Year 5 Learning Overview – Autumn Term 2025-26

Science	History	Art	Music	French	PSHCE
Forces and Mechanisms Children will learn to explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object. Identify the effects of air resistance, water resistance and friction that act between moving surfaces and recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect. **Properties and uses of materials** Children compare and group together everyday materials based on their properties, including their hardness, [solubility,] transparency, conductivity (electrical and thermal), and response to magnets. They give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic.	**Ancient Egypt** Children will be able to explain the main achievements of the ancient Egyptians and be able to talk about some of the pharaohs that ruled and how we know about the civilization from major archaeological discoveries. Throughout the unit, they will discover the answers to many questions some of which include: When did the Ancient Egyptians live? Where did the Ancient Egyptians live? Why was the river Nile significant to the Ancient Egyptians? Why did the ancient Egyptians stop building pyramids? What do the Egyptians believe about life after death?	**Egyptian Art Designing and making clay Canopic jars** Children will have made a Canopic jar out of clay inspired by research into Egyptian Canopic jars, ancient Egyptian art and hieroglyphics. They use their sketchbooks to draw the outline of gods and goddesses depicted in Egyptian art before adding intricate detail. They sketch symbols used in Egyptian wall paintings and on papyrus including hieroglyphics.	**Why we sing** This listening unit is based around the Gospel song *Why we sing* by Kirk Franklin. Activity in the unit will explore other examples of Gospel music and gives opportunities for developing singing in a Gospel style. **Glockenspiels** The children develop their understanding of pitch and rhythm by playing a range of songs, including rounds, on the glockenspiels.	**Phonetics lesson 3** **What is the date?** Children will learn how to remember, recall and spell the seven days of the week, the twelve months of the year and the numbers 1-31 in order, and use this knowledge to say the date and when their birthday is. **The Weather** In this unit, the children will learn how to repeat and recognise the vocabulary for weather in French, ask what the weather is like today, say what the weather is like today and create a French weather map. They describe the weather in different regions of France using a weather map with symbols.	-Junk Food -Nutritional values -The Human body -Caffeine- Helpful or Harmful? -Power of words -Social media- Being confident

Computing	Geography	DT		PE	RE
Computing Systems and networks: Sharing Information Children develop their understanding of computer systems and how information is transferred between systems and devices. They consider small scale as well as large-scale systems. **Creating Media**: Vector Drawings. Children start to create vector drawings. They learn how to use different drawing tools to help them create images.	**Mountains** Children locate continents and countries of major mountain ranges around the world on atlases and Google Earth. They locate counties of major mountain peaks in the UK using maps and look at the difference between a hill and a mountain. **Rivers** Children will study how rivers are formed and their key geographical and geological features. E.g. valleys V-shaped valleys, canyons, gorges.	**Mechanisms** **Cam Toys** Children will have made a moving toy with 1 or more moving parts using a cam, or series of cam, mechanisms. The product works smoothly and appeals to the target market. They use their knowledge of mechanisms from the Forces unit in Science to make a moving cam mechanism that turns rotary motion into linear motion.		Dance- Rock & Roll Basket Ball Yoga Outdoor and Adventurous Activities (OAA)	**Christianity:** **Prayer and Pilgrimage** What shapes a person's world views? How and why do Christians show commitment to God? How and why do Christians pray? What might it mean to be Jewish in different branches of Judaism? (prayer focus)

Maths:	
Number and place value Written addition and subtraction Problem solving, reasoning and algebra	Read, write, compare and order 5-digit numbers, understanding the place value and using < and >signs; add and subtract multiples of 10, 100 and 1000 to and from 5-digit numbers; use written addition to add two 4-digit numbers; work systematically to spot patterns
Mental addition and subtraction Number and place value	Add and subtract 2- 3- and 4-digit numbers mentally; choose a strategy for solving mental additions or subtractions; solve word problems
Decimals, percentages and their equivalence to fractions Problem solving, reasoning and algebra Mental multiplication and division	Understand place value in decimal numbers; multiply and divide numbers with up to two decimal places by 10 and 100; multiply and divide by 0 and 100; add and subtract 0·1 and 0·01; multiply and divide by 4 by doubling or halving twice; use mental multiplication strategies to multiply by 20, 25 and 9
Measurement	Revise converting 12-hour clock times to 24-hour clock times; find a time a given number of minutes or hours and minutes later; calculate time intervals using 24-hour clock format; measure lengths in mm and convert to cm; find perimeters in cm and convert cm to m
Written addition and subtraction Mental addition and subtraction	Solve subtraction using a written method for 3-digit − 3-digit numbers and for 4-digit numbers; use counting up (Frog) as a strategy to perform mental subtraction; find change from a multiple of ten pounds using counting up
Mental multiplication and division Fractions, ratio and proportion	Recognise which numbers are divisible by 2, 3, 4, 5, 6, 9 and 25 and identify multiples; find factors; recording results systematically and finding all factors of a given number; compare and place fractions on a line; find equivalent fractions and reduce them to their simplest form
Mental multiplication and division Written multiplication and division Problem solving, reasoning and algebra	Use mental strategies to multiply and divide multiples of 10 and 100; use a written method to multiply 3-digit and 4-digit numbers by 1-digit numbers and estimate answers, divide 3-digit numbers by 1-digit numbers using a written method and express remainders as a fraction and solve division word problems
Geometry: properties of shapes Problem solving, reasoning and algebra	Use a protractor to measure and draw angles in degrees; recognise, use terms and classify angles as obtuse, acute and reflex; recognise that angles on a line total 180° and angles round a point total 360°; identify and name parts of a circle including diameter, radius and circumference; draw circles to a given radius using a pair of compasses; relate angles to turns, and recognise that a 360° angle is a complete turn; use angle facts to solve problems related to turn
Number and place value Decimals, percentages and their equivalence to fractions Fractions, ratio and proportion	Place numbers to 100 000 and decimals up to two places on a line, round numbers to the nearest 10, 100 and 1000 and decimals up to two places to the nearest whole number; compare and order numbers with up to two decimal places; reduce fractions to their simplest form; know and recognise equivalent fractions and decimals to half, tenths and fifths
Mental addition and subtraction Written addition and subtraction Mental multiplication and division Written multiplication and division Problem solving, reasoning and algebra	Revise mental and written addition and subtraction strategies, choose to use a mental strategy or written method to solve addition and subtraction, choose to solve word problems involving multiplication and division questions including 2- and 3-digit by 1-digit and 2-digit by 2-digit using a mental or a written method, use mathematical reasoning to work out a function, identify the operation being used on numbers, understand that addition and subtraction are inverse operations multiplication and division, use function machines

English:

Secrets of a Sun King by Emma Carroll

Children complete an in-depth study of Carroll's novel, which links to our Ancient Egyptian history unit. The text is used to learn and consolidate key comprehension skills and inform different styles of writing including: letter writing, recounts, reviews and newspaper reports.

The Call by Charlotte Mew (poem) -The Boy at the Back of the Class by Onjali Rauf

To develop key skills in story writing, focussing on using setting and character description to create mood.

The vision for our school:

Inspiring and enabling our school community to live life to the full,
promoting excellence and nurturing
Respect, Honesty, Compassion, Resilience, Collaboration.

John 10 v 10:
Jesus said: "I have come that they might have life, and have it to the full"

Additional Information:

P.E days- Tuesday and Friday

Homework

Read daily at home. Reading records need to be **signed once a week** and handed in every Monday. Children are asked to complete 3 comments each week.

Spellings – Weekly spellings homework task will be sent home on Friday for you to practice at home. Please could this be returned by Wednesday of the following week.

Times Tables - As well as practicing Times tables in school, you should also be practicing them at home regularly. This can be done on Hit the button, writing them out and reciting them orally.

In the Autumn term, we have an ancient Egyptian day when children are invited to dress up (details to follow).