

Year 5
Curriculum Overview - 2024/25
Summer - Landforms

Maths

21st April - Decimals including money

- Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000
- Divide one- or two-digit numbers by 1000, identifying the value of the digits in the answer as ones, tenths, hundredths and thousandths
- Add and subtract decimals including those with a different number of decimal places
- Solve problems involving addition and subtraction involving numbers up to three decimal places
- Solve measurement problems using all four operations and decimal notation, including scaling and conversions
- Develop fluency in using money expressed in £, converting to p when necessary
- Solve problems involving money, using the four operations
- Add and subtract whole numbers with more than 4 digits, including using formal written methods
- Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy
- Solve addition and subtraction multi-step problems in familiar contexts, deciding which operations and methods to use and why
- Solve problems involving addition, subtraction, multiplication and division, and a combination of these
- Develop their understanding of the meaning of the equals sign

20th May- Measurements

- Convert between different units of metric measure
- Understand and use approximate equivalences between metric units and common imperial units
- Continue to estimate and compare different measurements
- Express missing measure questions algebraically

2nd June - Time

- Continue to develop understanding of how analogue and digital clocks tell the time
- Continue to practise converting between units of time
- Continue to become fluent in telling the time
- Solve problems involving converting between units of time

16th June - Statistics - timetables

- Interpret more complex tables, including timetables
- Complete tables, including timetables
- Solve problems using information in tables, including timetables

23rd June Geometry - Properties of 3D shapes and Review Week

- Identify 3-D shapes, including cubes and other cuboids, from 2-D representations

- Continue to make and classify 3-D shapes, including identifying all of the 2-D shapes that form their surface

Literacy

Treasure Island - character development through description and dialogue

Performance Poetry - based on Isle of Wight residential experiences

Coastal Erosion - explanation of the processes involved in coastal erosion

Escape from Pompeii - first person narrative account

Endangered Animals - an information text on an endangered species and how we can protect them.

Computing

Digital Citizenship

Using We are Internet Legends to

- Use technology safely, respectfully and responsibly
- Enhance knowledge of Digital Safety and the use of social media.

Google Skills

- Using Google Forms and Google Sheets
- Understanding Cloud Computing

Google Sites

- Creating a website

Science

Gears, Levers and Pulleys

- How these simple machines can increase the force exerted for a given effort.

Forces

- Water Resistance
- Air Resistance
- Friction

Plants

- Key parts of flowering parts (Kew Gardens workshop)
- Life cycle of flowering plants (Kew Gardens workshop)
- Asexual reproduction of plants (growing potatoes)

Living Things and their Habitats

- Factors involved in loss of biodiversity
- Understand the work of naturalists

Geography

Land Formations

- The structure of the Earth and tectonic plates
- Mountain formation, key mountain ranges and peaks
- Land formation from water and ice erosion e.g. Grand Canyon, fjords, U-shaped valleys
- Land formation from coastal erosion
- Volcano formation and significance of the Pacific Rim
- Highlands and peaks of UK
- OS maps - 6 figure grid references and contour lines
- Comparison of the physical and human geographical features of the Swiss Alps and the Himalayas in Nepal

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| <p style="text-align: center;"><u>Games</u></p> <p><u>Track Events</u></p> <ul style="list-style-type: none"> • Develop technique and experience of sprinting, hurdles, middle distance running and relay races, including baton exchange. <p><u>Tennis</u></p> <ul style="list-style-type: none"> • Develop techniques including racket grip, forehand and backhand shots using control. • To develop an understanding of rules and game situations and apply basic skills during a game. <p><u>Cricket</u></p> <ul style="list-style-type: none"> • Develop techniques of fielding including throwing, catching and basic bowling. • To practise the correct technique for striking the ball with the bat. • To apply the skills learnt to game situations <p style="text-align: center;"><u>PE</u></p> <p><u>Indoor Athletics</u></p> <ul style="list-style-type: none"> • Develop techniques and ability in running for speed and distance; jumping for distance and height; different types of throws; jumping obstacles while running • To apply skills learned during competitive events | <p style="text-align: center;"><u>Art/DT</u></p> <p><u>Design Technology - Bridges</u></p> <ul style="list-style-type: none"> • To know the key vocabulary of a bridge. • To know the design structure of the following bridges: beam, arch, truss and suspension • To create a moodboard of famous or/ and unusual bridges from around the world. • To know the forces that affect bridges • To test a variety of bridge design structures for strength <p><u>Art - Georgia O'Keefe</u></p> <ul style="list-style-type: none"> • To record and collect visual information using digital cameras • To develop close observation skills using viewfinders • To plan a sculpture through drawing and other preparatory work • To improve mastery of art and design techniques, including drawing, painting and sculpture with a range of materials • To mix and match colours to create atmosphere and light effects | <p style="text-align: center;"><u>PSHE</u></p> <p><u>Health and Wellbeing</u></p> <ul style="list-style-type: none"> • Sleep and sun safety • Managing worries • Diseases, medicines and vaccinations • Hygiene and preventing the spread of disease <p><u>Growing and Changing</u></p> <ul style="list-style-type: none"> • Personal identity • Ways to boost mental wellbeing <p><u>Keeping Safe</u></p> <ul style="list-style-type: none"> • Risk, safety and responding to emergencies <p style="text-align: center;"><u>RE</u></p> <p><u>How and why the world began</u></p> <ul style="list-style-type: none"> • To understand there is a wide range of beliefs about how and why the world began • To identify the similarities and differences in these beliefs • To understand how these beliefs can shape people's worldviews and actions <p><u>How the Church began</u></p> <ul style="list-style-type: none"> • To understand the importance of the Church in Christianity • To learn about some of the important religious events that take place in Church • How churches can be different and how they are used to spread the word of Jesus |
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Music

Throughout the year the children will be part of a termly rotation that will include:

- Trumpet tuition with Surrey Arts
- Learning how to play the Glockenspiels

French

- Going on holiday
- Activities on holiday
- Immediate future tense
- Opinions of holidays
- Rooms in the house
- Descriptions of rooms
- Activities at home