

## English

Cosmic by Frank Cottrell Boyce – Science Fiction

Mars Transmission – Report

### Class novel

Wonder by R J Palacio – daily reading of this text

## Music

Chords

Children will learn that if they play three or more pitches together, they can create chords in music. Chords provide the basis for accompaniment in music. By using chords in compositions, they can create music that is really interesting. In this unit, you will create an accompaniment and will learn about chords.

## PE

OAA  
Teambuilding  
(Rossendale  
Leisure Trust –  
Sports Coach)

## Maths

The children will learn to:

- Multiply a 4-digit number by a 1-digit number
- Multiply a 2-digit number by a 2-digit number
- Multiply a 3-digit number by a 2-digit number
- Multiply a 4-digit number by a 2-digit number
- Short division
- Divide a 4-digit number by a 1-digit number
- Multiply fractions by integers
- Calculate fractions of amounts

## Science

The Solar System

Children will learn to:

- describe the movement of the Earth and other planets in relation to the sun
- describe the movement of the moon in relation to the Earth
- use the idea of the Earth's rotation to describe day and night

**Year 5**

**Spring 1**

## Computing

Computer programming

In this unit, children will use physical computing to explore the concept of selection in programming through the use of the Crumble programming environment. Children will be introduced to a microcontroller (Crumble controller) and learn how to connect and program components (including output devices- LEDs and motors) through the application of their existing programming knowledge. They will be introduced to conditions as a means of controlling the flow of actions and make use of their knowledge of repetition and conditions when introduced to the concept of selection (through the if, then structure).

## DT

Mechanical systems - making a pop up book

Children will design and make a pop up book which uses a mixture of structures and mechanisms. They will follow a design brief with a focus on neatness and accuracy. They will make mechanisms and/or structures using sliders, pivots and folds to produce movement. Layers and spacers will be used to hide the workings of mechanical parts for an aesthetically pleasing result. Finally, they will evaluate the work of others and receive feedback on their own work.

### Other notices:

**Homework:** Maths and English homework handed out on a Friday to be handed in the following Thursday

**Spellings:** test every Friday

**PE days:** every Tuesday

## RE

Children will learn about Hinduism:  
- What might Hindus learn about stories from Krishna?

## PSHCE

Keeping safe

- Bullying
- Online safety
- Risky situations
- Vaping