

## Year 5 Project Overview

### SCIENCE

#### Earth, Sun, Moon & Space

Throughout the term, we will look at the Earth, Sun & Moon in detail, including their sizes compared with the other planets. We will learn that the Earth rotates on its axis every 24 hours as it orbits the Sun. This rotation creates day and night and changes the length of shadows. We will explore that the Earth takes approx. 365 days to orbit the Sun. The tilt of the Earth on its axis also means that we have seasons. Finally, we will investigate the 28-day orbit of the Moon around the Earth and know that different amounts of sunlight get reflected to us at different times of the month so the Moon appears to change shape.

### MUSIC

#### The Planets

Hampshire Music Service will be working with Year 5 on Thursdays. We will be creating music using the planets and moonscapes as a stimulus.

### P4C

#### (LINK TO PROJECT)

We will be considering the moral implications of sending chimpanzees to space.

## LOST IN SPACE

Spring 2 2016-17

### PROJECT HOOK:

Blast off! Classroom as a space shuttle with a variety of activities to immerse us in the project, including creating astronaut food!

### PROJECT CELEBRATION:

'Farro Class's Guide to the Galaxy'

### VISITS, VISITORS, THEME DAYS:

Winchester Science Centre and Planetarium  
Wednesday 1<sup>st</sup> March 2017

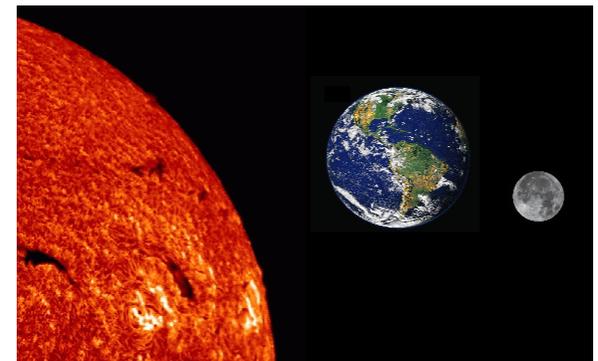
### HOME LEARNING

Complete a 'Moon Diary' to observe how the way we see the moon from Earth changes over time.  
Please bring your moon diary into school on **Monday 27<sup>th</sup> March**, when we will follow up the activity in class.

### ENGLISH

#### (LINK TO PROJECT)

- Tim Peake's Principia Mission blog - we will identify the features of blogging online and write and publish our own blog in role as Tim Peake aboard the International Space Station.
- Farro Class's Guide to the Galaxy - we will look at the concept of space travel and write a persuasive advert to encourage tourists to visit one of the planets.



## ENGLISH

### FOCUS SPELLING RULES:

Adding suffixes to word endings ~cial and ~tial and a range of homophones

**LIBRARY DAY:** Farro class have flexibility to change library books when required

## MATHEMATICS

**Multiplication and Division:** We will use a range of mental strategies to multiply and divide including partitioning, doubling and halving, using known facts and grouping. We will investigate prime numbers, square numbers and cube numbers, as well as common factors, multiples and prime factors. We will also use formal written methods for multiplication and division.

**Measures:** We will be scaling up/ down different measures, and investigating area of compound shapes.

## IMPORTANT INFORMATION

**Reading** - It is essential that you read regularly with your child at home. Encourage them to talk about events in the story and ask them inference questions e.g. 'Why did the character behave in that way?' Look at the text together to identify effective word choices and descriptions.

**Spelling** - Please help your child to learn their focus spelling rules and the spelling words for their Spelling Bee.

**Times Tables** - Please help your child to learn their times tables facts to 12 x 12. It is important that they can recall these multiplication and division facts rapidly.

## ART

### Perspective

We will be using modern architecture and Brunel's Bridges as inspiration for perspective drawings.

## HISTORY & GEOGRAPHY

We do not cover a History or Geography unit in Spring 2, as the project is Science-based. However, we will resume History in the Summer term with WW2 and evacuees.

## R.E.

### Ritual - Paschal Candle

We will discuss the meaning of the concept of *ritual* and talk about rituals in our own lives. We will explain how Christians use the Paschal Candle in a ritual to remember the resurrection of Jesus.

## FRENCH

### Quel temps fait-il?

We will be describing the weather and talking about clothing for different weathers

## COMPUTING

Using Scratch software, we will create a program that controls objects, detect and correct errors in algorithms and design, write and debug programs.

## P.E.

Real PE - we will be building transferable skills such as coordination and balance whilst setting our own goals and unlocking new challenges.

Bikeability - will take place during WC 27<sup>th</sup> March.

## PDL

Drugs - we will understand what is meant by 'legal' and 'illegal' drugs. We will gain some understanding of the effects and risks of illegal drugs and explore attitudes and beliefs towards drug use.