



## MATHEMATICS AND COMPUTING

### Number - multiplication and division LKS2

- m128 recall multiplication and division facts for multiplication tables up to 12 x 12
- m129 use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers
- m130 recognise and use factor pairs and commutativity in mental calculations

- m131 multiply two-digit and three-digit numbers by a one-digit number using formal written layout
- m132 solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.

## LITERACY

### Reading - word reading LKS2

- e135 apply their growing knowledge of root words, prefixes and suffixes (etymology and morphology) as listed in English Appendix 1, both to read aloud and to understand the meaning of new words they meet
- e136 read further exception words, noting the unusual correspondences between spelling and sound, and where these occur in the word.

- e161 use the diagonal and horizontal strokes that are needed to join letters and understand which letters, when adjacent to one another, are best left unjoined
- e162 increase the legibility, consistency and quality of their handwriting [for example, by ensuring that the downstrokes of letters are parallel and equidistant; that lines of writing are spaced sufficiently so that the ascenders and descenders of letters do not touch].

### Reading - comprehension LKS2

- e138 listening to and discussing a wide range of fiction, poetry, plays, non-fiction and reference books or textbooks
- e141 increasing their familiarity with a wide range of books, including fairy stories, myths and legends, and retelling some of these orally
- e143 preparing poems and play scripts to read aloud and to perform, showing understanding through intonation, tone, volume and action
- e145 recognising some different forms of poetry [for example, free verse, narrative poetry]
- e152 identifying how language, structure, and presentation contribute to meaning

### Writing - composition LKS2

- e164 discussing writing similar to that which they are planning to write in order to understand and learn from its structure, vocabulary and grammar
- e167 composing and rehearsing sentences orally (including dialogue), progressively building a varied and rich vocabulary and an increasing range of sentence structures (English Appendix 2)
- e172 assessing the effectiveness of their own and others' writing and suggesting improvements
- e173 proposing changes to grammar and vocabulary to improve consistency, including the accurate use of pronouns in sentences
- e174 proof-read for spelling and punctuation errors
- e175 read aloud their own writing, to a group or the whole class, using appropriate intonation and controlling the tone and volume so that the meaning is clear.

### Writing - transcription - Spelling LKS2

- e156 spell further homophones
- e158 place the possessive apostrophe accurately in words with regular plurals [for example, girls', boys'] and in words with irregular plurals [for example, children's]
- e159 use the first two or three letters of a word to check its spelling in a dictionary

### Writing - vocabulary, grammar and punctuation LKS2

- e185 indicating possession by using the possessive apostrophe with plural nouns

### Writing - handwriting LKS2

## UNDERSTANDING THE WORLD

### Working scientifically LKS2

- sc33 setting up simple practical enquiries, comparative and fair tests
- sc35 gathering, recording, classifying and presenting data in a variety of ways to help in answering questions
- sc36 recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables
- sc38 using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions
- sc39 identifying differences, similarities or changes related to simple scientific ideas and processes

### Location knowledge LKS2

- ge30 I can talk about the environmental regions and key human and physical characteristics of the countries I can identify
- ge31 I can name and locate the counties and major cities in the UK
- ge32 I can talk about the human and physical characteristics of some of the geographical regions of the UK
- ge33 I can identify key topographical features of the UK (e.g. hills, coastal features, rivers, mountain ranges etc)
- ge35 I know how and why human and physical features in the landscape change over time (e.g. river courses or patterns of settlement)

### States of matter LKS2

- sc67 compare and group materials together, according to whether they are solids, liquids or gases

### Place knowledge LKS2

- ge38 I can describe the geographical similarities and differences of the physical features of contrasting locations in the UK, Europe and a region



## EXPRESSIVE ARTS AND DESIGN

### LKS2

- ad10 I can show in my sketch book how I have developed techniques and ideas
- ad13 I can show examples of painting with different kinds of paint
- ad15 I can talk about some famous artists, architects and designers from the past

- mu13 I can play instruments with fluency and expression to reflect the intentions of the music
- mu14 I can compose pieces of music for a specific purpose, choosing and combining sounds to achieve the effect I desire
- mu15 I can compose pieces of music using the dimensions and elements of music expressively

### LKS2

- mu12 I can play instruments with accuracy and control

## COMMUNICATION AND LANGUAGE

### LKS2

- 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 have a conversation including asking and answering questions
- fl3.1 I can express my own and understand others' opinions
- fl3.2 I can ask for clarification of information or for help
- fl5 I can pronounce words correctly so that I am understood
- fl6 I can communicate and be understood in different situations
- fl7 I can read simple passages with understanding
- fl11 I can speak and write about everyday life

- sl13 listen and respond appropriately to adults and their peers
- sl14 ask relevant questions to extend their understanding and knowledge
- sl15 use relevant strategies to build their vocabulary
- sl16 articulate and justify answers, arguments and opinions
- sl18 maintain attention and participate actively in collaborative conversations, staying on topic and initiating and responding to comments
- sl20 speak audibly and fluently with an increasing command of Standard English
- sl21 participate in discussions, presentations, performances, role play, improvisations and debates

## PSED & RELIGIOUS EDUCATION

### PSED Preparing to play an active role as citizens LKS2

- pa24 To continue to develop skills to take part in small discussions about community issues.
- pa25 Continue to value contributions of others in discussion.
- pa26 Continue to develop negotiating strategies.
- pa27 Know when to compromise.
- pa28 Identify reasons about why rules are needed.
- pa29 Understand there are consequences when rules are broken.
- pa30 Distinguish between accidental and deliberate actions.

### Learning About Religion LKS2

- ra26 Describe aspects of religion, especially the people, stories and traditions that influence the beliefs and values of others.
- ra30 Consider the meaning of a range of forms of religious expression.
- ra31 Understand the importance of religious expression.
- ra32 Develop a greater vocabulary to communicate their knowledge and understanding.
- ra33 Use information about religions from a range of sources.

## PHYSICAL EDUCATION

### LKS2

- pe6.1 I can perform fluent gymnastics sequences to demonstrate my control and balance
- pe8 I can tell you about outdoor and adventurous activities I have achieved on my own

- pe8.1 I can tell you about outdoor and adventurous activities I have achieved in a team
- pe9.2 I can tell you my personal best in a particular activity and my aspirations for the future

## OUTDOOR LEARNING

We shall be using the outdoor space for inspiration for our writing in English and our artwork. We will also be using the local area to help us learn more about rivers.



# Mountains and Rivers (Y4T3) - Stage Coverage

## UNDERSTANDING THE WORLD

### Working scientifically **LKS2**

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- **sc36** recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables
- **sc38** using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions
- **sc39** identifying differences, similarities or changes related to simple scientific ideas and processes

### States of matter **LKS2**

- **sc67** compare and group materials together, according to whether they are solids, liquids or gases
- **sc68** observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C)
- **sc69** identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.

### Location knowledge **LKS2**

- **ge30** locate the world's countries, using maps to focus on their environmental regions, key physical and human characteristics
- **ge31** name and locate counties and cities of the United Kingdom
- **ge32** name and locate geographical regions and their identifying human and physical characteristics
- **ge33** name and locate key topographical features (including hills, mountains, coasts and rivers)
- **ge35** name human and physical characteristics and understand how some of these aspects have changed over time

### Place knowledge **LKS2**

- **ge38** understand geographical similarities and differences through the study of human and physical geography of a region of the United Kingdom, a region in a European country, and a region within North or South America

### Human and physical geography **LKS2**

- **ge40** rivers, mountains, volcanoes and earthquakes

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## PHYSICAL EDUCATION

### LKS2

- **pe6.1** develop flexibility, strength, technique, control and balance, for example gymnastics
- **pe8** take part in outdoor and adventurous activity challenges individually
- **pe8.1** take part in outdoor and adventurous activity challenges within a team
- **pe9.2** demonstrate their personal best.

## EXPRESSIVE ARTS AND DESIGN

### LKS2

- **ad10** to create sketch books to record their observations and use them to review and revisit ideas
- **ad13** to improve their mastery of art and design techniques, including painting with a range of materials
- **ad15** about great artists, architects and designers in history.

### LKS2

- **mu12** play musical instruments with increasing accuracy
- **mu13** play and perform in solo and ensemble contexts, using their voices and playing musical instruments with fluency and expression
- **mu14** improvise and compose music for a range of purposes
- **mu15** improvise and compose music using the inter-related dimensions of music

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## COMMUNICATION AND LANGUAGE

### LKS2

- **fl1** listen attentively to spoken language and show understanding by joining in and responding
- **fl2** explore the patterns and sounds of language through songs and rhymes
- **fl3** engage in conversations; ask and answer questions
- **fl3.1** engage in conversations and express opinions and respond to those of others
- **fl3.2** engage in conversations and seek clarification and help
- **fl5** develop accurate pronunciation and intonation so that others understand when they are reading aloud or using familiar words and phrases
- **fl6** present ideas and information orally to a range of audiences
- **fl7** read carefully and show understanding of words, phrases and simple writing
- **fl11** describe people, places, things and actions orally and in writing
- **sl13** listen and respond appropriately to adults and their peers
- **sl14** ask relevant questions to extend their understanding and knowledge
- **sl15** use relevant strategies to build their vocabulary
- **sl16** articulate and justify answers, arguments and opinions
- **sl18** maintain attention and participate actively in collaborative conversations, staying on topic and initiating and responding to comments
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