

Year 5 Term 2 Topic: Pollution

Big Bang: Pollution Detectives

Trip: Visit to Planet Ice, Visit to Rochester Cathedral, Geography local area trip

Our Learning Overview

Pollution

English

This term, we will be reading Floodland by Marcus Sedgwick, which links closely with our learning about pollution. In writing, the children will step into the role of a character from the story to write and deliver a high-quality speech. They will then write a balanced argument considering whether plastic should be banned, weighing up the points for and against.

Maths

In maths, our focus will be multiplication and division. The children will begin by exploring multiples and factors, before learning to identify prime, square and cube numbers. They will then develop their understanding of place value by multiplying and dividing by 10, 100 and 1,000. Following this, we will move on to fractions. The children will learn to find and recognise equivalent fractions and convert between improper fractions and mixed numbers. They will compare and order fractions, both less than and greater than 1, before learning to add and subtract fractions, including mixed numbers.

Science

In science, our topic is Earth and Space. The children will learn how the Earth and the other planets in our solar system orbit the Sun and how the Moon orbits the Earth. They will discover that the Sun, Earth and Moon are roughly spherical and use their understanding of the Earth's rotation to explain day and night and why the Sun appears to move across the sky.

Computing

In computing, our topic is databases. We will explore what a database is and how information can be organised within one. We will design and create our own databases, as well as build queries to search existing ones for specific information. By the end of the unit, we will be using both single and multiple table databases to solve problems.

Geography

In geography, our topic is pollution and its effects. The children will explore the different types of pollution, where it comes from and the impact it is having on our planet, particularly our oceans and rivers. They will use maps and their understanding of the water cycle to investigate how pollution travels and affects places around the world. The children will also carry out fieldwork in our local area to record and present their findings on litter, before considering what can be done to reduce pollution.

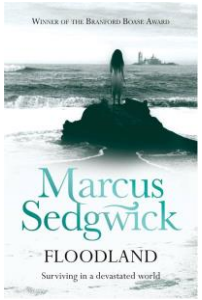
RE

In RE, we will focus on four key stories from the Gospels where Jesus directly challenged his society. We will see how his questioning of wealth and religious observance caused opposition at the time. The children will investigate how these ideas influence Christian living today.

Art

In art, our big question is 'What gives you hope for the future?' The children will study the work of artist Jade Purple Brown, exploring her use of bold colours, patterns and symbols. Inspired by her style, they will create their own vibrant painting showing the future they hope for.

Key Text



Key dates:

Wednesday 11th November – Remembrance Day

Wednesday 18th & Thursday 19th November – Parents evening

Monday 23rd November – Whole school trip to planet ice

Wednesday 2nd December – Carol festival at Rochester Cathedral

Thursday 3rd December – Christmas Fair

Tuesday 8th December – KS2 Christmas concert

Thursday 10th December – Christmas Jumper Day & Christmas Dinner

Friday 18th December – Last day of term

Music	In music, the children will begin by exploring time signatures and performing together. They will then learn to play rhythms expressively, using dynamics and musical motifs, before investigating how rhythms can be layered to create texture. The children will also be rehearsing for the Rochester Cathedral Carol Concert, learning a range of traditional carols and building their singing skills and confidence.
PSHE	In PSHE, children will be celebrating difference, learning about different cultures, racism and bullying. They will develop strategies to support themselves and others and learn to respect and celebrate the differences between us.
PE	On Wednesdays, our PE lessons will be outdoors, where the children will be learning to play basketball, developing their dribbling, passing and shooting. On Thursdays, the children will be going swimming.

Geography Local area trip date to be confirmed.

Key information:

PE days for this term are Wednesday (outdoor PE) and Thursday (swimming). Please send children to school wearing their PE kit on both days with jewellery removed and long hair tied back. On Thursday, children need to bring in their swimming kit in a bag with swimming costume/swimming shorts, towel and googles (if they use them).