

## English

The children will be focusing on writing through various stimuli including pictures, videos and texts. They will write a variety of texts including:

- Reading-Cosmic: It's one giant leap for all boy-kind by Frank Cottrell Boyce
- Biography of Isaac Newton
- Story with a flashback
- Performance Poetry

Within the writing, there will be a focus on grammar, punctuation and vocabulary.

## Maths

The children will be applying their knowledge of the following to a range of fluency, reasoning and problem solving questions:

- Factors and common factors
- Prime numbers, square and cube numbers
- Multiplying and dividing by 10, 100 and 1000
- Multiples of 10, 100 and 1000
- Factors

## PE

### Gymnastics

- Symmetrical and asymmetrical balances
- Straight, forwards and backwards roll
- Methods of travelling
- Matching and mirroring using floor and apparatus
- Create a sequence using apparatus

### Basketball

- Dribbling, set shot and jump shot
- Moving into a space
- Passing
- Defending and applying rules and tactics to a game scenario.

## MFL-French

Speaking, listening and writing simple sentences including:

- Personal descriptions
- Family
- Clothing and colours
- Christmas

## RE- Islam

- What does the Qur'an teach Muslims about how they should treat others?
- How do Muslims act in the world?
- How are Muslim beliefs expressed in practice?

## Computing

- Flowcharts
- Draw and interpret a flowchart (including symbols).
- Write it on paper and create in Publisher.
- Include multiple outputs
- Use a decision symbol
- Create the programme (flowchart) in Scratch and test.

## Science

### Forces

- Explain and understand 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
- Water resistance
- Understanding Issac Newtons theories

## DT

Designing, creating and evaluating a solar system toy using mechanisms.

## PSHE (Jigsaw)

- Celebrating difference

## Geography

- Compare two different regions in the UK (Hull and the Lake district)
- Refamiliarisation with maps
- Longitude and latitude
- Time zones
- Climate zones
- Looking at the local area
- Continents and oceans

# Year 5 Out of this World!

