



YEAR 5 - SPRING TERM 2022

**Teachers - Mr Blasizza and Mrs Munro-Morris, Mr Davies-Lyons.
PPA staff- Mrs Chinneck and Mrs Barlow**

Welcome back to school and welcome to Year 5. Our topic for the Spring term is Back to the Future. The children have already given us ideas about what they would like to learn and we have incorporated them into the curriculum plan below. It will greatly help your child's progress if you help them to practise their times tables, encourage them to do their daily Home Reading and engage with their weekly homework tasks.

LANGUAGE, LITERACY AND COMMUNICATION

Oracy - Presentation on a famous inventor of their choice. Participate in a debate on the topic 'Should we eat meat?' Discussion of hot topics related to climate change and maintaining a sustainable world.

Reading - Whole class Guided Reading sessions based on the book 'The Nowhere Emporium' by Ross MacKenzie. Nonfiction text 'Cool Engineering' by Jenny Jacoby and Jem Venn.

Short stories from the 'Medical Futurist'

Various texts set on Giglets.

'The Lost Thing' by Shaun Tan.

Writing - Fictional writing based on our class book 'The Nowhere Emporium'. Writing a balanced argument - Have all inventions had a positive effect on our world. A biography of a famous inventor of their choice. Poetry writing about maintaining a sustainable world.

Instructional writing - Recipe for a vegetarian meal.

Newspaper report - Global warming weather disaster.

Revision of cursive handwriting scheme. Eisteddfod handwriting competition.

Spelling and Grammar - Revision of punctuating speech.

Using colons, semicolons and commas. Revisiting spelling patterns of ay, a-e, ai, au and aw words. Practising the second 100 high frequency words. Differentiated spelling lists.

Welsh - *Revise and drill previous language patterns. Play games to consolidate all language patterns. Reading and writing activities to consolidate independent language and reading skills. Sentence patterns - Dw i'n hoffi...achos mae'n.... Dw i ddim yn hoffi...achos mae'n.... Wyt ti'n hoffi darllen Harry Potter? Ydw, dw i'n hoffi darllen Harry Potter. Nag ydw, dw i ddim yn hoffi darllen Harry Potter. Dw i'n gallu reidio beic achos mae'n gyffrous. Dw i ddim yn gallu sglefrolio achos mae'n anodd. Wyt ti'n gallu sglefrolio? Ydw, dw i'n gallu sglefrolio. Nag ydw, dw i ddim yn gallu sglefrolio.*

International Languages

Fortnightly Mandarin lessons - Basic greetings, numbers, colours.

MATHEMATICS AND NUMERACY

Number and place value: Developing a robust understanding of place value in larger whole numbers and in decimals; round numbers to the nearest required power of ten.

Addition and subtraction: Rehearsal and development of mental calculation strategies for addition and subtraction. Column addition of decimal numbers, and mental subtraction of decimal numbers. Column addition and subtraction used to solve problems.

Multiplication and Division: Development of mental calculation strategies for multiplication and division, and on identifying patterns and rules. Development of written methods for multiplication and division; division is linked to finding fractions of large amounts.

Measure, Shape and Angles: Exploring the properties of triangles, naming and identifying the different types; and then on SI units of measure, reading scales and conversion problems. Developing understanding of polygons and angles, particularly in relation to quadrilaterals; metric units are then revised and regularly used imperial units are taught.

Data: Reading and interpreting information on tables about the ocean. Constructing tally charts and bar graphs.

Fractions: Revising proper fractions and equivalent fractions, and then moving on to mixed numbers and improper fractions; proper fractions are multiplied by whole numbers.

Times Tables: Differentiated. Learn related division facts.

Topic Maths

Problem solving and reasoning skills: Applying number skills in everyday situations, including problems with money.

Food Miles - What's the cost of what we eat?

Vegetarian Meals - Weighing ingredients, budget spending.

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<p>Fortnightly Italian lessons - Greetings and everyday phrases. Colours, numbers, food, days and months.</p>	<p>Inventions/designing vehicles - Measure/Coding/Designing a city on Minecraft.</p>
<p>SCIENCE AND TECHNOLOGY</p> <p>Science The history of electricity Making an electrical circuit To measure the currency of electricity in amps To investigate how the length of pencils in a circuit affects the currency of electricity. Forces - drag, weight, gravity and thrust when designing and making rockets. To create a table and record results. To create a line graph using the acronym SPATULA. To write an effective conclusion and evaluation of a science investigation. Explore magnetic fields and uses for them.</p> <p>Design Technology Exploring Dysons engineering tool kit. Enter the Logo Lift off Competition by designing a logo or the first rocket launch from UK spaceports. Visit from the Royal Navy - Building rockets. Create a snow globe with an electrical circuit. Research vegetarian meals to help the sustainability of our planet. Cook their own vegetarian meal. Explore the use of pulleys, gears and levers. Create windmills</p> <p>ICT My digital world and programming elements from the ICT scheme of work. Minecraft Education - build a futuristic city. Use Google Classroom for work in the classroom and some homework tasks. Using ICT programmes for independent study - Lexia, Read Theory, Gidgets and various applications on hwb. Prepare a presentation for the Logo Lift Off Competition using a media of their choice. Independent Learning - Research an inventor and present information using a media of their choice.</p>	<p>HEALTH AND WELL-BEING</p> <p>New Year Goals and resolutions. Recapping our learning assets - Resilience, Resourceful, Reflective, curiosity and working as a team. The 10 keys to Happier Living - Giving, Relating, Exercising, Awareness, Trying out, Direction, Resilience, Emotions, Acceptance and Meaning.</p> <p>Jigsaw</p> <ul style="list-style-type: none"> • Dreams and goals • Healthy Me <p>Games</p> <p>Hockey</p> <ul style="list-style-type: none"> • Travel and direction • Stick skills - passing and receiving • Reverse Stick • Safety and rules • Attacking and Defending • Space awareness and Timing • Decision Making <p>Football</p> <ul style="list-style-type: none"> • Passing and stopping the ball with both feet • Shooting techniques • Dribbling in different directions • Keeping possession • Attacking and defending • Playing the ball into space • Positions on pitch and roles <p>Real PE</p> <p>Health and Fitness</p> <ul style="list-style-type: none"> • Monitor how hard they are working. • Explain how often and how long they should exercise to be healthy. • Describe the basic fitness components. <p>Social Skills</p> <ul style="list-style-type: none"> • Help organise roles and responsibilities and guide a small group through a task. • Cooperate well with others and give helpful feedback.
<p>HUMANITIES</p> <p>Pupils will focus on these key inquiry questions:</p> <ul style="list-style-type: none"> • Who are the famous inventors that changed our world? • Have all inventions had a positive impact on our world? • How do we make Wales a sustainable country? 	<p>EXPRESSIVE ARTS</p> <ul style="list-style-type: none"> • Design a vehicle that can travel through time. • Create a landscape on transport sustainability using inspiration from Vincent van Gogh's 'Landscape with'

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- What is reusable energy? Are we using enough?
- Can new inventions prevent global warming from worsening?
- What will future travel look like (including space travel)?
- Have we the geographical infrastructure to clean up our planet?

Looking at the history of transport.

Time travel to a historical period in time - Independent project.

Research inventions of Leonardo da Vinci - Compare these with comparable modern day equivalents.

RE - The celebration of Easter.

Creation v Big Bang theory.

Carriage and Train' and 'Bridges Across the Seine at Asnieres'.

- Use Leonardo da Vinci's early invention ideas to create a model of their own.
- Explore inventions in Music and how these have changed music over time.
- Create a piece of Modern music using instruments or technology.
- Complete a variety of tasks for the Eisteddfod Competitions.

OTHER INFORMATION PE Days : Tuesday & Thursday.

Homework will be set every Friday, to be completed by the following Friday.

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