

# Year 6 Half Termly Overview- Spring 2

## Maths

This half term we will be learning about ratio and proportion (identifying the ratio for a given set) and statistics (calculating the mean as an average and problem solving). In geometry we will be learning about the circumference, diameter and the radius of a circle, finding missing angles in different shapes and identifying nets that create 3-D shapes. As part of our measurement unit, we will be learning how to calculate the area of composite shapes and the formulae for the volume of cuboids. We will also be converting measurements of length, mass and volume. In algebra, we will be looking at expressing missing number problems algebraically and finding pairs of numbers that satisfy an equation with two unknowns.

## English

This half term, we will be learning about older literature with a focus on Shakespeare. Using the play *Romeo and Juliet*, we will be exploring the different characters and collecting and discussing the meanings of the vocabulary. We will be exploring particular scenes in depth and summarising key events. The effect on the reader of the author's choice of language and reasons why the author may have selected these words, phrases and techniques will be investigated. Within this unit, we will have many writing opportunities. These include recounts (as diary entries), narratives, persuasion, letters, witness statements and discussion texts. Our grammar learning will focus on continuing to practise the skill of blending action, dialogue and description within paragraphs and within sentences to convey character and advance the action as well as manipulating sentences to create particular effects.

## Theme

This half term, our theme title is, 'Super Sleuth' with the main subjects being geography and art.

In geography, we will be learning about deserts as a habitat, with a focus on the Mojave Desert. Some of the areas we will be focusing on includes: describing the characteristics of a hot desert biome, locating the largest deserts in each continent, describing ways the Mojave Desert is used, naming and describing the physical features found in a desert, identifying how humans use the desert, explaining how human activity may contribute to the changing climate and landscape of a desert and recognising that the Mojave Desert has a different time zone to the UK.

In Science, we will be learning about electricity. We will be constructing simple series circuits and drawing them using scientific symbols. We will conduct investigations to determine how the voltage in a circuit affects the brightness of a bulb. We will use our 'working scientifically' skills to plan an experiment to investigate variations in how components function and use the results to write a clear and concise conclusion. We will use the internet to research information about renewable and non-renewable energy sources and communicate this information in the form of a leaflet

In R.E. we will be learning about Christianity (Jesus). We will be exploring the question, 'Why do Christians believe Good Friday is 'good'? We will learn about the events of Holy Week and Easter Sunday and will focus on Christian beliefs about suffering and how these are responded to and commemorated through the events of Holy Week.

Our PSHE learning will continue to focus on the theme of living in the wider world. Throughout this, we will learn about belonging to a community (valuing diversity; challenging discrimination and stereotypes), media literacy and digital resilience (evaluating media sources; sharing things online) and money and work (influences and attitudes to money; money and financial risks).

Please see the additional information regarding our PSHE learning for this term, which outlines in more detail the objectives we will be covering.

In art, we will be exploring the theme of camouflage within the natural world. We will look at images and use these to develop drawings and paintings which experiment with camouflage. This unit will be focusing on the following skills:

- Collecting images in sketchbooks and create detailed drawings using different media
- Developing a drawing into a painting
- Considering how positioning of images and composition will be used to add to the theme
- Using a graphics package to create and manipulate new images.
- Being able to import an image into a graphics package

In Spanish, we will be learning how to say some nouns for family members and to write some personal information about a family member.

Our P.E. unit this half term is gymnastics and OAA.

In music, the unit is focused around one song: You've Got A Friend by Carole King. We will be listening and appraising, taking part in musical activities such as games and singing and performing and sharing

In computing, we will be focusing on the following skills:

- Identifying different types of AI and their applications in everyday life.
- Exploring text-based and image-based AI tools to understand how they generate content.
- Applying coding skills like decomposition and pattern recognition to interact with AI applications.

### Spelling Focus:

This half term, we will be focusing on the following spelling rules:

- Adding a suffix beginning with a vowel to words ending in -fer
- Words containing the letter string -ough
- Words with silent letters
- Statutory words

Mrs Carter's group will be focusing on the following rules:

- Adding suffixes beginning with vowel letters
- The /I/ sound spelt y
- Homophones
- Prefixes-un, -dis, -mis, -in, -il, -im, -ir

## Homework:

As mentioned in the letter sent via email, homework will continue to be allocated on a Friday and tasks will be set from the SATs revision books that the children have been provided with. In order for your child to receive raffle tickets for this, completed homework is due back the following Friday. Each week, spelling homework (linked to the rule taught that week) or grammar homework will be set and times tables are also set each week on TT Rockstars.

**Reading at home is still an expectation in year 6 (at least three times every week) and although we appreciate that most of the children now prefer to read independently, we do ask that the adults at home still sign their reading record book to show that they have been reading. This does not need to be their home/school reading book. If there are other books/reading material that your child prefers, then please encourage them to read these as well. Record books are checked in class on a Monday and this allows us to see who can then be placed on the Reading Hall of Fame.**

Thank you for your continued support,

Miss Spencer