining how to write and structure persuasive and balanced arguments. They will also be exploring the use of flashbacks in narrative writing. They will practice sentence and grammar skills daily with a focus on extending their punctuation further, using a variety of sentence starters and manipulating sentences to create effects. These skills will be applied to a series of short written tasks throughout the unit. Children will also use a variety of speaking & listening skills, kagan structures and drama techniques to investigate this topic further. The lessons will be underpinned by a series of Grammar and Punctuation starters which will enhance the quality of their written work.

Computing

Children will continue to develop their online safety skills to identify the risks involved with contact, content and their own conduct whilst online. The children will take part in Safer internet day and this term they will use the program scratch to develop their programming skills.

D.T.

Children will investigate moving vehicles and design and make their own vehicle using a balloon to power it forward. This activity will help pupils learn how wind energy can be used to propel an object, as well as other principles in physics like momentum, force, friction, and speed. Teaching will be linked closely to our Science learning about Forces.

Religious Education

Children will investigate 'The Bible, the special book for the church' as the story of God's love, told by the people of God. Children will first look at books in general and the purpose for which they were written then progress to learn about the Bible. The children will learn about the kinds of books in the Bible and look up Bible references. They will write a code of respect for correct use of the Bible. They will hear stories from the Bible, identify themes, similarities and differences, as well as learning the message that is intended. We will look at both the New and Old Testament and why the Bible is important in our daily lives.

P.E.

Children will enhance their gymnastic skills through a series of lessons focussing on jumps and rolls and leading up to a finished sequence which will be performed in groups.
Please ensure your child has a full P.E. kit in school.

History

As part of our topic we will be focussing on the history of Baghdad. The learning within this theme focuses on the early Islamic civilisation in Baghdad around the year AD900 commonly known as the Islamic Golden Age. They will link this learning to the inventions topic and study inventions from this period and how the inventions changed people's lives.