

Inventors and Inventions - Autumn 1



Welcome to Year 5!

I hope you have all had a lovely summer break and are feeling refreshed and ready for action! I am very pleased to have Mr. Carroll as our class Teaching Assistant this year and we are both looking forward to some exciting topics.



English

We will focus our work around *The Invention of Hugo Cabret* and will explore story writing, including developing characters, creating plot and describing settings. As always, will continue to develop our spelling, punctuation and grammar skills (SPaG) throughout our reading and writing work as well as specific focused lessons. We will begin by looking at nouns. We then explore some persuasive texts linked in with having a holiday and write our own holiday adverts in a similar style.

How you can help: whilst your child is reading to you, encourage them to locate challenging vocabulary, discuss the meaning with them and get them to use it in their own sentence; talk about the story so far and make predictions using clues in the text; encourage them to say why they think or believe in something using words such as 'because'; continue to learn spellings with your child making it fun by using the activities sheet.

Maths

We have a big focus on number and place value at first, making sure that the foundations are in place ready to build on the rest of our mathematics. We will include things like rounding before moving onto addition and subtraction. We will carry out a range of practical activities and written work and will link in problem solving and reasoning throughout most of our lessons. Times tables will be sent home each Friday and it is really important that you help your child to learn them for a test the following Friday.

How you can help: continue to learn the times tables with your child and get them involved with as much real world problem solving as possible. They can help you to work out costs and change when out and about, help them to see shapes and patterns as you travel around and help them to learn key facts such as how many centimetres are in a metre and what a prime number is. Mathsframe has some good activities, many of which are free and I also like multiplication.com because it has some really fun games that can be customised.

www.nopressuremaths.com

www.transum.com

www.mathsframe.co.uk

www.multiplication.com

www.activelearnprimary.com

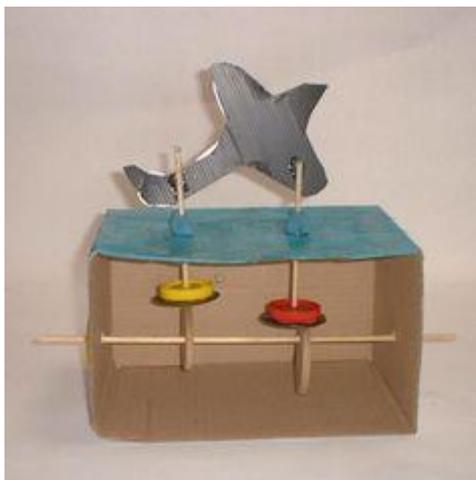
Religious Education

In this half-term, we will explore The Creation story, the first story in The Bible. We will wonder about God's creation after reading and discussing it; recognise that we are stewards who have been asked to look after the world by God; consider ways that we can care for God's creation; explore climate change and know that it is affecting God's gift to us and that it is our responsibility to reverse the effects; identify how we can help other people in the world.



Science

Our focus in science is forces. We will identify the effects of air resistance, water resistance and friction by identifying forces acting on objects; explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object by measuring the force of gravity pulling on objects; identify the effects of air resistance by investigating autogyros, carrying out a fair test and altering a variable; identify the effects of water resistance by creating and racing streamlined boats; identify the effects of friction by investigating brakes and recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect by exploring and designing a simple mechanism. We will carry out some research into some famous inventors and inventions.



D.T.

We will look at how cams, levers and pulleys are used in the real world by investigating toys and examples such as door handles, scissors and corkscrews and how they have effects and can change movement. We will then design a toy for Blackpool Zoo that uses one of the mechanisms identified. We will use tools such as saws, the bradawl and craft knives to make a working toy that has movement. We will design and make our products, focusing on a professional finish. We will then evaluate our own work and that of somebody else, making suggestions for improvements and giving positives.

P.E.

On Monday afternoons, we will play Tag Rugby. This is a non-contact version of Rugby and is usually enjoyed by all children. We will play this on the field, weather permitting, so trainers may be worn. We look at skills such as dodging and weaving, blocking, chasing, tagging effectively, throwing and catching and teamwork skills. On Wednesday afternoons, we will be doing Tennis. This will involve developing our use and control of a racquet to hit a ball. We will start small, learning lots of skills and techniques such as how to hold the racquet and play a forehand and backhand shot. We will build up to rallying over a net improving our aim.

Computing

We will develop our ability to search the internet safely for information and then evaluate webpages using different criteria. We will find out how search engines work and how the internet and World Wide Web are different. We will explore computer networks that have a switch, firewall, end users, printers and servers. We will locate these things around school. We will also look at how things are sent in packets. We will use our findings to create our own version of webpages around the theme of famous inventors combining images, text and using hyperlinks.

History

We will find out about the importance of Baghdad's role in the early Islamic Civilisation; find out about the House of Wisdom and how it became a centre for learning; explain some of the significant discoveries by early Islamic Scholars and know about Muhammed and the Silk Road trade route. We will set up for a comparison with one of our later topics exploring Anglo-Saxons as these two periods were based at similar times. Baghdad being the 'Golden Age' and the UK being the 'Dark Ages'.



French

Year 5 will be taught by Mrs. Spacey on Friday mornings. We will study introducing ourselves, expressing our feelings and the names of the school subjects.

Music

Year 5 will be taught by Mrs. Mallinson, our music specialist on Friday mornings.

Please come in to see me after school if you have any issues or concerns, or make an appointment through the office.

Thank you.

Mr. Knight