

Year 6 - Learning Journey

Spring 1 - 2020

Maths

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



Key learning this half term:

- Calculation of **percentages** of **whole numbers** or **measures**. For example **15% of 360**.
- **Equivalences** between **simple fractions, decimals** and **percentages**, in a variety of contexts.
- **Coordinates, rotation, reflection** and **translation**.
- **Data handling, pie charts, line and bar graphs, calendars** and **timetables**.
- **3D shapes, properties** and **nets of solid shapes**.
- Calculating the **area** and **perimeter** of **regular** and **compound shapes**.



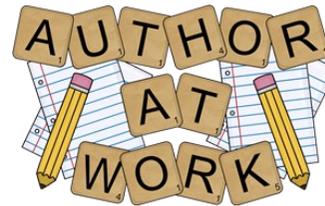
English - Writing

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



Key learning half this term:

- Successfully apply **technical vocabulary** within our written work.
- Continue to explore different styles of **write** in including **autobiographies, leaflets, diary entries, poetry,** and **stories** with **flashbacks** and **cliffhangers**.
- Continue to write **blogs** and **emails**.
- Continue to **check, edit** and **up-level** our own 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**.
- **Evaluate** the class text thinking about the **author's techniques**, use of **features, language** and **spelling, punctuation** and **grammar**.

Focus Books this term:

'The Lady of Shalott'

by Alfred Lord Tennyson.

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



Geography

'Europe - Russia'



Key learning this half term:

- Use a **world map** to locate **Russia**, its **capital** and **major cities**.
- Use an **eight point compass** to identify and name Russia's neighbouring countries.
- Identify the **physical features** of **Russia** including **mountains, rivers, climate** and **biomes**.
- Describe the **human geography**, including: **types of settlement** and **land use**.
- Discuss the **economic** activity including **trade links**, and the distribution of **natural resources** - **minerals** and **energy (Nuclear power)**.
- Compare and contrast a **region** of the **United Kingdom** and a region in **Russia**.

History

'To Infinity and Beyond - The History of Space Travel'



Will colonizing Mars or the Moon help save humanity?

Key learning this half term:

- Explore the history of **space travel**.
- Identify the beginning of the **'Space Age'**.
- learn about the **space race** between **Russia** and **America**.
- Understand the importance of the **Space Shuttle Challenger, Shuttle Columbia, The Hubble telescope** and **The International Space Station**.
- Learn about **astronauts** and the **first humans and animals** to enter space and to **land on the moon**.
- Learn all about the work of **NASA, the European Space Agency** and **Boeing**.

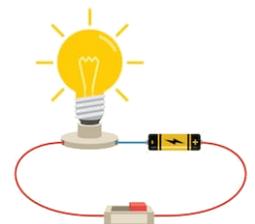
Science

'Electricity'



Key learning this half term:

- Use **symbols** to illustrate simple **circuits**.
- Create simple **functioning circuits** using basic **electrical components**.
- **Problem solve** in order to **repair circuits** which are not working.
- Apply knowledge of **circuits** to investigate what affects **brightness** or **volume** of a **component**.
- Understand and apply knowledge of how to use **electricity safety** and **responsibly**.



Computing

'Research and Presentation'



Key learning this half term:

- Learn about the importance of **research** using a **variety of sources**.
- Develop the necessary **skills** to **transfer findings** into a **presentation**.
- **Enhance skills** necessary to successfully use **Power Point software**.

Online Safety - Cyberpass

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



Physical Education

Ammolite Class - 'Volleyball'

Azore Class - 'Gymnastics With Apparatus'

Ammolite Key Learning:

- Demonstrate dig, spike and block shot.
- Enhance understanding of rules and formations.
- Demonstrate good team work and positive attitude in a match against peers.

PE Day - Wednesday

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

Azore Key Learning:

- Climb wall bars and ropes efficiently.
- Display advanced jumping techniques.
- Attempt vault and straddle vault.
- Perform advanced floor and apparatus skills to individual and group sequences.

PE Day - Friday

Art

'Other Cultures'



Key skills:

- Explore how **animals** and **humans** are **represented** throughout **art history**.
- Create artwork **using clay** and **assemblage**
- **Research** and take **inspiration** from **cave paintings, Aztec art, Giacometti, Louise Bourgeois**.

Mandarin

普通话



Key learning:

- Speak in **sentences** using **familiar vocabulary, phrases** and **basic structures**.
- Learn about **traditional items** to **buy** for **Chinese New year**.
- Apply knowledge of **money** and **shopping**.
- Including knowledge of **cost** and **quantities**.
- Make **Zodiac** artwork.

PSHCE & RHE

'Dreams and Goals'



Key learning this half term:

- Know our **personal learning strengths** and set **challenging** but **realistic** and **achievable goals**.
- Understand the **learning steps** required to help us **reach our goals** and set our own **success criteria**.
- Identify **world problems** and recognise the **emotions** that **feel in response** to these issues.
- **Empathise** with others who are **suffering** and apply ourselves **positivity** to help make a **difference**.
- Identify what **motivates** us to **contribute** towards making the **world a better place**.
- Recognise **achievements, accept** and **give praise** and **complements** to one another.

Religious Education

'Christianity'



Key Question:

Is anything ever eternal?

Key learning this half term:

- Discuss relevance of **eternal life** in relation to a variety of **religions**.
- **Evaluate** the different **beliefs** and **understandings** of **eternity**.
- Compare **similarities** and **difference** of a variety of **religions** to the **perspective of Christians**.



Home Learning

Your home learning project is due in school by: Friday 31st January

Use the following websites to practice your maths and spelling:

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

Complete one of the following projects:

- Create a 3D model which shows either a human or physical feature of Russia.
- Create a 3D model which shows your understanding of the study of space. As examples this could include an astronaut suit, a shuttle, a telescope, the moon...

Responsibility

Independence

Initiative

Generosity

Curiosity

Perseverance

Optimism

Social Intelligence

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