

Year 5 Half Termly Overview- Spring 2

Welcome to Spring 2! Time seems to be flying and we have another busy half term ahead. As always, if you could encourage your child to read as much as possible at home and complete any home learning tasks that are set, that would be great. This newsletter will provide you with an overview of the learning that we aim to cover this half term. Please don't hesitate to catch us on the door in the morning or ring school if there is anything that we can help with.

Mrs Green

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 PE on a **Monday and Tuesday afternoon**. Please ensure that your child brings the appropriate PE kit on these days. **Please note that we will not be doing PE on Tuesday 4th March due to the Halle orchestra trip.**

Homework

Homework activities will be set each Friday and it is expected that the children complete these by the following Friday. 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.

School trips

We will be going to the Halle Orchestra on Tuesday 4th March. Please send back the relevant paperwork as soon as possible if you haven't already. We also have a school trip planned for after the Easter holidays – on the 24th April. Further information will follow and we would appreciate the prompt return of permission slips etc over the next few weeks. Many thanks in advance.

Maths

This half term we will be working on the following:

Multiplying two and three digit numbers using the grid method

Multiplying and dividing by 10, 100 and 1000 and converting units of measure.

Geometry: We will be looking at reflection, coordinates, translations and angles.

Fractions: We will be converting between improper fractions to mixed number fractions, finding equivalent fractions, adding fractions, subtracting fractions solving problems involving fractions.

English

We will be starting the half term by completing the sci-fi unit that we were working on before half term. The children will be writing their own sci-fi stories, applying the grammar skills that we have been working on in class. This includes: expanded noun phrases, complex sentences with an 'ed' opener and combining action and description.

We will then be completing a writing unit based on non-chronological reports. We will link this with our learning in Science. The aim will be to write a non-chronological report about one of the planets in the solar system. We will be exploring unfamiliar vocabulary, rehearsing a text off-by-heart and collecting the necessary research in preparation for writing.

The key grammar skills that we will be working on are: Complex sentences that include relative clauses and brackets for parenthesis.

Following this, we will be moving onto a fiction unit. This unit will be based on a book called Journey to the River Sea by Eva Ibbotson, a wonderful adventure story about a girl who goes to live in the Amazon Rainforest.

Spelling

Suffixes

Words with endings -tion, -sion, -ssion, -cian

Words with endings -ture and -sure

Art: We will be starting the half term by completing our Art unit from last half term based on Space.

DT: The unit will focus on designing a pop-up book which uses a mixture of structures and mechanisms. We will be working on the following:

- Naming each mechanism, input and output accurately.
- Storyboarding ideas for a book.
- Following a design brief to make a pop up book, neatly and with focus on accuracy.
- Making mechanisms and/or structures using sliders, pivots and folds to produce movement.
- Using layers and spacers to hide the workings of mechanical parts for an aesthetically pleasing result.
- Evaluating the work of others and receiving feedback on own work.
- Suggesting points for improvement.

RE: The RE unit this half term will be based on Christianity.

Computing: Computing this half term will be based on Micro:Bit. We will be working on the following:

- Clip blocks together and predict what will happen.
- Make connections with previous programming interfaces they've used, e.g. Scratch.
- Create their own images to make the animation and recognise the difference between 'on start' and 'forever'.
- Recognise blocks they've used previously, identifying inputs and outputs used and make predictions about how variables work.
- Choose appropriate blocks to complete the program and attempt the challenges independently.
- Break a program down into smaller steps, suggesting appropriate blocks and match the algorithm to the program

Geography: Our Geography unit will be based on the Amazon Rainforest. In this theme children will study the geography of the Amazon Basin which is the region of South America drained by the Amazon River and its tributaries. As most of the region is covered by tropical rainforest (biome) they will learn about this. Children will start to learn how the future of tropical rainforests and other ecosystems is closely connected to human lives and lifestyles.

PSHE: Living in the wider world. Below is a brief overview of the content that will be covered during the Spring Term. Please see the separate PSHE overview document for a more detailed overview of the objectives that will be covered.

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

PE: This half term our units will be gymnastics and tennis. PE will be on a Monday and Tuesday.

Spanish: We will be learning the names for parts of the face and understanding simple sentences.

Science:

We will be starting the half term by completing our unit on Space. Our next Science unit will then be based on forces.

We will be working on:

- Explaining that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object.
- Identifying the effects of air resistance and friction that act between moving surfaces.
- Recognising that some mechanisms, including lever, pulleys and gears, allow a smaller force to have a greater effect.
- We will be looking at the scientist Isaac Newton.