

## Science: Earth and Space

- To recognise key features of the Sun as the centre of our solar system
- To know the names and key facts about the planets in our solar system
- To create a simple model to explore the movement of the Earth and other planets, relative to the Sun in the solar system
- To find out about the size of the Earth, Sun and Moon and how far away from each other they are.
- To know how ideas about the solar system have developed over time (looking at the works of Ptolemy, Alhazen and Copernicus and describing the Sun, Earth and Moon as approximately spherical bodies)
- To use the idea of the Earth's rotation to explain day and night and apparent movement of the sun across the sky
- To construct simple shadow clocks and sundials that are calibrated to show midday and the end of the school day (look at Stonehenge)
- To understand that a moon is a celestial body that orbits a planet
- To describe the movement of the moon relative to the Earth and know the effect it has on our planet
- To use data to draw conclusions about the Sun at different times of the year.
- To compare the different time of day on the Earth through internet links and direct communication.
- To review and assess my understanding about Earth



## Dodgeball (Indoor)

- Week 1— Throwing**  
To be able to complete throws at targets
- Week 2— Dodging and blocking**  
To be able to develop throwing accuracy
- Week 3—Throwing Accuracy**  
To be able to develop throwing accuracy
- Week 4—Catching**  
To be able to catch different throws
- Week 5 - Tactics**  
To be able to play tactically
- Week 6 - Gameplay**  
To be able to set up a dodgeball tournament
- Week 7—Sports Week**  
To compete in a chosen sport

## Netball (Outdoor)

- Week 1** – remembrance week  
To take part in physical challenges like in WW2
- Week 2**—Passing  
To be able to pass legally to another playing
- Week 3**—Passing and receiving  
To be able to pass and receive the ball
- Week 4**—Defending  
To be able to identify defensive positions in netball
- Week 5**—Attacking  
To be able to identify attacking positions in netball
- Week 6**—Shooting  
To be able to improve my shooting
- Week 7**—Gameplay  
To be able to compete against others

## Computing: Information Technology.

- Presenting information** Microsoft Office Word/Publisher
- LO: To create a newspaper article about a new planet. I can show these Computing skills:
  - format and justify text
  - edit hyphenation options
  - use tools to format text into columns
  - cut and paste between applications.
  - delete/insert and replace text
  - make corrections using a range of tools (eg spell check, find and replace)
  - use both hands when typing

## Languages (Salut!): Eating out in France

- Have conversations linked with eating out and buying food.
- Order food and drinks in cafés and restaurants, as well as how to ask for a table.
- Practise some of the numbers covered in the Core Units by asking how much things cost and talking about different weights of fruit and veg.

## History – famous people enquiry skills: astronomers

How significant were Galileo, Copernicus and Herschel in developing our knowledge of astronomy and the solar system?

## Music & Art

Art- Painting Create a painting of a galaxy

Music: Ukulele

## Religious Education:

Theme:

Christmas

Concept: Incarnation

Key Question:

Is the Christmas story true?

## Experiences and Educational Visits:

- VR visit

## STEM Project:

STEM: How can I design my own NASA device?

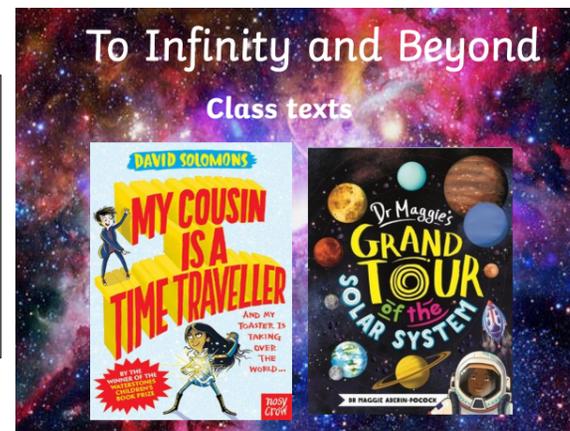
Maths focus: Number

To use all four operations to solve problems involving measure, including scaling.

## Mathematics

Week 1	Week 2	Week 3	Week 4
<b>Arithmetic:</b> Missing numbers in number lines (powers of ten). <b>GEOMETRY: ANGLES</b> <b>LO:</b> To know angles are measured in degrees; estimate and compare acute, obtuse and reflex angles To draw given angles, and measure them in degrees (°).	<b>Arithmetic:</b> Mental + and - <b>PERIMETER AND AREA</b> <b>LO:</b> To measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres. To calculate and compare the area of squares and rectangles including using standard units, square centimetres (cm <sup>2</sup> ) and square metres (m <sup>2</sup> ) and estimate the area of irregular shapes. Maths link: scale of planets (science)	<b>Arithmetic:</b> <b>WRITTEN METHOD FOR X</b> <b>LO:</b> To multiply numbers up to 4 digits by a one - or two-digit number using an efficient written method, including long multiplication for two-digit numbers.	<b>WRITTEN METHOD FOR Division</b> <b>LO:</b> To divide 4 digit numbers by 1 digit using the formal method.

**PSHE:**  
**Celebrating Differences**  
 Why is racism and other forms of discrimination unkind?



## Reading

Week 1	Week 2	Week 3	Week 4
V	E	I	V
Texts: Sun, Earth and Moon (HS) Planetary facts (HS) LO: To use an applying knowledge of root words.	Text: Dr Maggie's Grand tour LO: Identifying how language, structure and presentation contribute to meaning	Texts: Fiction. Newspaper reports LO: To make inferences about characters and plot	Texts: Alien character descriptions LO: I can use the context of the text to check the meaning of unfamiliar words
Week 5	Week 6	Week 7	
S	R	S	
Texts: Non fiction First woman in space (HS) (Valentina Tereshkova) LO: To summarise main ideas from more than one paragraph.	Texts Non-fiction Fact or Opinion Pluto and new horizons (HS) Eclipse of the sun. LO: To retrieve key details from a passage	Texts: The moon poem (HS) LO: I can summarise the main ideas drawn from more than one paragraph.	

Texts: Curiosity, George's Key to the Universe, Moon Poem, Dr Maggie's Grand tour

## Writing

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Writing focus – non fiction Write a detailed fact file about our Solar system	Writing focus: Informative Poster Create a poster (Living on a space station, astronaut skills, a star or a planet).	<b>Writing Focus:</b> Newspaper report Discovery of own planet. Draft in books and edit on laptops weekly. (Information Technology)	<b>Writing Focus:</b> Write a narrative set on the moon Pandora. Video stimulus. Humans must retrieve the mineral 'unobtainium' from Pandora.		<b>Writing Focus:</b> <b>Narrative</b> Alien description - a creature from the moon - pandora. Include artwork.	<b>Writing Focus:</b> <b>Poetry</b> Write their own poem Art: copy onto the picture Use inks 2 colours max. Silver dots
<b>SPAG Focus:</b> Sub headings Cohesive devices	<b>SPAG Focus:</b> Apostrophes for possession	<b>SPAG Focus:</b> -tion spellings Reported speech.- within R4W	<b>SPAG Focus:</b> Expanded noun phrases	<b>SPAG Focus:</b> Punctuation Curriculum recovery	<b>SPAG Focus:</b> Fronted adverbial of time, place, manner, degree.	<b>SPAG Focus:</b> Similes and metaphors- The moon poem
<b>Spelling Focus:</b> Spelling frame Rule 26 Word List 3/4	<b>Spelling Focus:</b> Spelling frame Rule 27 Suffix -tion	<b>Spelling Focus:</b> Spelling frame Rule 28 Word List Year 3/ 4	<b>Spelling Focus:</b> Spelling frame Rule 29 Word List Y3/4	<b>Spelling Focus:</b> Spelling frame Rule 30 Word List Y3/ 4	<b>Spelling Focus:</b> Spelling frame Rule 31 Word List Y3 /4	<b>Spelling Focus:</b> Spelling frame Rule 32 Word List Y3/4