



The Creative Learning Journey Oak - Term 4 -English and Maths

MATHEMATICS AND COMPUTING

- Number - number and place value UKS2**
- m158 read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit
 - m159 count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000
 - m160 interpret negative numbers in context; count forwards and backwards with positive and negative whole numbers, including through zero
 - m161 round any number up to 1 000 000 to the nearest 10, 100, 10 000 and 100 000
 - m162 solve number problems and practical problems that involve all of the above
 - m163 read Roman numerals to 1000 (M) and recognise years written in Roman numerals
- Number - addition and subtraction UKS2**
- m164 add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)
 - m167 solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.
- Number - multiplication and division UKS2**
- m168 identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers
 - m169 know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers
 - m170 establish whether a number up to 100 is prime and recall prime numbers up to 19
 - m171 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
 - m173 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
 - m176 solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes
 - m177 solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign
 - m178 solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates.
- Number - fractions (including decimals and percentages) UKS2**
- m180 identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths
 - m181 recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number (for example, $2/5 + 4/5 = 6/5 = 1 1/5$)
 - m182 add and subtract fractions with the same denominator and denominators that are multiples of the same number
 - m183 multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams
 - m184 read and write decimal numbers as fractions (for example, $0.71 = 71/100$)
 - m185 recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents
 - m189 recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal
 - m190 solve problems which require knowing percentage and decimal equivalents of $1/2$, $1/4$, $1/5$, $2/5$, $4/5$ and those fractions with a denominator of a multiple of 10 or 25.
- Measurement UKS2**
- m196 solve problems involving converting between units of time
 - m197 use all four operations to solve problems involving measure (for example, length, mass, volume, money) using decimal notation, including scaling.
- Geometry - properties of shapes UKS2**
- m199 know angles are measured in degrees; estimate and compare acute, obtuse and reflex angles

Maths
This term, the children will focus on:

- Number and Place Value:**
- rounding numbers to the nearest 10, 100, 1000, 10 000 and 100 000
 - recognising the value of each digit in a number up to 8 digits
 - factors, multiples and prime numbers
 - Roman numerals
 - solving practical problems involving numbers (missing digits etc)
 - negative numbers (including those in context)
 - the four operations (written methods and in context)
- Fractions equivalents**
- simplifying and converting (improper to mixed and vice versa)
 - adding and subtracting fractions with the same and different denominators
 - multiplying and dividing fractions
 - relationship between fractions, decimals and percentages
- Ratio and Proportion**
- identify the difference between the two
 - solve problems in context
- Measures timetables**
- time, including timetables
- Geometry - properties of shapes**
- recap angles in triangles, quadrilaterals, on a straight line, around a point
- Statistics**
- interpret information from bar and line graphs and pie charts

Oak - Term 4 -English and Maths

English
This term, the children will focus on:

- Narrative - The Canterbury Tales**
- What are they? Why were they written?
 - Look at prologues for 'The Knight's Tale and The Pardoner's Tale'
 - Character descriptions using expanded noun phrases
 - Planning, drafting and editing modern day versions of 'The Canterbury Tales'
- Newspaper Reports**
- investigate newspaper types
 - identify the purpose and features
 - direct and reported speech
 - fact and opinion
 - plan, draft and publish newspaper reports using the features
- SPaG**
- Grammar and Punctuation
 - Verb forms - past and present continuous, past and present perfect, subjunctive mood
 - Active and Passive voice
 - Punctuation for parenthesis
 - Variety of clause structures: distinguishing between main and subordinate clauses
 - Dashes and hyphens
 - Semi-colons
- Spelling**
- Recapping homophones and homonyms
 - Words containing -ough
 - Adding suffixes beginning with vowels to words ending in -fer
 - Word Families

LITERACY

Reading - word reading UKS2

- e200 apply their growing knowledge of root words, prefixes and suffixes (morphology and etymology), as listed in English Appendix 1, both to read aloud and to understand the meaning of new words that they meet.

Reading - comprehension UKS2

- e202 continue to read and discuss an increasingly wide range of fiction, poetry, plays, non-fiction and reference books or textbooks
- e203 reading books that are structured in different ways and reading for a range of purposes
- e204 increasing their familiarity with a wide range of books, including myths, legends and traditional stories, modern fiction, fiction from our literary heritage, and books from other cultures and traditions
- e212 asking questions to improve their understanding
- e213 drawing inferences such as inferring characters' feelings, thoughts and motives from their actions, and justifying inferences with evidence
- e214 predicting what might happen from details stated and implied
- e215 summarising the main ideas drawn from more than one paragraph, identifying key details that support the main ideas
- e216 identifying how language, structure and presentation contribute to meaning
- e217 discuss and evaluate how authors use language, including figurative language, considering the impact on the reader
- e218 distinguish between statements of fact and opinion
- e219 retrieve, record and present information from non-fiction
- e222 provide reasoned justifications for their views.

Writing - transcription - Spelling UKS2

- e223 use further prefixes and suffixes and understand the guidance for adding them
- e225 continue to distinguish between homophones and other words which are often confused
- e226 use knowledge of morphology and etymology in spelling and understand that the spelling of some words needs to be learnt specifically, as listed in English Appendix 1
- e227 use dictionaries to check the spelling and meaning of words
- e228 use the first three or four letters of a word to check spelling, meaning or both of these in a dictionary
- e229 use a thesaurus.

Writing - handwriting and presentation UKS2

- e230 write legibly, fluently and with increasing speed by:

Writing - composition UKS2

- e234 identifying the audience for and purpose of the writing, selecting the appropriate form and using other similar writing as models for their own
- e236 in writing narratives, considering how authors have developed characters and settings in what pupils have read, listened to or seen performed
- e238 selecting appropriate grammar and vocabulary, understanding how such choices can change and enhance meaning
- e239 in narratives, describing settings, characters and atmosphere and integrating dialogue to convey character and advance the action
- e241 using a wide range of devices to build cohesion within and across paragraphs
- e242 using further organisational and presentational devices to structure text and to guide the reader (for example, headings, bullet points, underlining)
- e244 assessing the effectiveness of their own and others' writing
- e245 proposing changes to vocabulary, grammar and punctuation to enhance effects and clarify meaning
- e246 ensuring the consistent and correct use of tense throughout a piece of writing
- e247 ensuring correct subject and verb agreement when using singular and plural, distinguishing between the language of speech and writing and choosing the appropriate register
- e248 proof-read for spelling and punctuation errors

Writing - vocabulary, grammar and punctuation UKS2

- e251 recognising vocabulary and structures that are appropriate for formal speech and writing, including subjunctive forms
- e252 using passive verbs to affect the presentation of information in a sentence
- e253 using the perfect form of verbs to mark relationships of time and cause
- e254 using expanded noun phrases to convey complicated information concisely
- e255 using modal verbs or adverbs to indicate degrees of possibility
- e256 using relative clauses beginning with who, which, where, when, whose, that or with an implicit (i.e. omitted) relative pronoun
- e259 using commas to clarify meaning or avoid ambiguity in writing
- e260 using hyphens to avoid ambiguity
- e261 using brackets, dashes or commas to indicate parenthesis
- e262 using semi-colons, colons or dashes to mark boundaries between independent clauses



The Creative Learning Journey

Pilgrimage/Bright Sparks - Oak

Wow Starter: Visit to the Science Museum, London



PSED & RELIGIOUS EDUCATION

RE - Learning From Religion UKS2

- rf30 Reflect on the level of commitment needed to belong to a religion.
- rf31 Understand how commitment to a religion is shown.

Learning About Religion UKS2

- ra34 Describe the key aspects of religions, especially the people, stories and traditions that influence the beliefs and values of others.
- ra35 Describe the practices and ways of life in religions and understand how these stem from beliefs and teachings.
- ra36 Identify and begin to describe the similarities in religions.
- ra37 Describe differences between religions.
- ra39 Consider the meaning of a range of forms of religious expression and understand why they are important.
- ra40 Understand the importance of religious expression.
- ra41 Make connections between forms of religious expression.
- ra43 Use specialist vocabulary to communicate their knowledge and understanding.

RE - Learning From Religion UKS2

- rf35 Evaluate the challenges of commitment in religious traditions.
- rf36 Understand how commitment to a religion is shown in a variety of ways.

Learning About Religion UKS2

- ra45 Describe religions in detail, especially the people, stories and traditions that influence the beliefs and values of others.
- ra46 Describe the practices and ways of life in religions and understand how these stem from, and are closely connected with, beliefs and teachings.
- ra47 Identify and describe similarities and differences within and between religions.
- ra49 Consider the meaning of a range of forms of religious expression, understand why they are important in religion and note links between them.
- ra51 Use specialist vocabulary with confidence to communicate their knowledge and understanding.

COMMUNICATION AND LANGUAGE

UKS2

- fl1 I can understand what is being said to me and respond correctly.
- fl2.1 I can spell and pronounce the words correctly in the songs and poems I know.
- fl3 I can have a conversation including asking and answering questions.
- fl3.2 I can ask for clarification of information or for help.
- fl4 I can speak in grammatically correct sentences.

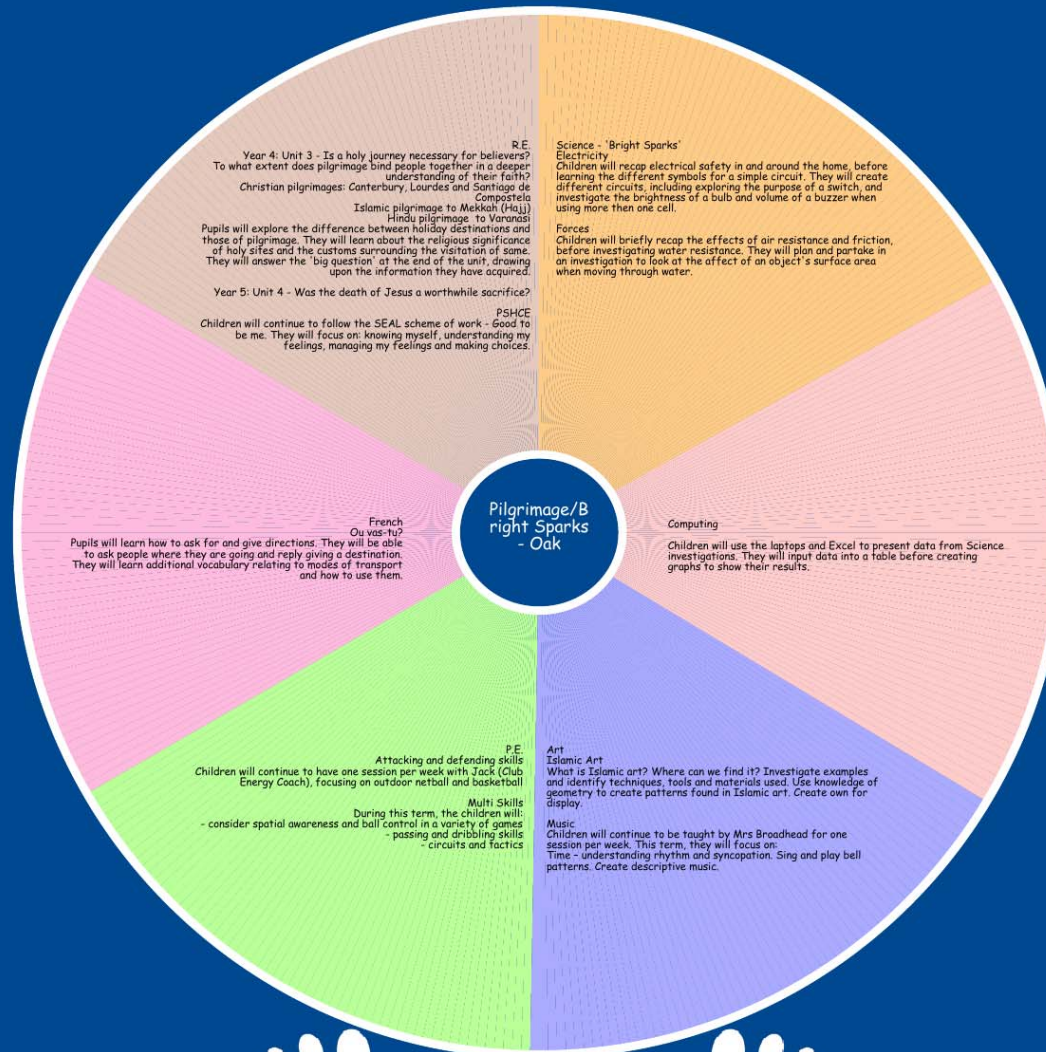
- fl5 I can pronounce words correctly so that I can understand.
- fl10 I can write phrases from memory.
- fl11 I can speak and write about everyday life.
- fl12 I know that some words are governed by gender.
- fl12.2 I know the correct order of words in a sentence and that the order may differ from English.

PHYSICAL EDUCATION

UKS2

- pe11.1 I can explain how developing my skills separately has improved my performance in team games.
- pe12 I can play competitive net, striking, fielding and invasion games.

- pe12.1 I can describe both attacking and defending tactics and strategies and begin to apply them.



UNDERSTANDING THE WORLD

Forces UKS2

- sc99 explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object.
- sc100 identify the effects of air resistance, water resistance and friction, that act between moving surfaces.

Electricity UKS2

- sc114 associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit.
- sc115 compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches.
- sc116 use recognised symbols when representing a simple circuit in a diagram.

MATHEMATICS AND COMPUTING

UKS2

- co36 I know that a variable is a piece of stored information (numbers or a 'string' i.e. a sequence of characters).
- co37 I can use a variety of inputs (keyboards/keypads/switches) to enter data into a program.
- co39 I can use logical reasoning to interpret how an algorithm works and thus rectify any errors.

- co44 I can use a variety of digital devices (including the internet) to create programs to collect, analyse and evaluate data.
- co45 I can use a variety of software to present data and information (including combining images and text, multi-media presentations and data-bases).

EXPRESSIVE ARTS AND DESIGN

UKS2

- ad16 I can show in my sketch book how I have developed techniques and ideas.
- ad18 I can show examples of drawing using pencil and charcoal.
- ad21 I can talk about some famous artists, architects and designers from the past.

- mu26 I can compose pieces of music for a specific purpose, choosing and combining sounds to achieve the effect I desire.

UKS2

- mu23 I can sing in a group, or on my own, with expression, awareness of others and in tune.
- mu24 I can play instruments with accuracy and control.
- mu25 I can play instruments with fluency and expression to reflect the intentions of the music.

- mu27 I can compose pieces of music using the dimensions and elements of music expressively.
- mu28 I can listen carefully and perform accurately from memory.
- mu31 I can describe, compare and evaluate different kinds of music.
- mu33 I can talk about some famous composers and musicians and express my opinions of their music using appropriate vocabulary.

