

Wolves – Yearly overview 2018 / 2019

<h2 style="writing-mode: vertical-rl; transform: rotate(180deg);">Autumn 1</h2>	<h2 style="writing-mode: vertical-rl; transform: rotate(180deg);">World War II</h2>	<p><u>English</u> Narrative- friend or foe Whilst studying <i>Friend or Foe</i>, the children explore the feelings of the main characters and infer what they may be thinking and feeling during their evacuation from London. Children find evidence and detail in the text to justify their views. They consider and explore what the theme ‘friend or foe’ really means, using evidence in the text to justify their answers. They compare this text with other, similar texts in the genre and explore standard and non-standard English by looking at different conversations between the characters. They go on to explore figurative language while looking at the author’s vocabulary choices. For the main composition task, they write a new scene for the novel, paying attention to the features of dialogue, and prepare a presentation about the author for sharing with another primary school or class.</p> <p>Speaking and listening- Live unit- ultimate rap link to WW2 The children are introduced to the main idea of the unit: that they will write and perform their own raps. As a class, they listen to some raps and poems and learn about the differences between rap and poetry. They focus on the features of rap performance and look at some of the poetic language rappers can use to give power to their raps, as well as looking at how raps are constructed. After some teacher modelling, they look at ideas for topics for raps, before developing and writing their own.</p>	
		<p><u>Maths</u> 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.</p> <p>Add and subtract 2- 3- and 4-digit numbers mentally; choose a strategy for solving mental additions or subtractions; solve word problems.</p> <p>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.</p>	

Science

Materials

In this unit, children will compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets.

Recognise that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution.

History

World War II

In this unit, children will learn when and why World War II began and find out about the key individuals and countries involved. In addition to this, they will discover all about evacuation; learn what it was like to live with food rationing and explore the contribution made by women to the war effort. Furthermore, they will learn important facts about the Holocaust and investigate events that were key turning points in the war, such as the Battle of Britain and the German invasion of Russia

Computing

Internet safety

In this unit, children learn about preventing and dealing with cyberbullying; how to use search engines efficiently; how to avoid plagiarism online; and how to be a good digital citizen.

D.T

Structures

This unit gives children opportunities to develop their understanding of more complex free standing structures and how they can be strengthened and reinforced. Children will gain knowledge and understanding about how to join and shape materials.

Physical Education

Invasion Games

English

Non-fiction- animals on the move

In this unit, the children explore the Big Question: Which animal makes the toughest migration? They read the interactive eBook, using the skills of skimming and scanning to find answers to questions and using the organisational features of the eBook to find information. They revise and develop using relative clauses to present information clearly. In their writing task, children plan and write a chronological report about a specific animal migration.

Poetry

The children enjoy and discuss all the poems in the unit, giving their own reasons for preferences. They draft whole-class poems, evaluating and editing as they go. Further composition work includes drafting and writing a nonsense-writing poem and a free-verse poem. They also prepare poems to read aloud.

Maths

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.

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.

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.

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.

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.

Science

Living things and habitats

This 'Living Things and Their Habitats' unit will teach children about the process of reproduction and the life cycles of plants, mammals, amphibians, insects and birds. The children will explore reproduction in different plants, including different methods of pollination and asexual reproduction.

Geography

Rivers

In this unit, the children will find out more about why rivers are so important to the towns and villages that have developed on their banks. By looking at the features of rivers, and the natural and human ways that rivers change over time, children will explore the life stories of rivers.

Computing

Scratch developing games

This unit builds on the previous units, Children use Scratch to build and edit algorithms for simple games. The unit is designed to help children develop their skills in writing their own algorithms as well as editing and debugging existing codes.

Art

The seaside

This unit will teach your class how to use pen and colour, how to print, weave and make lanterns to create quality artwork that shows progression in skills. The children will also have the opportunity to explore the work of 'The Seaside' artists Alfred Wallis and Hokusai.

Physical Education

Invasion Games

Spring 1

Comparing lives in different places

English

Narrative- No Oranges in no man's land

In this unit, the children explore a fiction set in Lebanon. They read the interactive eBook, asking questions and developing understanding of inference and the author's use of language. They use discussion and role-play to explore characters and the impact of civil war. They develop editing, proof-reading and peer-review skills. They plan, edit and write a story from a different character's point of view.

Poetry- narrative poetry

In this unit, the children explore narrative poems, focusing in depth on the work of two poets. They learn about information retrieval, answering questions that require literal comprehension, inference, deduction and imagination. They watch and enjoy a poet reading his work. They write the 'back story' to a poem in narrative form and compose an autobiographical narrative poem.

Maths

Read, write and order numbers with up to 6 digits and understand the place value of each digit; place 6-digit numbers on a number line and find numbers between; solve place-value additions and subtractions with 6-digit numbers; understand place value in decimal numbers as tenths and hundredths; multiply and divide by 10/100/1000 using a place-value grid; understand place value in decimal numbers to 2-decimal places; place decimal numbers on a line; round two-place decimal numbers to nearest tenth and whole number; say the number a tenth or a hundredth more.

Rehearse mental addition strategies for decimals and whole numbers; use counting on as a strategy to perform mental addition of 2-place decimals to the next whole number; solve missing number sentences; use mental strategies to solve multi-step word problems; use counting up as a strategy to perform written subtraction.

Use rules of divisibility to find if numbers are divisible by 2, 3, 4, 5, 9 and 10; identify prime numbers; revise finding factors of numbers; find squares and square roots of square numbers; finding patterns and making and testing rules; use mental multiplication and division strategies; relate mental division strategies to multiples of ten of the divisor.

Know properties of equilateral, isosceles, scalene and right-angled triangles; find that angles in a triangle have a total of 180°; sort triangles according to their properties; use scales to weigh amounts to the nearest half interval; convert from grams to kilograms and vice versa, from millilitres to litres and vice versa, and from metres to kilometres and vice versa; read scales to the nearest half division; understand that we measure distance in kilometres and miles; use ready reckoning to give approximate values of miles in kilometres and vice versa; draw line conversion graphs.

Use a written column method to add amounts of money in pounds and pence; add 2-place decimals using written column addition; subtract decimal numbers using counting up.

	<p><u>Science</u> Animals including humans This unit focuses on the changes that human beings experience as they develop to old age. Children will learn about the life cycle of a human being and about the changes experienced during puberty and why these occur.</p>
	<p><u>Geography</u> America In Geography sessions, children will compare the climates and time zones of a chosen part of North America, the UK and Lebanon. They will learn to identify these countries by their shapes on the map and identify the key physical characteristics by using atlases and google maps. They will then look in more detail at some of the contrasting areas of North America, finding out about the landscape, climate and locations in each area.</p>
	<p><u>Computing</u> Internet research and web page design This unit combines the further development of children’s skills for searching the Internet with the introduction of creating and editing a webpage using Google Sites. Children will learn how use to some of the other advanced search features in Google, such as fill in the blanks; and how to create a webpage with a layout of their choosing which includes images and links to other webpages.</p>
	<p><u>Art</u> American Art This ‘North American Art’ unit will teach children about how to draw the other half of a famous image, make collage landscapes, create body abstracts, make ‘building block’ houses, draw patterned skulls and be an artist’s model to create quality artwork that shows progression in skills.</p>
	<p><u>Physical Education</u> Gymnastics</p>

Spring 2

Environmental Change

English

Persuasive writing- The museum of fun

In this unit, the children explore the mission: to run the Museum of Fun! They read the interactive eBook, scanning and summarising information and relating it to their lives and experiences. They complete the mission, planning, writing and presenting television adverts to encourage people to visit the museum.

Non-Chronological report – Climate change

In this unit, the children will explore the environmental factors of climate change. They will research, gather information and then produce a report explaining how our climate and environment have changed over time.

Maths

Use a written method (grid) to multiply pairs of 2-digit numbers; use short division to divide 3-digit numbers by 1-digit numbers, including those which leave a remainder.

Find unit fractions and non-unit fractions of 3-digit numbers; use short multiplication to multiply 3-digit numbers by 1-digit numbers; begin to use short multiplication to multiply 4-digit numbers by 1-digit numbers.

Understand what a polygon is; draw polygons using dotted square and isometric paper; revise terms obtuse, acute and reflex angles, perpendicular and parallel sides; recognise quadrilaterals as polygons and identify their properties; classify quadrilaterals; draw regular polygons and explore their properties; revise metric units of weight, capacity and length; understand that we can measure in imperial units and relate these to their instances in daily life.

Place mixed numbers on lines; count up in fractions using equivalence; convert improper fractions to mixed numbers and vice versa; write improper fractions as mixed numbers and vice versa; multiply proper fractions by whole numbers.

Solve subtraction of 4-digit numbers using written column subtraction (decomposition); add several numbers using written column addition; use column to solve problems.

Science

Earth and Space

This unit aim is to give children a basic overview of Earth and its place in our Solar System

Geography

Climate change

In Geography, children will explore how human land use has affected environments over time and will learn about climate change and the natural changes to the world's environments which occur over the course of time. Children will then learn about various groups and individuals who seek to preserve the environment and what these people's motivations are.

Computing

3D Modelling – Sketch up

In this unit the children extend their drawing skills to create 3D models based on using the dedicated software. Children will learn how to create simple and complex 3D models. They will be able to add detail and manipulate 3D models using a variety of tools.

D.T.

Super Seasonal Cooking

This 'Super Seasonal Cooking' unit of work will teach your class about the importance of buying seasonal food. The first part of the unit provides an opportunity for children to learn where, when and how a variety of ingredients are grown, reared, caught and processed. Children will then have the chance to sample some spring seasonal food before designing their own balanced seasonal meal.

Physical Education

Net / Wall Games

Summer 1

The Ancient Greeks

English

Fiction unit - Assorted Greek Myths

The children start by reading a selection of Greek myths, using drama and inference to empathise with the characters and looking at the different themes in myths. They look at the author's use of devices to build cohesion and different ways of indicating parenthesis. For the final writing task, they brainstorm, plan and write their own myths, focusing on including powerful language and using devices of cohesion.

Non-fiction - Mission to save Pompeii!

In this unit, the children go on an imaginary mission back in time to warn the people of Pompeii about the volcanic eruption. They read the interactive eBook, locating key information in the text and creating an action plan. The writing tasks include creating an information leaflet and writing a non-chronological report using formal language.

Maths

Add mentally 2-place decimal numbers in the context of money using rounding; add several small amounts of money using mental methods; mentally subtract amounts of money including giving change; calculate the difference between two amounts using counting up; solve word problems, including 2-step problems, choosing an appropriate method.

Multiply fractions less than 1 by whole numbers, convert improper fractions to whole numbers; use short multiplication to multiply 3-digit and 4-digit numbers by 1-digit numbers; use long multiplication to multiply 2-digit and 3-digit numbers by teens numbers.

Read, write and compare decimals to three decimal places, understanding that the third decimal place represents thousandths; multiply and divide numbers by 10, 100 and 1000 using 3-place decimal numbers in the calculations; place 2-place decimals on a number line and round them to the nearest tenth and whole number; read, write, order and compare 3-place decimal numbers; understand and use negative numbers in the context of temperature.

Read and mark co-ordinates in the first two quadrants; draw simple polygons using co-ordinates; translate simple polygons by adding to and subtracting from the co-ordinates; reflect simple shapes in the y axis or in a line, noting the effect on the co-ordinates; translate simple shapes and note what happens to the co-ordinates; draw regular and irregular 2D shapes using given dimensions and angles; use the properties of 2D shapes, including rectangles, to derive related facts; identify 3D shapes from 2D representations; create 3D shapes using 2D nets and draw 3D shapes.

Add 5-digit numbers using written column addition; subtract 5-digit numbers using written method (decomposition); check answers to subtractions using written column addition; solve subtractions of 4- and 5-digit numbers using written column subtraction or number line counting up.

Science

Forces and magnets

This unit will teach children about balanced and unbalanced forces, gravity, friction and the use of mechanisms such as levers, gears and pulleys. The children will identify forces and complete force diagrams. They will find out about Isaac Newton and his discoveries about gravity, completing a comprehension about his life and his work. The children will look for patterns and links between the mass and weight of objects, using newton metres to measure the force of gravity.

History

Ancient Greeks

The Ancient Greece unit will teach children about who the Ancient Greek people were, when they lived and where and how they were able to establish their empire. They learn how the political system worked in Ancient Greece, investigate the legacy of Athenian Democracy and compare it with the political systems we have today.

Computing

Flowol

This unit introduces children to flowcharts and how they are used to program and control devices. Children are taught to build sequences of instructions, control multiple outputs and structure algorithms with decisions and inputs.

D.T.

Automa Animals

In DT, pupils are provided the opportunities to further develop their understanding of mechanical systems. Children learn about controlling movement with a cam mechanism as part of an automata animal. They develop their designing skills through using information sources to research ideas about animals which are then incorporated into the design criteria and designs.

Physical Education

Athletics

Summer 2

Expeditions

English

Non Fiction- Ultimate explorers

In this unit, the children explore the Big Question: What makes someone a great explorer? They read the interactive eBook, and use other sources, to research challenges faced by explorers. They understand and explain different viewpoints. They look for evidence about what qualities successful explorers would need. They recap features of report texts and write an advert using persuasive language. They answer the Big Question, planning and writing a handbook for a new junior explorer.

Poetry - Compare and perform

In this unit, the children explore narrative poems, focusing in depth on the work of two poets. They give personal responses to the poems and use performance skills to bring the patterns of the poems to life for an audience. They compare poems, clarify unfamiliar vocabulary and identify patterns of poetic language. They plan and write a prose story 'prequel' for a narrative poem, learning how to integrate dialogue.

Maths

Identify factors and multiples, find factor pairs; revise equivalent fractions; compare and order fractions with related denominators; add fractions with same or related denominators, then convert answer into a mixed number; subtract fractions with same and related denominators, revise multiplying fractions by whole numbers.

Use short division to divide 3-digit numbers by 1-digit numbers and 4-digit numbers by 1-digit numbers, including those which leave a remainder; express a remainder as a fraction; use long multiplication to multiply 3-digit and 4-digit numbers by teens numbers.

Find the area and perimeter of squares and rectangles by calculation and pursue a line of enquiry; estimate and find the area of irregular shapes; calculate the perimeter and area of composite shapes; use the relations of area and perimeter to find unknown lengths; begin to understand the concept of volume; find the volume of a cube or cuboid by counting cubes; understand volume as measurement in three dimensions; relate volume to capacity; recognise and estimate volumes.

Understand what percentages are, relating them to hundredths; know key equivalences between percentages and fractions, finding percentages of amounts of money; find equivalent fractions, decimals and percentages; solve problems involving fraction and percentage equivalents; write dates using Roman numerals.

Find cubes of numbers to 10; draw and interpret line graphs showing change in temperature over time; begin to understand rate; use timetables using the 24-hour clock and use counting up to find time intervals of several hours and minutes; solve problems involving scaling by simple fractions; use factors to multiply; solve scaling problems involving measure.

Science

Revision

Geography

Exploring eastern Europe

In this unit, children have the opportunity to explore Eastern Europe. Firstly, they will learn about the countries of Europe. They will then look in more detail at some of the contrasting areas of eastern Europe, finding out about the landscape, climate and locations in each area.

Computing

Analysing data and asking questions

In this unit children learn to use prepared databases to answer questions which rely on more than one variable. They will present data in graphical form, print out their graphs and use them to help them answer questions relating to the data.

Art

Wildlife and birds

In this unit, children will learn about how to use pencil, white pencil, print, make clay tiles and model to create quality art work that shows progression in skills. The children will have the opportunity to explore the work of the sculptor, Brancusi, and the paper designer, Richard Sweeney.

Physical Education

Striking and fielding games