



Year 6 Learning Overview – Autum Term

Science	History	Art	Music	French	PSHCE
Classification of Living Things Focussing on Carl Linnaeus and his classification system. Evolution and Inheritance Charles Darwin and how humans and animals have evolved and adapted to environments.	Victorians Learning about how Queen Victoria came to the throne and how advances and actions during her reign impacted the world. We will take part in a Victorian day so that the children experience life as a Victorian school child.	Pop Art Focussing initially on Andy Warhol, but also using Roy Lichtenstein, Romero Britto and Bisa Butler as inspiration for our own creations.	Songwriter Looking closely at lyrics and how songwriters include messages in their songs. Children will write their own song to perform which will contain a message.	Phonics Children will learn how to say individual sounds and apply them to reading French text. Manger et bouger Children will be able to talk about healthy lifestyles based around foods and drinks, along with physical activity.	Tax Entrepreneurship Banks Organisation of life Pensions Power of Negotiation
Computing	Geography	DT		PE	RE
Computing Systems Children will learn about how the internet works and communication within it. Data and information An introduction to Spreadsheets in Excel and working within a budget.	Climate Zones Children will investigate the different climate zones on our planet. They will decide, based on their findings, where best to set up a new settlement.	Enterprise Children will work to a given budget to design and create items to sell to the public. They will learn baking and marketing skills		Tag Rugby Cross Country Indoor Athletics Gymnastics	Rites of passage Key questions: How well does faith help people cope with matters of life and death? What do Christians believe about life after death, and how do they show these beliefs?

English:

Children will read and watch the following stimuli, practising reading skills: comprehension, fluency, intonation, inference, precis

Key Texts: **A Series of Unfortunate Events:** diary, playscript, narrative based on Chaperon Rouge /**The Arrival:** P4C/**Stormbreaker:** author profile, diary, letter writing, drama, character profile, narrative/**Short Film: High Diving Giraffes:** explanation and instructions, sports commentary, interview/**Wonder:** diary, social media, precept, biography, **Linked to Little Freak short film:** monologue, persuasive letter.

The vision for our school:

*Inspiring and enabling our school community to live life to the full, promoting excellence and nurturing our school values of **compassion, honesty, respect, resilience and collaboration***

John 10 v 10:

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

Homework:

- Reading for 20 minutes 3 times a week and recording comments in their reading records.
- Times tables/Abacus games.
- Weekly spellings to practise in class and at home – no formal test. Worksheet to support spellings.

Additional Information:

- Victorian day 22nd October
- Tag Rugby Festival
- Enterprise Sale
- PE days: Rugby coaching – Thursday 2nd lesson - Friday
- Regular meet-ups with Buddies

Maths:

Number and place value; Mental multiplication and division; Decimals, percentages and their equivalence to fractions; Fractions, ratio and proportion

Read, write and compare 6-digit numbers and know what each digit represents; read, write and compare 1-, 2- and 3-place decimal numbers; multiply and divide by 10, 100 and 1000; round decimals to nearest tenth and whole number and place on a number line; convert decimals (up to 3 places) to fractions and vice-versa.

Mental addition and subtraction; Number and place value; Written addition and subtraction; Decimals, percentages and their equivalence to fractions; Problem solving, reasoning and algebra

Use mental addition strategies to solve additions including decimal numbers; use column addition to add 5-digit numbers, decimal numbers and amounts of money; solve problems involving number up to 3 decimal places, choose an appropriate method to solve decimal addition.

Problem solving, reasoning and algebra; Mental addition and subtraction

Express missing number problems algebraically and find pairs of numbers that satisfy equations involving two unknowns; find missing lengths and angles; understand how brackets can be used in calculation problems; use knowledge of the order of operations to carry out calculations involving the four operations, solve addition and subtraction multi-step problems using knowledge of the order of operations.

Measurement; Problem solving, reasoning and algebra; Number and place value

Convert between grams and kilograms, millilitres and litres, millimetres and centimetres, centimetres and metres, metres and kilometres, and miles and kilometres; revise reading the 24-hour clock and convert 12-hour times to 24-hour; read and write Roman numerals; find time intervals using the 24-hour clock.

Mental addition and subtraction; Written addition and subtraction; Number and place value; Problem solving, reasoning and algebra	Use mental addition, column subtraction and counting up to solve subtractions of amounts of money and word problems; use mathematical reasoning to investigate.
Mental multiplication and division; Written multiplication and division; Mental addition and subtraction; Problem solving, reasoning and algebra; Number and place value	Use mental multiplication strategies to multiply by numbers such as 4, 8, 5, 25, 19, 29 and 99; revise using short multiplication to multiply 4-digit numbers by 1-digit numbers and use this to multiply amounts of money; solve word problems involving multiplication including two-step problems and finding change; use long multiplication to multiply 3-digit and 4-digit numbers by teens numbers.
Number and place value; Problem solving, reasoning and algebra; Fractions, ratio and proportion	Understand negative numbers; calculate small differences between negative numbers and negative and positive numbers; add and subtract negative numbers; compare fractions with unlike, but related, denominators; correctly use the terms fraction, denominator and numerator; understand what improper fractions and mixed numbers are and add fractions with the same denominator, writing the answer as a mixed number.
Measurement; Geometry: properties of shapes	Calculate the perimeter, area and volume of shapes, and know their units of measurement; understand that shapes can have the same perimeters but different areas and vice versa; calculate the area of a triangle using the formula $A = \frac{1}{2} b \times h$; find the area of parallelograms using the formula $A = b \times h$; name and describe properties of 3D shapes; systematically find and compare nets for different 3D shapes.
Mental multiplication and division; Fractions, ratio and proportion; Written multiplication and division; Problem solving, reasoning and algebra	Use mental strategies to divide by 2, 4, 8, 5, 20 and 25; find non-unit fractions of amounts; use short division to divide 3- and 4-digit numbers by 1-digit numbers, including those which leave a remainder; express a remainder as a fraction, simplifying where possible.
Fractions, ratio and proportion; Problem solving, reasoning and algebra; Decimals, percentages and their equivalence to fractions	Add and subtract unit fractions with different denominators including mixed numbers; use mental strategies to find simple percentages of amounts, including money.
Fractions, ratio and proportion	Multiply fractions less than 1 by whole numbers, converting improper fractions to whole numbers; use commutativity to efficiently multiply fractions by whole numbers; divide unit and non-unit fractions by whole numbers; solve word problems involving fractions.