



Year 5 - Learning Journey

Spring 2 - 2020

Maths

We will be learning through the school's maths scheme.



Key learning this half term:

- Solve **multi-step context problems** which involve **addition** and **subtraction**.
- Understand which **operations/methods** to use and why.
- **Multiply numbers** of up to **four-digits** by a **one-digit** or a **two-digit number**.
- Apply **written method** to **multiply** up to **four-digit numbers** by **one** or **two-digit numbers**.
- **Solve problems** involving numbers up to **three decimal places**, **percentages** and **decimals equivalents**.
- Use **multiplication** and **division facts** to **solve calculations** including **brackets**.
- Explore the different **types of triangle**.
- Sort **data** with the use of **Venn** and **Carroll diagrams**.

English - Writing

We will learn how to use and improve new and existing writing skills.



Key learning half this term:

- Develop **descriptive vocabulary** within our writing.
- Develop our ability to thoroughly **check, edit** and **up-level** our own writing.
- Explore our ability to write in different **styles** including:
Fiction
 - **Stories from other cultures.**
 - **Poetry from other cultures.**
 - **Stories with a historical setting.**Non Fiction
 - **Persuasion.**
 - **Debating.**
 - **Formal letter writing.**



English - Reading

We will be learning through the Destination Reader programme.

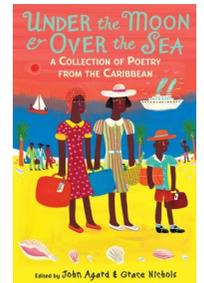


Key learning this half term:

- Making **inferences** and **justifying** predictions based on the class text.
- Making **connections** using **personal experience** and **knowledge** of other texts.

Focus Books this term:

'Under the Moon and Over the Sea'
 by John Agard and Grace Nichols



We will also be reading non fiction texts relevant to our Geography and History topics.

Geography

'Central America - Mayan Civilisation'

Key learning this half term:

- Locate the **countries** and **capital cities** of **Central America**.
- Describe the multiple **climate zones** in **Central America** and the **dry seasons** and **rainy seasons**.
- Learn how **world environments** have **changed** and understand how **humans** affect the **environment**.
- Learn about the significance of **ecotourism** and why it is important for the **natural environment**.
- Discover '**The Great Blue Hole**', off the coast of **Belize**.



History

'Mayan Civilisation'

What evidence do we have that the Mayans were an advanced civilisation?

Key learning this half term:

- Understand who the **Mayans** were, where they **lived** and how they have **influenced** us.
- Know why the **sun** was important to the **Mayans**.
- Learn how the **ancient Maya religious beliefs** were expressed in their **sciences** and **day-to-day living**.
- Learn about the **Mayan gods** and **goddesses**.
- Learn about the **contributions** of **Mayan civilisation** to **history, astronomy, math, and ancient culture**.
- Understand reasons for **Mayan Civilisation's disappearance**.



Science

'Animals including Humans'

Key learning this half term:

- Describe the differences in the **life cycles** of a **mammal**, an **amphibian**, an **insect** and a **bird**.
- Describe the **life process** of **reproduction** in some **plants** and **animals**.
- Describe the **changes** of a **human** from **birth** through to **old age**.
- Understand and use key **scientific words** such as: **life cycle, reproduce, fertilise, live young, metamorphosis, plantlets, runners, bulb, cuttings**.



Computing

'TinkerCAD'



Key learning this half term:

- Use 'TinkerCAD' to create **3D printable models**.
- Learn the skills required to import **2D images** and then create **3D versions** of them.
- **Designing, programming** and **simulate** different **components** to see how they will **respond** in **real life**.

Online Safety - Cyber Pass

We will be taught online safety in order to participate safely in the online community including when sourcing images for our projects.

Physical Education

'Tennis'

Key learning this half term:

- Develop **existing skills** to **increase agility, balance** and **co-ordination**.
- Apply **technical knowledge** to **enhance** and **perform** a **variety of shots** including, the **backhand drive, forehand drive** and '**volleying**'.
- Understand the **point system** and **rules of tennis**.
- Participate in **matches** and understand ways to **outwit** an **opponent** in a competitive **game**.
- Demonstrate good **sportsmanship** skills.

Onyx Class
PE Day - Wednesday

Quartz Class
PE Day - Friday

Please ensure that your child has a full PE kit in school each week for their PE lesson.

Design & Technology

'Building Bridges'

Key skills:

- Research **bridges** and their **structures**.
- Investigate which **materials** and **techniques** will **build** the best bridge.
- Apply our knowledge to successfully **design** and **build** a **bridge**.
- Conduct a **strength test** to **evaluate** the **success** of our **design choices**.



Mandarin

普通话



Key learning:

- Apply **language** relevant to the **body** and **feeling unwell**.
- **Ask** and **answer** questions about the **feeling unwell** or **pain**.
- Role play **doctors** and **patients** to **practise**.
- Speak in **sentences**.
- Read carefully and show an understanding of **words, phrases** and **simple writing**.

PSHE & RHE

'Healthy Me'



Key learning this half term:

- Discuss the importance of making **healthy choices**.
- Understand how **smoking** and **alcohol misuse** can **impact health** especially of the **heart, lungs** and **liver**.
- Understand how negative health choices can relate to **anti-social** behaviour.
- Learn basic **aid skills**, including the **recovery position** and how to get **help** in an **emergency situation**.
- Understand the **negative impact** caused by the **media's** of promotion of certain **body types**.
- Discuss the importance of **healthy eating habits** and how people can develop **eating disorders**.
- Understand the significance of **healthy lifestyle** and how it can have an impact on our **happiness**.

Religious Education

'Christianity'



Key Question:

Is Christianity still a strong religion 2000 years after Jesus was on Earth?

Key learning this half term:

- Develop an understanding of the **significance** and **meaning** of the **gospel** in **Christianity**.
- Discuss the **teachings of Easter** and how these **teachings** and their applications may have **changed over time**.
- **Compare** and **contrast** the **teachings of Easter** into **teachings** from **other religions**.



Home Learning

Your home learning project is due in school by: **Friday 27th March**

Use the following websites to practise your maths and spelling:

- www.trockstars.com
- www.login.mathletics.com
- www.uk.spellodrome.com
- www.spag.com

Complete one of the following projects:

- Research famous landmarks Central America - choose a landmark that you would most like to visit and create a 3D model of it.
- Create an artefact/collection which represents Ancient Mayan Civilisation. Research your choice to understand what its use was to the Mayan people.

Responsibility

Independence

Initiative

Generosity

Curiosity

Perseverance

Optimism

Social Intelligence

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