

Maths

Area and perimeter

This term pupils will measure and calculate the perimeter of composite rectilinear shapes. They will calculate and compare the area of rectangles and estimate the area of irregular shapes. Pupils will estimate volume and capacity and solve problems involving converting between units of time.

Statistics

This term pupils will solve comparison, sum and difference problems using information presented in a line graph. They will complete, read and interpret information in tables, including timetables.

Geometry

This term pupils will identify 3-D shapes, including cubes and other cuboids, from 2-D representations. They will know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles. Pupils will use the properties of rectangles to deduce related facts and find missing lengths and angles as well as distinguish between regular and irregular polygons based on reasoning about equal sides and angles.

Number

This term pupils will interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero.

Topic (Geography) – Climate Change

This term pupils will learn about the effects of Climate Change. They will describe and understand key aspects of human geography including the distribution of natural resources such as energy, food, minerals and water. They will describe and understand key aspects of physical geography including climate zones, biomes and vegetation belts. They will use their geographical knowledge to conduct fieldwork on human and physical features in the local area.

P.E

This term pupils will learn and practice Hockey skills. The pupils will develop their social skills by working together in team games.

Swimming

The pupils will swim competently, confidently and proficiently over a distance of at least 25 metres. They will use a range of strokes effectively [for example, front crawl, backstroke and breaststroke] as well as perform safe self-rescue in different water-based situations.

Year 5 Summer Term 2023 Topic Web

English

Class books: Swimming Against the Storm by Jess Butterworth, Window by Jeannie Baker and The Promise by Nicola Davies.



This term the types of writing that the pupils will focus on are narratives, newspaper reports, persuasive writing and letters.

Grammar and punctuation

This term pupils will focus on using passive verbs, relative clauses, modal verbs, formal speech and a range of punctuation in their writing.

Climate Change

Big Question:

Who am I?

How do I act? Why?

What can I give Him?

How can I build a better world?

Science

Living things and their habitats

This term pupils will describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird. They will describe the life process of reproduction in some plants and animals.

Animals including Humans

This term pupils will describe the changes as humans develop to old age. They will learn about the changes experienced in puberty. Pupils will work scientifically by researching the gestation periods of other animals and comparing them with humans; by finding out and recording the length and mass of a baby as it grows.

Language

This term pupils will learn Italian words and phrases.

Music

This term pupils will use and understand staff and other musical notations. They will use rubbish to compose and perform music based on climate change.

RHE

This term pupils will follow the scheme of work in Relationships and Health Education (RHE) that will focus on sharing, cyberbullying, abuse and puberty.

RE

Easter

This term pupils will learn about the Easter Vigil and the Church's belief in eternal life through the Easter story and the Story of the Ascension of Jesus into heaven.

Pentecost

This term pupils will gain greater insight into the Church's belief in the Holy Spirit. They will explore the Christian belief in the Holy Trinity and prayer and devotion to the Holy Spirit.

The work of the Apostles

This term pupils will understand the significant role the Apostles played in proclaiming the Good News.

Marriage and Holy Orders

This term pupils will understand that Marriage and Holy Orders are important Sacraments of Commitment in the Church.

Computing

This term pupils will follow a computing scheme to learn about networks, the internet and searching.

Art/DT

This term pupils will learn about great artists, architects and designers in history. They will use a variety of materials to create artwork based on the theme climate change.

Year 5 Summer Term 2023 Knowledge Organiser

<u>KEY QUESTIONS</u>	<u>TOPIC VOCABULARY</u>	<u>SCIENCE VOCABULARY</u>
<ul style="list-style-type: none"> • What is climate change? • How can we combat the climate emergency? • What is human geography? • What impacts do humans have on climate change? • What effect does climate change have on humans? • What is physical geography? • How has the global temperature changed overtime? • What effect does climate change have on the environment? • What is the impact on our local area? • How has the local area changed? 	<p><i>Can you find out the meaning of these words and use them in a sentence correctly?</i></p> <p>Climate change Human geography Physical geography Distribution Natural resources Energy Food Minerals Water Climate zones Biomes Vegetation belts Fieldwork Sustainable Power Renewable Emissions Green house gases Global warming Habitats Temperature</p>	<p><i>Can you find out the meaning of these words and use them in a sentence correctly?</i></p> <p>Habitats Life cycles Mammals Amphibian Insect Bird Animals Humans Reproduction Life process Puberty Gestation periods Mass Length Food chains Living things Non-living things</p>