

Autumn 1
2022-2023
Year 5

Thorpepark 50



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

-Warning Tale

-Non-Chronological Report

-Metaphor Poetry

-Book review

Religion Beliefs and values- Beliefs into action

Maths

Place value

Addition & Subtraction

Multiplication & Division

Jigsaw

Being me in my world

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.

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 the song 'Livin on a prayer'

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

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Autumn 2
2022-2023
Year 5

Art

We will be sketching and using water colours to create Lowry style paintings.



Religion beliefs and values-

All about Christmas

Jigsaw- We will be celebrating differences

In story time we will be reading...

Cosmic by Frank Cottrell



Thorpepark 50



Maths

Multiplication & Division
Fractions A
Consolidation

Lost in space

What is there beyond Earth?

History sticky knowledge

- Slavery is keeping someone against their will and forcing them to work.
- Life for slaves was very hard. They were separated from their families and treated like animals
- William Wilberforce was born on 24 August 1759 at 25 High Street. He was a politician from Hull, who helped abolish the slave trade
- William Wilberforce is famous for abolishing slavery in England.
- William Wilberforce has a statue dedicated to him and his house is now a museum
- Many people supported the abolition of slavery from politicians, quakers, former enslaved people and working-class people.
- Slavery still happens today.
- Black people are still fighting for equal rights and this is known as the black lives matter movement today.

Writing

- Beat the Monster Story
- Editorial
- Glossary
- Biography

Music We will be looking at the songs 'Classroom Jazz' to learn about tempo, beat, rhythm and performance!

Computing

The children will be learning how to use Excel

Science- Earth and Space

Sticky knowledge:

There are 8 planets in our Solar System (Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune). Pluto is a dwarf planet. They all orbit the Sun, which is a star.

The Sun is a star and it is at the centre of the solar system

It takes 365¼ days for Earth to orbit the Sun because of the extra quarter day, every 4 years we have a leap year (extra day).

It takes one day (24 hours) for the Earth to make a complete rotation on its own axis. This makes it appear as the Sun moves through the sky but the Earth's rotation causes day and night. Different countries have different time zones depending on the position of the Earth to the sun.

The Sun (appears to) rise in the east and set in the west (approximately).

As the Earth rotates, shadows that are formed change in size and orientation.

Earth's tilted axis causes the seasons.

The Moon orbits the Earth anticlockwise and takes approximately 27 days. It spins once on its axis every time it orbits Earth. This means that we only see one side of the Moon. The Moon has different phases depending on where it is in its orbit.

The Sun, Earth, Moon and other planets are approximately spherical