

Primary 7
Curriculum Overview
Literacy
Mathematics
World Around Us

P7 Mathematics Programme of Study

Number

Term 1

- Find decimal fractions of amounts
- Use negative numbers in context
- Divide and multiply whole numbers and mixed numbers by 10/100
- Know, use and understand the relationship between fractions, decimals and %
- Mentally multiply 2/3 digit number by multiples of 10/100
- Know what prime, square, cubed and triangular number are
- Add and subtract mentally within 999
- Revise standard written method for vertical addition and subtraction of TthTHTUs, estimating the answer before calculating
- Solve a range of addition and subtraction problems, using both written and mental calculations, selecting the operation required
- Mentally add and subtract to 3 decimal places
- Understand place value up to 3 decimal places
- Round to 2 decimal place or whole number
- Spot patterns and formulas within a number sequence
- +/- of fractions with $\frac{1}{2}$ and $\frac{1}{4}$
- Multiply/Divide numbers any number by a single digit
- Know how that multiplication is the inverse of division
- Multiply / divide numbers up to 2 dec places by 10 and multiples of 10/100
- Multiply numbers by two digits
- Solve everyday problems with 4 operations
- Be able to list factors and multiples of numbers
- Make and List square, cube and triangular numbers
- Know how that multiplication is the inverse of division
- Divide numbers up to 99999 by a 1/2 digit number
- Identify and understand mixed numbers as a whole number plus a fraction
- Convert mixed – improper fractions

Term 2

- Order a set of fractions
- Simplify fractions to their lowest terms
- Show equivalences in fractions
- Tell the time in 12 & 24hr clock
- Calculate durations between times
- Use function machines and find the operation
- Order, read and write the value of digits to 99999
- Be able to halve 3/4 digit numbers
- Be aware of how numbers can be written in Roman Numerals
- Find fractions of a whole number
- Understand decimals to 3rd place
- Divide decimals by 10, 100 & 1000.
- Divide decimals mentally and using a written sum
- Find percentages of a quantity
- Identify the relationship between fractions, decimals & percentages
- Link percentages with fractions e.g. $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$, $\frac{1}{10}$, $\frac{1}{5}$ in percentages.
- Link percentages with their decimal equivalences
- Find percentages of a quantity increase and decrease
- Multiplication by doubling & halving
- Understand negative numbers
- Understand and use the process of long multiplication

Term 3

- Division of ThHTU by 6 to 10
- Dividing 4 digit numbers by a single digit
- Dividing 3 digit by 2 digit numbers
- Identifying prime, square and cubed numbers
- Spotting patterns in sequences
- Identify multiples and factors of given numbers
- +/- several 2/3 digit numbers
- +/- multiples of 10/100
- Solve problems using logical strategies
- Division of ThHTU by 2 to 10
- Dividing by 10, 100, 1000 and multiples of 10
- Divide numbers to find exact reminders
- Multiply and divide numbers by two digit numbers
- +/- fractions with a common denominator
- Multiply fractions by whole numbers
- Link fractions/decimals and their percentage equivalences
- Compare and order fractions/decimals/percentages
- Calculate durations in timetables
- Use a stopwatch appropriately
- Solve problems using logical strategies
- Identify differences in negative numbers
- Find products of odd/even numbers
- Spot patterns in sequences

P7 Literacy Programme of Study

Term 1

Genre: Recount Writing

- Recognise a wide range of recount forms eg. Biographies, autobiographies, journals, and news reports.
- Choose an appropriate framework determined by their audience.
- Write an interesting introduction to capture the reader's interest.
- Provide background information to enable the reader to visualise the experience.

Genre: Procedural Writing

- Identify, choose, and use appropriate procedural form determined by purpose and audience.
- Write explicit instructions for sequence of steps relevant to context and form.
- Use appropriate heading Eg. Utensils, equipment, ingredients.
- Use diagrams, photographs, and illustrations to support text where appropriate.
- Maintain present tense
- Use imperative verbs and adverbs.

Grammar & Punctuation

- Know and understand the terms 'active' and 'passive' in relationship to verbs.
- Know how to transfer a sentence from active to passive.
- Note and discuss how changes from active to passive affect the word order of a sentence.
- Investigate connecting words and phrases – connectives, using a thesaurus, understanding the difference between a conjunction and a connective.
- Know and understand what a compound sentence is i.e. two main clauses linked by a conjunction.
- Know and understand what a complex sentence is i.e. a main clause and subordinate clause or clauses.
- Explore how meaning is affected by the sequence and structure of clauses in sentences.

Term 2

Genre: Narrative Writing

- Recognise that readers can interpret narratives in different ways.
- Use title to intrigue the reader – to stimulate interest for a variety of audiences.
- Develop a storyline that is cohesive and coherent.
- Develop characters including detail according to their importance to the theme or plot.

- Use their own experience to develop characters' feelings in their writing.
- Tie minor complications together to draw the story towards a conclusion or resolution.
- Use language, structure, vocabulary, and style to influence readers' response.
- Attempt to draw the reader into the narrative using various devices such as imagery, metaphor and simile.
- Make effective use of dialogue to further the plot and character.

Genre: Report Writing

- Select and organise information for reports.
- Write a conclusion that accurately identifies the main points with supporting materials.
- Make an oral report showing awareness of purpose and audience.
- Use generic terms e.g. mankind, mammals.
- Use appropriate language to draw comparisons e.g. identical, related.

Genre: Persuasive Writing

- Be aware of the goal because of the persuasion.
- Use persuasion in a range of forms to persuade someone to a point of view.
- Use effective persuasive devices to persuade people of your opinion.
- Structure points of view either as paragraphs per point or one piece of prose.
- Sum up in a concluding paragraph.
- Emphasis point of view using 'strong' language – clearly, obviously, everybody knows that...
- Begin to use language of ambiguity eg. Probably the best, perhaps, may be.
- Use both fact and opinion to support a point.

Grammar & Punctuation

- Know and understand how writers create meaning through the construction of phrases and clauses within sentences e.g. use of active and passive voice, complex and compound sentences.
- Be aware of Proper adjectives - France/French.
- Make comparatives using er/est/ist.
- Know and understand a wide range of punctuation marks e.g. colon, semi-colon, parenthesis (commas, dashes or brackets)
- Understand how to summarise meaning in note form by: deleting words, combing sentences, using bullet points etc.

Term 3 Genres: Discursive & Explanation Writing

Genre: Explanation Writing

- Demonstrate understanding that there are different types of explanations that link cause and effect and describe processes.
- Use explanations to provide reasons for appearance of certain phenomenon.
- Begin with a clear, precise statement of the phenomenon.
- Define terms precisely.
- Select and elaborate appropriate information.
- Clearly demonstrate the relationship of cause and effect.
- Use objective language.
- Write events in logical sequence.
- Make an evaluation where appropriate.
- Use appropriate subject specific terms and technical vocabulary.
- Use a passive voice.
- Maintain cohesion through reference to non-human participants.
- Use a range of connectives

Genre: Discursive Writing

- Help the reader form an opinion.
- Use a framework to plan a discursive argument.
- Substantiate arguments with statements or quotes.
- Write a conclusion which summarises main points and states a recommendation.
- Use conditional language effectively.
- Begin to use abstract nouns eg. Trust, hope, reason.

Grammar & Punctuation

- Know and understand how to identify and discuss grammatical features of different texts types e.g. past tense in recounts, present tense in non-chronological reports.

- Know and understand when Standard English and dialect are appropriate and inappropriate, depending on audience and purpose. Understand how clauses can be manipulated to achieve different effects in complex sentences.
- Use punctuation to convey and clarify meaning in complex sentences.

P7 World Around Us Programme of Study

Year 1	Year 2
Ourselves & Our Body	Light & Sound
Vikings	Victorians & Famine
Water	Journey to the centre of the Earth
Titanic	Minibeast Classification
Change in Materials	Electricity
Eco-Warriors	Around the World