

## **WOW**

Science workshop – Dr T.D  
Wacky Races

## **English**

‘Cosmic’ – Frank Cottrell Boyce

Sci-Fi stories (F)

‘Floodlands’ – Marcus Sedgewick

Persuasive Letters (NF)

Newspapers (NF)

## **SPaG**

Punctuation and Editing (capital letters, full stops and commas)

Speech punctuation (direct and reported speech)

Tense

## **Geography – Spring 1- Our Planet**

During this topic, children will learn about the continents, countries and capital cities around the globe. They will use maps to find out about different areas, identifying norther and southern hemispheres, the equator and use longitude/latitude to explain positions. In this topic children will look at Geographical features of countries and the effects that humans have non the natural world, such as erosion.

## **Geography – Spring 2 – North and South America**

In this topic, children will investigate North and South America, making comparisons between the regions and between the UK. Children will discuss topical issues such as deforestation and climate change.

## **Maths**

Fractions, decimals and percentages, 2D and 3D shapes, Area and perimeter, Problem solving.



## **Art – Spring 1**

Pupils will be taught to improve their mastery of art, working form the inspiration of Peter Thorpe’s space art.

Rubber band cars – linked to Forces - Science

## **Design and Technology – Spring 2**

Pupils will be taught to select from and use a wider range of materials according to their functional properties and aesthetic qualities to produce rubber-band cars (linked to Science topic).

## **Science**

### **Earth and Space – Spring 1**

Describe the movement of the Earth, and other planets, relative to the Sun in the solar system.

Describe the movement of the Moon relative to the Earth.

Describe the Sun, Earth and Moon as approximately spherical bodies.

Us the idea of the Earth’s rotation to explain day and night and the apparent movement of the Sun across the sky.

### **Forces – Spring 2**

Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object.

Identify the effects of air resistance, water resistance and friction, that act between moving surfaces.

Recognise that some mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect.

## **British Values:**

Children also debate Space Tourism in our Science unit. In our Wild Weather topic, children look at ideas for ways to help support people in areas more affected by extreme weather (respect/tolerance) and look at the laws that are in place to ensure governments look after inhabitants. We discuss laws and morals, and reflect on the rights of the child from Autumn Terms in regard to the right to shelter, safety etc. Children debate the causes of climate change (democracy) Children will explore tribes in the Amazon Rainforest (and other locations) and discuss the similarities/differences (individual liberty). We look at laws that are in place to protect areas of the globe such as the amazon rainforest which are most at risk (laws).

## RE

### **Spring 1 - Does the community of the Mosque help Muslims lead better lives?**

Is religion the most important influence and inspiration in everyone's life?

Does participating in worship help people feel closer to God or to their faith community?

### **Spring 2 – Was the death of Jesus a worthwhile sacrifice?**

Should religious people be sad when someone dies?

Is religion the most important influence and inspiration in everyone's life?

## Music

Pupils will be taught to listen with attention to detail and recall sounds with increasing aural memory.

Appreciate a wide range of high-quality live and recorded music drawn from different traditions, great composers and musicians.

History of Music on xyz music scheme

## Year 5 Earth and Beyond



Spring 1 and 2 2023-2024

## Languages: Spanish and French

Pupils will be taught to broaden their vocabulary and develop their ability to understand new words that are introduced into familiar written material, including through using a dictionary.

## Computing

### **Spring 1:**

Pupils will understand effective use of the internet, including staying safe, browsers and researching effectively.

### **Spring 2:**

Pupils will explore Scratch, working towards designing and creating their own game.

## PE

Pupils will rotate between Tag Rugby, Circuits Netball and Dance this term.