



UNDERSTANDING THE WORLD

Working scientifically KS1

- **sc1** During years 1 and 2, pupils should be taught to use the following practical scientific methods, processes and skills through the teaching of the programme of study content:
- **sc2** asking simple questions and recognising that they can be answered in different ways
- **sc3** observing closely, using simple equipment
- **sc4** performing simple tests
- **sc5** identifying and classifying
- **sc6** using their observations and ideas to suggest answers to questions
- **sc7** gathering and recording data to help in answering questions.

Living things and their habitats KS1

- **sc20** explore and compare the differences between things that are living, dead, and things that have never been alive
- **sc21** identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other
- **sc22** identify and name a variety of plants and animals in their habitats, including micro-habitats
- **sc23** describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food.

Plants KS1

- **sc24** observe and describe how seeds and bulbs grow into mature plants
- **sc25** find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.

Location knowledge KS1

- **ge1** I can find and name the world's seven continents on a map and globe
- **ge3** I can find and name the four countries of the UK on a map
- **ge4** I can find and name the capital cities of the UK on a map

Human and physical geography KS1

- **ge10** I know the names of the four seasons and the weather to expect in each one
- **ge12** I can identify the Equator and North and South Poles on a map and globe
- **ge13** I know that it is very hot I places around the Equator and very cold around the Poles

Geographical skills and fieldwork KS1

- **ge16** I can use maps and globes to identify places I am learning about
- **ge17** I understand the four basic compass directions and know that on a British map North is always at the top
- **ge21** I can identify features in my classroom and on the playground from a plan view

Core Skills across the Key Stage KS1

- **hi1** I can use common words and phrases related to the passing of time
- **hi2** I can place objects, people and events into chronological order
- **hi3** I can talk about different ways of life at different times
- **hi4** I have a wide vocabulary of common historical terms
- **hi5** I can ask and answer questions about the past
- **hi6** I can identify key features of stories and events to help me to understanding their importance
- **hi7** I can use sources of information to find out about the past
- **hi8** I know the past is represented in different ways

EXPRESSIVE ARTS AND DESIGN

KS1

- **ad1** I can use different materials to design and make things
- **ad2** I can use drawing to share my ideas.
- **ad6** I can use line ,shape ,form and space in my work
- **ad7** I can tell you about famous artists, craft-makers and designers and who my favourite is and why I like his/her work
- **ad8** I can talk about different ways of creating work and which ways I have tried and which I liked best

Make KS1

- **dt6** I can use scissors for cutting and shaping
- **dt12** I can create or follow simple recipes

Evaluate KS1

- **dt14** I can look at things other people have made and tell you what I like or dislike

KS1

- **mu1** I can sing songs using my voice to show the meaning of the words and tune
- **mu2** I can repeat chants and rhymes with expression
- **mu3** I can use my voice in different ways
- **mu5** I can play a tuned instrument in a piece if music
- **mu7** I can sit and listen attentively to recorded music
- **mu8** I can concentrate when listening to music and describe what I think and how the music makes me feel
- **mu10** I understand loud/quiet, fast/slow and high/low

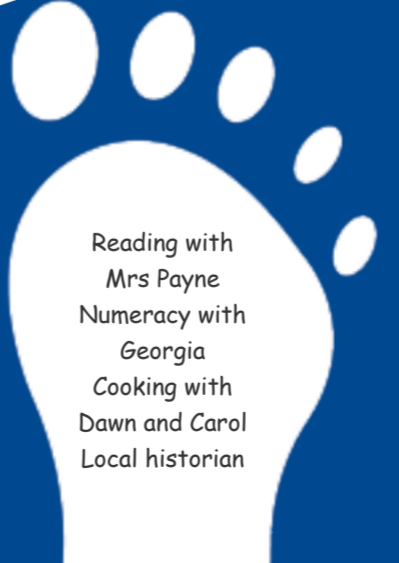
LITERACY

If you see this message you must have added too many skills. YOU CAN CHANGE THE FONT SIZE and tick the 2 column box to fit more skills in. Please select fewer skills. Alternatively you could create more than one wheel, for example, Wheel Title Part 1, Wheel Title Part 2, if you wish to add lots of skills in 1 area of development.



OUTDOOR LEARNING

Local habitat survey
Invertebrate hunt
Investigating school environment
Identifying trees at school
Growing flowers and beans



MATHEMATICS AND COMPUTING

Number - number and place value KS1

- **m32** count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward
- **m33** recognise the place value of each digit in a two-digit number (tens, ones)
- **m34** identify, represent and estimate numbers using different representations, including the number line
- **m35** compare and order numbers from 0 up to 100; use <, > and = signs
- **m36** read and write numbers to at least 100 in numerals and in words
- **m37** use place value and number facts to solve problems.

Number - addition and subtraction KS1

- **m38** solve problems with addition and subtraction;
- **m40** applying their increasing knowledge of mental and written methods
- **m41** recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100
- **m42** add and subtract numbers using concrete objects, pictorial representations, and mentally, including:
 - **m43** a two-digit number and ones
 - **m44** a two-digit number and tens
 - **m45** two two-digit numbers
 - **m46** adding three one-digit numbers

Number - multiplication and division KS1

- **m49** recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers
- **m50** calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (x), division (÷) and equals (=) signs

Number - fractions KS1

- **m53** recognise, find, name and write fractions, and of a length, shape, set of objects or quantity

Measurement KS1

- **m55** choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels
- **m56** compare and order lengths, mass, volume/capacity and record the results using >, < and =
- **m57** recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value
- **m58** find different combinations of coins that equal the same amounts of money
- **m60** compare and sequence intervals of time

- **m61** tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times

Geometry - properties of shapes KS1

- **m63** identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line
- **m64** identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces
- **m65** identify 2-D shapes on the surface of 3-D shapes [for example, a circle on a cylinder and a triangle on a pyramid]
- **m66** compare and sort common 2-D and 3-D shapes and everyday objects.

Geometry - position and direction KS1

- **m67** order and arrange combinations of mathematical objects in patterns and sequences

Geometry - properties of shapes KS1

- **m74** draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them
- **m75** recognise angles as a property of shape or a description of a turn
- **m76** identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle

KS1

- **co1** I know that an algorithm is an instruction in a computer program
- **co2** I know that programs control digital toys
- **co3** I know that programmable toys can only understand the program language and can only do what the programs tells them to do
- **co4** I can write a simple computer program
- **co5** I can find and correct a problem in my program
- **co6** I can predict what will happen by 'reading' a program
- **co7** I can use a variety of technologies to create and save my work
- **co8** I can manipulate text and pictures
- **co9** I can find and retrieve my work or information that I need
- **co10** I can talk about how information technology is used at home, in shops and in other places (mobile phones, internet etc)
- **co11** I know how to use equipment safely and respectfully
- **co12** I understand what 'personal information' is and why it must be kept private
- **co13** I know what to do if I am worried about anything when I am using the internet

COMMUNICATION AND LANGUAGE

KS1

- **sl1** listen and respond appropriately to adults and their peers
- **sl2** ask relevant questions to extend their understanding and knowledge
- **sl4** articulate and justify answers, arguments and opinions
- **sl6** maintain attention and participate actively in collaborative conversations, staying on topic and initiating and responding to comments
- **sl8** speak audibly and fluently with an increasing command of Standard English

- **sl9** participate in discussions, presentations, performances, role play, improvisations and debates
- **sl10** gain, maintain and monitor the interest of the listener(s)
- **sl11** consider and evaluate different viewpoints, attending to and building on the contributions of others
- **sl12** select and use appropriate registers for effective communication.

PHYSICAL EDUCATION

KS1

- **pe1** I can run safely, controlling my speed and direction
- **pe1.2** I can send and receive a ball or other equipment in different ways (hitting, kicking, throwing, striking)

- **pe2** I can play simple team games showing awareness of my team-mates and opponents and understanding the importance of the rules
- **pe2.1** I can think of simple tactics to help attack or defend in a team game

Romans-Year 2 - Stage Coverage

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Location knowledge **KS1**

- **ge1** name and locate the world's seven continents
- **ge3** name and locate the four countries of the United Kingdom
- **ge4** name and locate the capital cities of the four countries of the United Kingdom

Human and physical geography **KS1**

- **ge10** identify seasonal weather patterns in the United Kingdom
- **ge12** identify the location of the Equator and the North and South Poles
- **ge13** identify the location of hot and cold areas of the world in relation to the Equator and the North and South Poles

Geographical skills and fieldwork **KS1**

- **ge16** use world maps, atlases and globes to identify the United Kingdom and its countries, as well as the countries, continents and oceans studied at this key stage
- **ge17** use simple compass directions (North, South, East and West)
- **ge21** use plan perspectives to recognise landmarks

KS1

- **hi1** Pupils should develop an awareness of the past, using common words and phrases relating to the passing of time.
- **hi2** They should know where the people and events they study fit within a chronological framework
- **hi3** They should identify similarities and differences between ways of life in different periods.
- **hi4** They should use a wide vocabulary of everyday historical terms.
- **hi5** They should ask and answer questions
- **hi6** They should choose and use parts of stories and other sources to show that they know and understand key features of events.
- **hi7** They should understand some of the ways in which we find out about the past
- **hi8** and identify different ways in which it is represented.

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PHYSICAL EDUCATION

KS1

- **pe1** master basic movements including running
- **pe1.2** master basic movements including throwing and catching
- **pe2** participate in team games
- **pe2.1** in team games, develop simple tactics for attacking and defending

EXPRESSIVE ARTS AND DESIGN

KS1

- **ad1** to use a range of materials creatively to design and make products
- **ad2** to use drawing to develop and share their ideas, experiences and imagination
- **ad6** to develop a wide range of art and design techniques in using line, shape, form and space
- **ad7** about the work of a range of artists, craft makers and designers.
- **ad8** about the differences and similarities between different practices and disciplines, and making links to their own work.

Make **KS1**

- **dt6** select from and use a range of tools and equipment to perform practical tasks such as cutting and shaping
- **dt12** select from and use a wide range of materials and components, including ingredients

Evaluate **KS1**

- **dt14** explore a range of existing products

KS1

- **mu1** use their voices expressively by singing songs
- **mu2** use their voices expressively by speaking chants and rhymes
- **mu3** use their voices creatively
- **mu5** play tuned and untuned instruments musically
- **mu7** listen with concentration and understanding to a range of high-quality recorded music
- **mu8** listen with concentration and understanding to a range of music
- **mu10** experiment with the inter-related dimensions of music.

LITERACY

Reading - word reading **KS1**

- **e61** continue to apply phonic knowledge and skills as the route to decode words until automatic decoding has become embedded and reading is fluent
- **e62** read accurately by blending the sounds in words that contain the graphemes taught so far, especially recognising alternative sounds for graphemes
- **e63** read accurately words of two or more syllables that contain the same graphemes as above
- **e64** read words containing common suffixes
- **e65** read further common exception words, noting unusual correspondences between spelling and sound and where these occur in the word
- **e66** read most words quickly and accurately, without overt sounding and blending, when they have been frequently encountered
- **e67** read aloud books closely matched to their improving phonic knowledge, sounding out unfamiliar words accurately, automatically and without undue hesitation
- **e68** re-read these books to build up their fluency and confidence in word reading.

Reading - comprehension **KS1**

- **e69** develop pleasure in reading, motivation to read, vocabulary and understanding by:
- **e70** listening to, discussing and expressing views about a wide range of contemporary and classic poetry, stories and non-fiction at a level beyond that at which they can read independently
- **e71** discussing the sequence of events in books and how items of information are related
- **e72** becoming increasingly familiar with and retelling a wider range of stories, fairy stories and traditional tales
- **e73** being introduced to non-fiction books that are structured in different ways
- **e75** discussing and clarifying the meanings of words, linking new meanings to known vocabulary
- **e76** discussing their favourite words and phrases
- **e77** continuing to build up a repertoire of poems learnt by heart, appreciating these and reciting some, with appropriate intonation to make the meaning clear
- **e80** checking that the text makes sense to them as they read and correcting inaccurate reading
- **e81** making inferences on the basis of what is being said and done
- **e82** answering and asking questions
- **e83** predicting what might happen on the basis of what has been read so far
- **e84** participate in discussion about books, poems and other works that are read to them and those that they can read for themselves, taking turns and listening to what others say
- **e85** explain and discuss their understanding of books, poems and other material, both those that they listen to and those that they read for themselves.

Writing - transcription - Spelling **KS1**

- **e86** segmenting spoken words into phonemes and representing these by graphemes, spelling many correctly
- **e87** learning new ways of spelling phonemes for which one or more spellings are already known, and learn some words with each spelling, including a few common homophones
- **e88** learning to spell common exception words
- **e89** learning to spell more words with contracted forms
- **e90** learning the possessive apostrophe (singular) [for example, the girl's book]
- **e92** add suffixes to spell longer words, including -ment, -ness, -ful, -less, -ly
- **e93** apply spelling rules and guidance, as listed in English Appendix 1
- **e94** write from memory simple sentences dictated by the teacher that include words using the GPCs, common exception words and punctuation taught so far.

Writing - handwriting **KS1**

- **e95** form lower-case letters of the correct size relative to one another
- **e96** start using some of the diagonal and horizontal

COMMUNICATION AND LANGUAGE

KS1

- **s11** listen and respond appropriately to adults and their peers
- **s12** ask relevant questions to extend their understanding and knowledge
- **s14** articulate and justify answers, arguments and opinions
- **s16** maintain attention and participate actively in collaborative conversations, staying on topic and initiating and responding to comments
- **s18** speak audibly and fluently with an increasing command of Standard English
- **s19** participate in discussions, presentations, performances, role play, improvisations and debates
- **s110** gain, maintain and monitor the interest of the listener(s)
- **s111** consider and evaluate different viewpoints, attending to and building on the contributions of others
- **s112** select and use appropriate registers for effective communication.

PSED & RELIGIOUS EDUCATION

PSED Preparing to play an active role as citizens **KS1**

- **pa12** Listen and respond in group discussions.
- **pa13** Express own views with increasing confidence.
- **pa14** Participate in a simple debate about school issues.
- **pa18** Beginning to understand that they have more responsibilities to meet the needs of living things.
- **pa19** Begin to understand what harms their local, natural and built environments.

PSED Developing confidence and responsibility and making the most of their abilities **KS1**

- **pc22** Share their opinions on things that matter to them.

PSED Developing good relationships and respecting the differences between people **KS1**

- **pr21** Identify and respect the differences and similarities between people.
- **pr23** Consider social and moral dilemmas that they come across every day.

Learning About Religion **KS1**

- **ra14** Name and explore a range of celebrations, worship and rituals in religion, noting similarities where appropriate.
- **ra15** Identify the importance, for some people, of belonging to a religion and recognise the difference this makes to their lives.

