



MATHEMATICS AND COMPUTING

Number - number and place value KS1

- **m1** count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number
- **m2** count, read and write numbers to 100 in numerals: count in multiples of twos, fives and tens
- **m4** identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least
- **m5** read and write numbers from 1 to 20 in numerals and words.

Number - addition and subtraction KS1

- **m6** read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs
- **m7** represent and use number bonds and related subtraction facts within 20
- **m8** add and subtract one-digit and two-digit numbers to 20, including zero
- **m9** solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = ? - 9$.

Geometry - properties of shapes KS1

- **m27** recognise and name common 2-D and 3-D shapes, including:
 - **m28** 2-D shapes [for example, rectangles (including squares), circles and triangles]
 - **m29** 3-D shapes [for example, cuboids (including cubes), pyramids and spheres].

KS1

- **co3** I know that programmable toys can only understand the program language and can only do what the programs tells them to do
- **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

UNDERSTANDING THE WORLD

Working scientifically KS1

- **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

Animals, including humans KS1

- **sc10** identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals
- **sc11** identify and name a variety of common animals that are carnivores, herbivores and omnivores
- **sc12** describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets)

Location knowledge KS1

- **ge1** I can find and name the world's seven continents on a map and globe
- **ge2** I can find and name the world's five oceans on a map and globe

Place knowledge KS1

- **ge9** I can tell you about the differences between the weather and landscape in the UK and in a country far away and how it affects the way of life of the people there

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

use basic geographical vocabulary to refer to: KS1

- **ge14** I know what physical features in the landscape are and can use the correct geographical vocabulary to name various physical features

Geographical skills and fieldwork KS1

- **ge16** I can use maps and globes to identify places I am learning about

PHYSICAL EDUCATION

KS1

- **pe1.2** I can send and receive a ball or other equipment in different ways (hitting, kicking, throwing, striking)
- **pe1.5** I can co-operate with a partner or small group to develop my skills, showing awareness of others' needs

- **pe3** I can respond to music with controlled movements, creating and repeating simple dance sequences to express and communicate ideas and feelings



LITERACY

Reading - word reading KS1

- **e1** apply phonic knowledge and skills as the route to decode words
- **e2** respond speedily with the correct sound to graphemes (letters or groups of letters) for all 40+ phonemes, including, where applicable, alternative sounds for graphemes
- **e3** read accurately by blending sounds in unfamiliar words containing GPCs that have been taught
- **e4** read common exception words, noting unusual correspondences between spelling and sound and where these occur in the word
- **e6** read other words of more than one syllable that contain taught GPCs
- **e8** read aloud accurately books that are consistent with their developing phonic knowledge and that do not require them to use other strategies to work out words

Reading - comprehension KS1

- **e10** develop pleasure in reading, motivation to read, vocabulary and understanding by:
 - **e11** listening to and discussing a wide range of poems, stories and non-fiction at a level beyond that at which they can read independently
 - **e12** being encouraged to link what they read or hear read to their own experiences
 - **e16** discussing word meanings, linking new meanings to those already known
 - **e18** drawing on what they already know or on background information and vocabulary provided by the teacher
 - **e19** checking that the text makes sense to them as they read and correcting inaccurate reading
 - **e20** discussing the significance of the title and events
 - **e21** making inferences on the basis of what is being said and done
 - **e22** predicting what might happen on the basis of what has been read so far
 - **e23** participate in discussion about what is read to them, taking turns and listening to what others say
 - **e24** explain clearly their understanding of what is read to them.

Writing - transcription - Spelling KS1

- **e25** words containing each of the 40+ phonemes already taught
- **e26** common exception words

- **e28** name the letters of the alphabet:
- **e29** naming the letters of the alphabet in order
- **e30** using letter names to distinguish between alternative spellings of the same sound
- **e35** apply simple spelling rules and guidance, as listed in English Appendix 1
- **e36** write from memory simple sentences dictated by the teacher that include words using the GPCs and common exception words taught so far.

Writing - handwriting KS1

- **e37** sit correctly at a table, holding a pencil comfortably and correctly
- **e38** begin to form lower-case letters in the correct direction, starting and finishing in the right place
- **e39** form capital letters
- **e40** form digits 0-9
- **e41** understand which letters belong to which handwriting 'families' (i.e. letters that are formed in similar ways) and to practise these.

Writing - composition KS1

- **e42** write sentences by:
 - **e43** saying out loud what they are going to write about
 - **e44** composing a sentence orally before writing it
 - **e45** sequencing sentences to form short narratives
 - **e46** re-reading what they have written to check that it makes sense
 - **e47** discuss what they have written with the teacher or other pupils
 - **e48** read aloud their writing clearly enough to be heard by their peers and the teacher.

Writing - vocabulary, grammar and punctuation KS1

- **e50** leaving spaces between words
- **e51** joining words and joining clauses using and
- **e52** beginning to punctuate sentences using a capital letter and a full stop, question mark or exclamation mark
- **e53** using a capital letter for names of people, places, the days of the week, and the personal pronoun 'I'
- **e54** learning the grammar for year 1 in English Appendix 2
- **e55** use the grammatical terminology in English Appendix 2 in discussing their writing.

COMMUNICATION AND LANGUAGE

KS1

- **sl1** listen and respond appropriately to adults and their peers
- **sl2** ask relevant questions to extend their understanding and knowledge
- **sl3** use relevant strategies to build their vocabulary
- **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

PSED & RELIGIOUS EDUCATION

PSED Preparing to play an active role as citizens KS1

- **pa5** Continue to develop empathy for others.
- **pa6** Recognise what is right and wrong.
- **pa7** Agree and follow rules for their group and classroom.
- **pa8** Know how to apologise and make amends.
- **pa9** Realise that people and other living things have needs.
- **pa10** Develop understanding of groups they belong to.
- **pa11** Contribute to the life of the class and school.

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

- **pc18** Take and share responsibility, for example, for their own behaviour.

- **pr15** Listen to other people, and play and work co-operatively.
- **pr16** Develop a caring attitude towards family, friends and each other.
- **pr17** Greet and talk with adults.
- **pr18** Develop positive relationships through work and play.
- **pr19** Be able to ask for help from an 'appropriate' adult.

RE - Learning From Religion KS1

- **rf11** Reflect on and consider religious experiences such as thanks and joy.
- **rf12** Ask puzzling questions and respond accordingly.
- **rf15** Recognise that religious teaching and ideas make a difference to individuals and families.

Learning About Religion KS1

On the Arctic Tundra (Y1T3) - Stage Coverage

UNDERSTANDING THE WORLD

Working scientifically **KS1**

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Location knowledge **KS1**

- **ge1** name and locate the world's seven continents
- **ge2** name and locate the world's five oceans

Place knowledge **KS1**

- **ge9** understand geographical similarities and differences through studying the human and physical geography of a small area in a contrasting non-European country

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

use basic geographical vocabulary to refer to: **KS1**

- **ge14** key physical features, including: beach, cliff, coast, forest, hill, mountain, sea, ocean, river, soil, valley, vegetation, season and weather

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

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KS1

- **co3** understand that programs execute by following precise and unambiguous instructions
- **co11** use technology safely and respectfully
- **co12** keep personal information private
- **co13** know where to go for help and support when they have concerns about material on the internet

PHYSICAL EDUCATION

KS1

- **pe1.2** master basic movements including throwing and catching
- **pe1.5** master basic movements and begin to apply these in a range of activities
- **pe3** perform dances using simple movement patterns.

LITERACY

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Learning About Religion **KS1**

- **ra6** Explore a range of religious stories.
- **ra9** Name and explore a range of worship styles.

