

**Autumn 1**  
**2024-2025**  
**Year 5**

**Thorpepark 50**



### **Geography** **Sticky knowledge**

- The country America is broken down into 50 states and the capital city is Washington DC. North America has 23 countries
- North America has 9 time zones
- The Grand Canyon and Colorado River are examples of physical features.
- The Grand Canyon has a cool semi-arid climate with hot summers
- There are different biomes at different parts of the Grand Canyon.
- There are forests at higher altitudes and desert basins at lower altitudes
- Water is the main natural resource in the Grand Canyon. In the past people mined gold and other precious metals there
- Mining has a negative impact on the Grand Canyon. It threatens wildlife and drinking water.

### **Science- forces**

#### **Sticky knowledge:**

- Friction is a contact force e.g. trainers or mats for a helter skelter
- Gravity is a force that acts at a distance, pulling objects towards the Earth, causing them to fall
- A force causes an object to start moving, stop moving, speed up, slow down or change direction
- Air resistance is a contact force e.g. parachutes
- Water resistance is a contact force e.g. the shape of a shark to help it move easily through the water
- A mechanism allows a small force to move a larger object
- Pulleys, levers and gears are all mechanisms

### **Writing**

- Basic skills/ grammar
- Warning tale
- Persuasive letter
- Cinquain poetry

Religion Beliefs and values- Beliefs into action

### **Maths**

- Place value
- Addition & Subtraction
- Multiplication & Division

### **Jigsaw**

Being me in my world

**Lost in space**  
**What is there beyond Earth?**

In story time we will be reading...

Cosmic by Frank Cottrell



### **Music**

We will be looking at Melody and Harmony in Music

### **Design Technology**

We will be making a mini space ride using a CAM to make it turn and spin.



### **Computing**

The children will be learning how to use Microsoft Word

