

What we are learning about:

Our topic/theme this half term is:

Our Universe

The key texts we will be using will be:

Cosmic by Frank Cottrell Boyce

We will be learning to:

With this term's topic, we are considering our place in the universe. In history, we will be studying the origins of the 'Space Race' and the chronology of space exploration.

In science, we will be taking part in the 'Energy Challenge' organised by Astra Zeneca. We will also be looking at gravity, friction, air resistance, and water resistance.

In PSHE, we will be studying 'Healthy and Safer Lifestyles' with a particular focus on drug education. This will involve discussing what we mean by the terms 'medicines' and 'drugs', 'legal' and 'illegal' and thinking about the impact or risk that different substances can have on the human body.

Mathematics:

In Mathematics, we will continue to study fractions and decimals before we introduce the concept of percentages. We will be solving 'real life' problems using our knowledge and skills.

We will then move on to geometry, identifying and classifying 2D and 3D shapes according to their properties.

We will finish the half-term with a unit of work on statistics, thinking about the different ways that we can record and present data.

What we are learning about

English

Reading:

There will be a particular focus on non-fiction text types this half-term. We will begin by finding out about space, space travel and the Solar System by looking at information texts and newspaper reports

Writing:

The focus in writing will also be non-fiction text types. We will be finding out about information texts, instructions and persuasive news editorials and will be writing our own examples of each text type.

Key Vocabulary:

Grammar – apostrophe, modal verbs, imperative, rhetorical questions, sentence types, active and passive voice.

Mathematics – per cent, percentages, statistics, data, bar chart, line graph, pie chart, axis, interval, mean, median, mode, 2D, 3D, translate, reflect, rotate, face, edge, vertex, net.

Science – experiment, energy, balance, recording, results, values table, density, forces, gravity, resistance, friction, energy.

Homework:

In Year 5, children are expected to:

- Read at home for at least 15 minutes, 5 days a week and fill in their reading record. Children should read out loud, to an adult at home, for 2 of those days.
- Learn 5 spellings a week.
- Practise their times tables on Times Table Rock Stars.
- Use Mathematics weekly.
- Discuss the "Talk topic" of the week.
- Over the half term choose from the menu of activities below (a minimum score of 10 points is expected per half-term)

Mild = 2 	Medium = 3 	Hot = 5 
What was the famous quote that Neil Armstrong said when he first stepped on to the moon? What does it mean?	Using straws and pipe cleaners create 3D shapes. Either take a photo or bring it in. Include three facts about your shapes (Number of faces, edges, vertices).	Create a game using 'Scratch'. Write out the instructions for how to play your game.
Ask an adult what their favourite book was when they were a child. Can you find a picture of its cover on the internet? Write down three things that the adult liked about it.	Research who was involved in the 'Space Race.' What problems were faced along the way? Present information on a poster or PowerPoint.	Create a timeline including what you do during the weekend. Try to record the times on analogue and digital clocks. Make labels, include a description of the activity you do and draw a picture.
List 10 regular 2D and 3D shapes that you can find at home.	What can you see out of your window? Write a short poem about what you can see.	Create a board game about the Space Race.

Please bring in your ten points of homework to school on **Monday 1st April.**

Year 5 Newsletter

Fawcett Primary School: *Challenge, Opportunity, Respect, Excellence*

Spring 1, 2019