



The Creative Learning Journey Let's Move It! - Oak



UNDERSTANDING THE WORLD

Working scientifically UKS2

- **sc81** taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate
- **sc82** recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs

Forces UKS2

- **sc101** recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.

Core Skills across the Key Stage UKS2

- **hi64** I can place events, people and changes into correct periods of time (British, local and world history)

- **hi65** I can describe key features and events in the periods and societies I have studied
- **hi67** I can use a range of appropriate historical vocabulary including abstract terms such as 'empire' or 'peasantry'
- **hi68** I can ask and answer questions about change and cause and effect
- **hi70** I can draw informed conclusions by using a range of research skills
- **hi71** I can produce structured work from an appropriate range of resources relevant to the focus of enquiry
- **hi72** can use sources of information, including ICT, to find out about events, people and changes in the past

MATHEMATICS AND COMPUTING

UKS2

- **co41** I can use search technologies effectively
- **co42** I am aware that information from some sources may not be accurate
- **co43** I understand that some sources are biased
- **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)

- **co46** I know the rules for keeping safe on the internet and how to be a responsible internet user
- **co47** I know what is acceptable content and behaviour on the internet and what to do if I am, or any of my friends are, a victim of any inappropriate on-line behaviour

PSED & RELIGIOUS EDUCATION

PSED Developing confidence and responsibility and making the most of their abilities UKS2

- **pc35** Begin to set personal goals.
- **pc36** Reflect on and evaluate their own experiences and set personal goals.
- **pc37** Take action based on responsible choices.
- **pc38** Identify the skills they need to develop to make their contribution in the future.

RE - Learning From Religion UKS2

- **rf29** Reflect on what it means to belong to a faith community and develop ways of communicating others' responses.
- **rf30** Reflect on the level of commitment needed to belong to a religion.
- **rf31** Understand how commitment to a religion is shown.
- **rf32** Discuss and express their own and others' religious beliefs, including wonder.

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.
- **ra42** Describe religious and other responses to ethical and ultimate questions.
- **ra43** Use specialist vocabulary to communicate

- **ra44** Use and interpret information about religions from a range of sources including ICT.

PSED Developing confidence and responsibility and making the most of their abilities UKS2

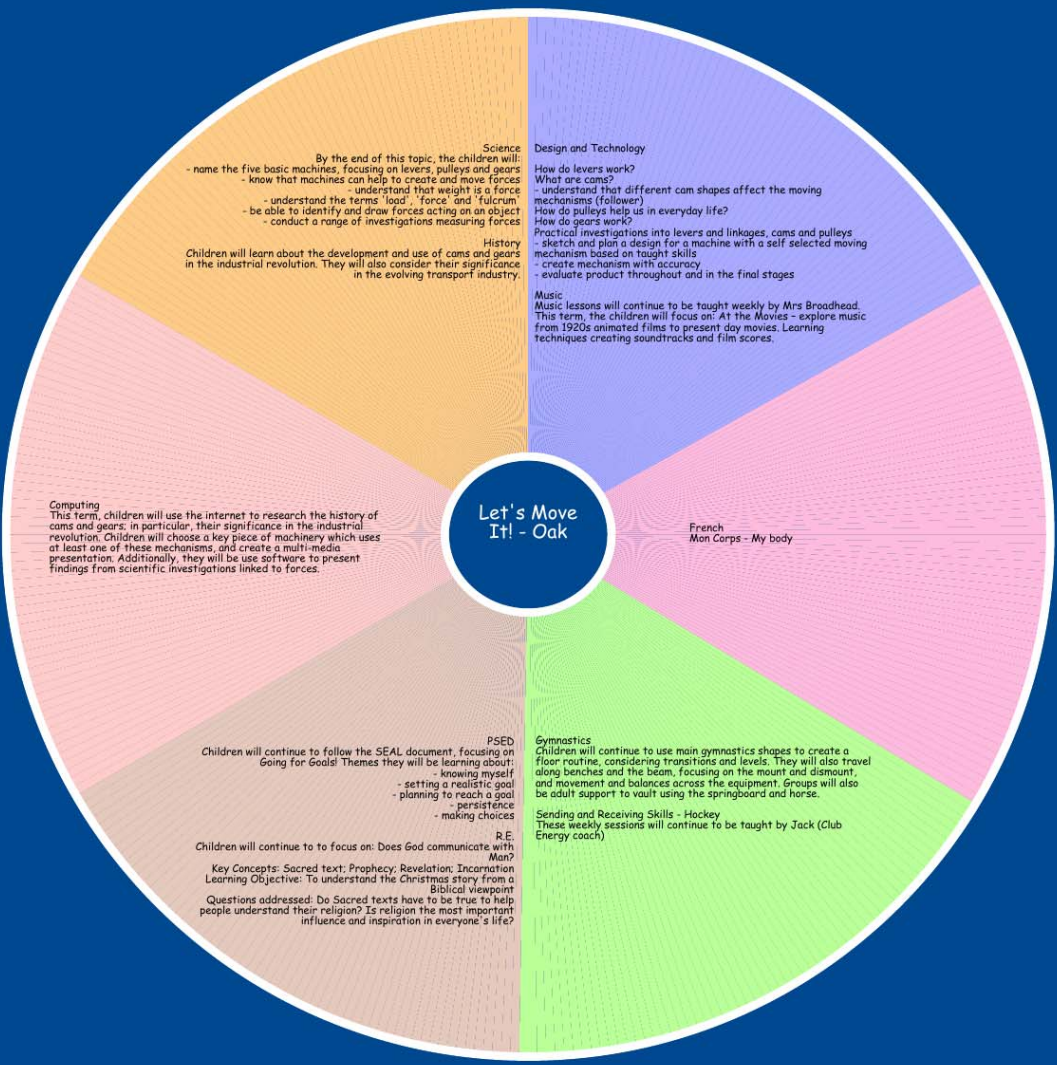
- **pc43** Continue to reflect and evaluate their own experiences and set personal goals.
- **pc44** Take action based on responsible choices.

RE - Learning From Religion UKS2

- **rf36** Understand how commitment to a religion is shown in a variety of ways.
- **rf37** Discuss and express their own and others' views of religious truth and beliefs including concern.

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.
- **ra50** Describe and begin to understand religious and other responses to ethical and ultimate questions.
- **ra51** Use specialist vocabulary with confidence to communicate their knowledge and understanding
- **ra52** Use and interpret information about religions from a range of sources including ICT and religious texts.



EXPRESSIVE ARTS AND DESIGN

Design UKS2

- **dt55** I can talk about my product and explain my design ideas and where they came from
- **dt57** I can communicate my ideas through annotated sketches

Make UKS2

- **dt62** I can select and use appropriate tools and techniques for my product
- **dt63** I can measure, mark, cut and shape a range of materials accurately
- **dt64** I can join, assemble and combine components with precision
- **dt67** I can discuss the aesthetic qualities of my product in relation to the properties of the materials etc I am intending to use

Evaluate UKS2

- **dt70** I have asked for the views of others, especially the intended users, to help to improve my design
- **dt71** I know about some significant developments in technology that have helped to shape the world
- **dt72** I can talk about some significant designers through history

Technical knowledge UKS2

- **dt74** I know how to use gears and pulleys in my designs
- **dt75** I know how to use cams in my designs
- **dt76** I know how to use levers and linkages in my designs

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
- **mu26** I can compose pieces of music for a specific purpose, choosing and combining sounds to achieve the effect I desire
- **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
- **mu34** I can talk about the music in the periods of history I have studied, what part it played in people's lives and how modern notation and instruments developed over time

COMMUNICATION AND LANGUAGE

UKS2

- **fl1** I can understand what is being said to me and respond correctly
- **fl2** I can sing songs and say poems in another language and know what the words mean
- **fl3** I can ask for clarification of information or for help
- **fl4** I can speak in grammatically correct sentences

UKS2

- **fl5** I can pronounce words correctly so that I am understood
- **fl10** I can write phrases from memory
- **fl11** I can speak and write about everyday life
- **fl12.1** I know that some words are given 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

- **pe13.1** I can perform fluent gymnastics sequences to demonstrate my control and balance
- **pe16.1** I can show you how I have improved in different activities over time



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
- m161 round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000
- 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

- 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
- m172 multiply and divide numbers mentally drawing upon known facts
- 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
- m174 multiply and divide whole numbers and those involving decimals by 10, 100 and 1000
- 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

Number - fractions (including decimals and percentages) UKS2

- 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
- m186 round decimals with two decimal places to the nearest whole number and to one decimal place
- m187 read, write, order and compare numbers with up to three decimal places
- 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

- m191 convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre)
- m192 understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints
- m193 measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres
- m194 calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres (cm²) and square metres (m²) and estimate the area of irregular shapes

Number - solve problems involving converting between units of time

- 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.

Statistics UKS2

- m209 complete, read and interpret information in tables, including timetables.

Number - number and place value UKS2

- m210 read, write, order and compare numbers up to 10 000 000 and determine the value of each digit
- m211 round any whole number to a required degree of accuracy

Number - addition, subtraction, multiplication and division UKS2

- m214 multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication
- m215 divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context
- m216 divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context
- m220 solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why
- m221 solve problems involving addition, subtraction, multiplication and division

Number - fractions (including decimals and percentages) UKS2

- m228 associate a fraction with division and calculate decimal fraction equivalents (for example, 0.375) for a simple fraction (for example, 3/8)
- m229 identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places
- m230 multiply one-digit numbers with up to two decimal places by whole numbers
- m231 use written division methods in cases where the answer has up to two decimal places
- m233 recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.

Measurement UKS2

- m243 solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate
- m244 use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation up to three decimal places
- m245 convert between miles and kilometres
- m246 recognise that shapes with the same areas can have different perimeters and vice versa
- m247 recognise when it is possible to use formulae for area and volume of shapes
- m248 calculate the area of parallelograms and triangles

This term, the children will focus on:

- **Measurement**
Children will convert metric units of measure (mass, length, capacity) using PVGs to multiply and divide by 10, 100 and 1000. They will also use conversion tables to convert between metric and imperial units of measure, before applying these to solve word problems. Following this, children will focus on Time (12 and 24 hour clocks), timetables and solving problems in context. Children will then calculate area and perimeter of polygons, including rectilinear shapes, triangles, parallelograms and trapeziums, before using simple formulae.
- **Calculation**
Children will have the opportunity to practise and consolidate written methods for the four operations.

'On the Ball' Strategies

- rapid recall of multiplication facts
- converting fractions, decimals and percentages
- manipulating numbers, missing numbers in calculations
- place value of numbers up to 8 digits
- rounding numbers to whole and decimal places
- Roman numerals

This term, the children will focus on:

- **Explanation Texts**
Children will initially focus on Pie Corbett's 'Teacher Pleaser Machine', identifying key features and 'boxing up' ideas. They will examine sentence types, verb forms and technical vocabulary, before writing their own examples. Following this, children will write explanation texts based on known inventions linked to the five basic machines.
- **Instructions**
Children will focus on identifying the structural and language features of written instructions, before looking at using imperative verbs and adverbs effectively. Following this, they will apply knowledge of features to make a plan for their own instructions involving mechanisms work in DT and making a moving toy. Finally, they will edit and improve their own instructions.

SPaG

- adverbial types
- layout devices for non-fiction texts
- sentence types
- punctuation for parenthesis
- apostrophes for ownership

- recap spelling strategies from Years 3/4
- words ending in -able/ible/ably/ibly

Oak - English and Maths - Term 3

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

- e201 maintain positive attitudes to reading and understanding of what they read by:
 - e202 continuing 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
 - e206 identifying and discussing themes and conventions in and across a wide range of writing
 - e207 making comparisons within and across books
 - e211 checking that the book makes sense to them, discussing their understanding and exploring the meaning of words in context
 - 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 - comprehension UKS2

- e201 maintain positive attitudes to reading and understanding of what they read by:
 - e202 continuing 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
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 - e222 provide reasoned justifications for their views.

Writing - transcription - Spelling UKS2

- e223 use further prefixes and suffixes and understand the guidance for adding them
- 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:
 - e231 choosing which shape of a letter to use when given choices and deciding whether or not to join specific letters
 - e232 choosing the writing implement that is best suited for a task

Writing - composition UKS2

- e233 plan their writing by:
 - e234 identifying the audience for and purpose of the writing, selecting the appropriate form and using other similar writing as models for their own
 - e235 noting and developing initial ideas, drawing on reading and research where necessary
 - e238 selecting appropriate grammar and vocabulary, understanding how such choices can change and enhance meaning
 - 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
- 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 implied (i.e. omitted) relative pronoun
- e257 learning the grammar for years 5 and 6 in English Appendix 2
- e259 using commas to clarify meaning or avoid ambiguity in writing
- e261 using brackets, dashes or commas to indicate parenthesis
- e263 using a colon to introduce a list
- e264 punctuating bullet points consistently
- e265 use and understand the grammatical terminology in English Appendix 2 accurately and appropriately in discussing their writing and reading.