

Year 5 Half Termly Overview- Spring 1

Happy New Year!

We hope that you have all had a lovely time with your families over the holidays. Welcome to the Spring Term. Hopefully this newsletter will provide you with an overview of the learning for this half term. Could I please ask that you encourage your child to read as much as possible at home and that you sign their reading record. We are having a big push on this and would appreciate your support.

Thank you for your continued support,

Mrs Green

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In Year 5...

Mrs Mackie will continue to teach the class all day Wednesday and also on Friday afternoons.

This half term we will have swimming on a **Monday afternoon and also a PE lesson on Friday morning**. Please ensure that your child brings the appropriate PE kit and swimming kit on these days.

Homework

Homework activities will be set each Friday and it is expected that the children complete these by the following Friday. Often, homework will be set on Active Learn to link with the learning that has been covered in class – please ask your child to request their log in details if they are unsure of these. Please encourage your child to complete any homework that is set as it will support their learning in class. As part of homework, we recommend reading every day.

Maths

This half term we will be working on the following:

Multiplying and dividing Within this unit, we will be exploring mental strategies for multiplication and division. We will also be looking at factors, square numbers, multiples and tests for divisibility. We will be looking at interpreting the remainder when dividing and choosing an appropriate strategy for division.

Fractions We will be looking at equivalent fractions and ordering and comparing fractions. We will also be looking at thousandths, tenths and hundredths.

Multiplication and area The children will continue to develop the methods that they use to multiply numbers up to four digits. We will be looking at solving problems and then calculating the area.

English

Our first unit for this half term is Science Fiction unit. We will be reading the novel Aquila by Andrew Norriss. Within this unit, there will also be a poetry unit embedded where we will look at reading and writing limericks. Within this unit, we will be exploring vocabulary, completing a range of reading based activities, learning part of a sci-fi story off-by-heart and finally writing a sci-fi story. In addition to reading Aquila, we will also be using clips from the film E.T.

Following this fiction unit, we will be completing a non-fiction unit where the key aim of the unit will be to write a non-chronological report about one of the planets in the solar system. We will be completing a range of reading response activities and rehearsing a text off-by-heart. We will also be skimming and scanning non-fiction texts in order to collect the necessary research in preparation for writing a non-chronological report about a planet.

The key grammar skills that we will be working on are:

Complex sentences that include relative clauses.

Blending action, dialogue and description.

Brackets for parenthesis.

Spelling

- Spell words with endings sounding like: creature, furniture, adventure
- Prefixes
- Homophones
- Apostrophes including possessive apostrophe
- Words with silent letters
- Common exception words

Art: drawing and painting developed into abstract textured paintings.

In our art unit, the children will be exploring abstract painting and will create their own abstract paintings for imaginary planet surfaces. We will investigate abstract painters such as Jackson Pollock, Kandinsky and Jean Miro. We will research and examine existing images of planet surfaces and experiment with using a range of media.

RE: Hindu dharma. What might Hindus learn from stories about Krishna?

Computing: Computing this half term will be based on Mars Rover. The children will be working on the following key skills:

- Learning that external devices can be programmed by a separate computer.
- Recognising how the size of RAM affects the processing of data.
- Learning the vocabulary associated with data: data and transmit.
- Recognising that computers transfer data in binary and understanding simple binary addition.
- Relating binary signals (Boolean) to the simple character-based language, ASCII.
- Learning that messages can be sent by binary code, reading binary up to eight characters and carrying out binary calculations.
- Understanding how data is collected in remote or dangerous places.
- Understanding how data might be used to tell us about a location.
- Learn about different forms of communication that have developed with the use of technology.

Geography : The United Kingdom

We will be looking at what is meant by the UK and GB and exploring the countries, regions and counties.

We will exploring unique physical and human features from each of the countries. As part of this, we will 'Fly' to the features via Google Earth.

We will be recapping the Y4 learning on the main rivers in the UK and the teaching will focus around mountains of the four countries, including the processes that give rise to these key physical geographical features.

As part of this unit, we will discuss/debate topical/controversial geographical issues in the news across the countries e.g. flooding.

PSHE: Living in the wider world

- Belonging to a community
- Media Literacy and Digital Resilience
- Money and work
- Religion and belief
- Race

PE: This half term we will go swimming every Monday afternoon and have a PE lesson on Friday morning. The PE lesson the first week back will be outside to complete a football unit and following this, we will be moving onto gymnastics.

Spanish: The children will also take part in a weekly Spanish lesson with Mrs Mackie.

Science: This half term Science will focus on Earth & Space. We will:

Describe the planets in the solar system.

Describe the Sun, Earth and Moon as approximately spherical bodies.

Describe the movement of the Earth and other planets relative to the Sun in the solar system.

Describe the movement of the Moon relative to the Earth.

Investigate the phases of the Moon.

Use the idea of the Earth's rotation to explain day and night and the apparent movement of the Sun across the sky.