Willow Class Half Term Learning grid
Summer 2: Sustainability

Writing Year 4 and Year 5

Blue planet explanation sequence to images	TEXT The Hidden Forest Setting descriptions and viewpoint narrative	TEXT The Hidden Forest: Magazine Articles
-Choose nouns or pronouns appropriately for clarity and cohesion and to avoid repetition -Use an increasing range of sentence length and structure -Use fronted adverbials followed by a comma -Make deliberate choices of sentence length and structure for impact on the reader -Use semi colons, colons or dashes to mark boundaries between independent clauses -Use expanded noun phrases to convey complicated information concisely	-Choose nouns or pronouns appropriately for clarity and cohesion and to avoid repetition -Use an increasing range of sentence length and structure -Use figurative language such as similes, alliteration to build a picture in the readers head -Use expanded noun phrases to convey complicated information concisely -Use fronted prepositional phrases for greater effect	-Choose nouns or pronouns appropriately for clarity and cohesion and to avoid repetition -Use an increasing range of sentence length and structure -Produce internally coherent paragraphs in logical sequence e.g. using topic sentences with main ideas supported by subsequent sentences - Description or detail in non-narrative is expanded through an appropriate and precise range of vocabulary -Viewpoint is consistently maintained (for example, word choice indicates child's viewpoint) - Use a wide range of devices to build cohesion within paragraphs - Linking ideas across paragraphs using adverbials of time (later), place (nearby) number (secondly) -Linking ideas across paragraphs through tense choice (this has happened before) -Produce internally coherent paragraphs in logical sequence e.g. posing rhetorical questions which are answered in the main paragraph with main ideas elaborated by subsequent sentences -Choose the appropriate register for the audience and purpose (formal or informal)

Mathematics Year 4 and Year 5

Measurement/time	Number facts, Methods and place Value	Fractions Decimals and Percentages
-Estimate, compare and calculate different measures, including money in pounds and pence -Read, write and convert time between analogue and digital 12 and 24-hour clocks -Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days. -Estimate, compare and calculate different measures, including money in pounds and pence (repeat from Phase 1, 2 deeper level) -Use all four operations to solve problems involving measure (e.g. length, mass, volume, money) using decimal notation including scaling. •Understand and use equivalences between metric units and common imperial units such as inches, pounds and pints •Estimate volume (e.g. using 1 cm3 blocks to build cubes and cuboids) and capacity (e.g. using water) •Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres • Calculate and compare the area of rectangle (including squares) and including using standard units, square centimetres (cm2) and square metres (m2) and estimate the area of irregular shapes • Solve problems involving converting between units of time	- Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value. -Count backwards through zero to include negative numbers -Round any number to the nearest 10, 100 or 1000 -Multiplication and division facts for multiplication tables up to 12 × 12 and Multiplying together three numbers -Recognise and use factor pairs and -Commutativity in mental calculations -Multiply two-digit and three-digit numbers by a one-digit number using formal written layout -Using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects. -Count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000 -Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers through zero. -Read Roman numerals to 1000 (M) and recognise years written in Roman numerals. -Establish whether a number up to 100 is prime and recall prime numbers up to 19 -Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers -Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context -Recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3)	- Solve problems involving to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number - Recognise and show, using diagrams, families of common equivalent fractions -Recognise that hundredths arise when dividing an object by a hundred and dividing tenths by ten. -Solve problems involving number up to three decimal places - Solve problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 or those with a denominator of a multiple 10 or 25. - Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths - Read and write decimal numbers as fractions (e.g. 0.71 = 71/100) - Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents -Recognise the per cent symbol (%) and understand that per cent relates to "number of parts per hundred", and write percentages as a fraction and as a decimal fraction.

Willow Class Wider Subject areas

Science Sound	Computing Coding and Digital Design	PE Fundamentals of Movement	DT Healthy Eating (Make and Evaluate)	Geography Wonders: Natural Resources	RE Kingdom of God/What kind of a king is Jesus?	PSHE Relationships Education
Children know the words pitch, vibrations and volume. Children know how some sounds are made, linking this to vibrations, e.g. a drum with rice in it. Children know that sounds travel through a medium to the ear. Children know that the pitch of the sound is determined by the different features of an object. Children know that the volume of sound is linked to the vibrations it produces. Children know that as you go further away from a sound it gets fainter.	Follow simple instructions to create shapes Write 2Logo Find efficient ways to program shapes Use procedures to create shapes in 2Logo	Athletics Dance - Production	Children know how to form a design criteria for a healthy snack in line with the items nutritive value and seasonality. Children know how to use their senses to evaluate different components to their snack and adapt their design accordingly. Children know how to evaluate their product against their design brief and conclude what they could do to improve their product.	Use maps to locate countries and describe features studied Use the eight points of a compass to build our knowledge of the wider world explore the distribution of natural resources (water) I can identify global issues with regards too much/too little rainfall and make links with the water cycle Explore the distribution of resources (energy) I can understand types of energy I can explore natural resources on our school site (another opportunity for fieldwork)	Children know some different interpretations of between the biblical text and the kingdom of God. Children know some connection between belief in the Kingdom of God and how Christians put their beliefs into practice in different ways. Children know examples of how Christian teachings can relate to their own issues, problems and opportunities in their lives.	I can identify key parts of the human reproductive system I can identify appropriate boundaries in relationships I can describe different types of positive relationships I can explain the key facts about the menstrual cycle. I can describe the physical and emotional changes during puberty I can explain the key facts about the menstrual cycle.

The Big events this term are: Trip to Winchester Science Centre – Sound Workshop
Key stage 2 Show- Bugsy Malone
The Core values and learning keys we will be focusing on are: evaluate, explore, teamwork

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