



Wow Starter: Superhero Fact or fiction?
(Whole school investigation into what is or who is a superhero)

Final Event: Super Hero Day



UNDERSTANDING THE WORLD

Working scientifically LKS2

- sc31** During years 3 and 4, pupils should be taught to use the following practical scientific methods, processes and skills through the teaching of the programme of study content:
 - sc34** making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers
 - 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
 - sc39** identifying differences, similarities or changes related to simple scientific ideas and processes

Rocks LKS2

- sc47** compare and group together different kinds of rocks on the basis of their appearance and simple physical properties
- sc48** describe in simple terms how fossils are formed when things that have lived are trapped within rock
- sc49** recognise that soils are made from rocks and organic matter.

Electricity LKS2

- sc75** identify common appliances that run on electricity
- sc76** construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers

Identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery

- sc78** recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit
- sc79** recognise some common conductors and insulators, and associate metals with being good conductors.

Core Skills across the Key Stage LKS2

- hi18 I** can place events, people and changes into correct periods of time (British, local and world history)
- hi20 I** can recognise similarities and differences between periods of time
- hi21 I** can use a range of appropriate historical vocabulary including abstract terms such as 'empire' or 'peasantry'
- hi22 I** can ask and answer questions about change and cause and effect
- hi23** can ask and answer questions about similarities and differences and their significance
- hi25 I** can produce structured work from an appropriate range of resources relevant to the focus of enquiry
- hi26** can use sources of information, including ICT, to find out about events, people and changes in the past
- hi27 I** understand that the same event in the past can be interpreted or represented differently by different people
- hi29 I** have studied changes in Britain from the Stone Age to the Iron Age

EXPRESSIVE ARTS AND DESIGN

LKS2

- ad10** I can show in my sketch book how I have developed techniques and ideas
- ad11** I can describe the range of materials I have used since being in KS1
- 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

Design LKS2

- dt28** I can communicate my ideas through cross-sectional and exploding diagrams
- dt29** I can make a model of my design

Make LKS2

- dt32** I can select and use appropriate tools and techniques for my product
- dt33** I can measure, mark, cut and shape a range of materials accurately
- dt34** I can join, assemble and combine components with precision
- dt35** I can use appropriate finishing techniques to strengthen and improve the appearance of my product
- dt37** I can discuss the aesthetic qualities of my product in relation to the properties of the materials etc I am intending to use

Evaluate LKS2

- dt40** I have asked for the views of others, especially the intended users, to help to improve my design

Technical knowledge LKS2

- dt43** I can strengthen, stiffen and reinforce more complex structures
- dt47** I can use series circuits incorporating switches, bulbs, buzzers and motors

LKS2

- mu11** I can sing in a group, or on my own, with expression, awareness of others and in tune
- mu12** I can play instruments with accuracy and control
- 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
- mu16** I can listen carefully and perform accurately from memory
- mu17** I can perform from simple, standard notation
- mu19** I can describe, compare and evaluate different kinds of music
- mu20** I can identify music from different traditions
- mu21** I can talk about some famous composers and musicians and express my opinions of their music using appropriate vocabulary

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.
- pa27** Know when to compromise.
- pa28** Identify reasons about why rules are needed.
- pa29** Understand there are consequences when

ph15 Behave safely and responsibly in different situations.

ph16 Follow school rules about health and safety, basic emergency aid procedures and where to get help.

ph17 Extend strategies to cope with risky situations.

PSED Developing good relationships and respecting the differences between people LKS2

- ph15** Behave safely and responsibly in different situations.
- ph16** Follow school rules about health and safety, basic emergency aid procedures and where to get help.
- ph17** Extend strategies to cope with risky situations.



OUTDOOR LEARNING

- Pantomime trip Theatre Royal
- Hatton Gallery visit
- Becoming a Human Rights Friendly School
- Children to research, decide on and run a project of their choice
- Investigating the use of Rocks around school. Identifying different types. Investigating soil in different areas of the school grounds.
- Show Racism the Red Card focus
- Visit to London and Parliament! Focus on Parliament and decision/law making Who are the different political parties?

MATHEMATICS AND COMPUTING

Number - number and place value LKS2

- m116** count in multiples of 6, 7, 9, 25 and 1000
- m117** find 1000 more or less than a given number
- m119** recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)
- m120** order and compare numbers beyond 1000
- m122** round any number to the nearest 10, 100 or 1000
- m123** solve number and practical problems that involve all of the above and with increasingly large positive numbers

Number - addition and subtraction LKS2

- m125** add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate
- m126** estimate and use inverse operations to check answers to a calculation
- m127** solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.

Number - multiplication and division LKS2

- m128** recall multiplication and division facts for multiplication tables up to 12×12
- 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.

Number - fractions (including decimals) LKS2

- m133** recognise and show, using diagrams, families of common equivalent fractions
- m134** count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.
- m135** solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number
- m136** add and subtract fractions with the same denominator
- m138** recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$

Geometry - properties of shapes LKS2

- m149** compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes
- m150** identify acute and obtuse angles and compare and order angles up to two right angles by size
- m151** identify lines of symmetry in 2-D shapes presented in different orientations
- m152** complete a simple symmetric figure with respect to a specific line of symmetry.

Statistics LKS2

- m159** solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.

LKS2

- co14** I can design, write and debug simple programs to control or simulate physical systems
- co15** I can solve problems by breaking them down into progressive steps
- co16** I am aware that programs follow a sequence from one instruction to the next
- co20** I can use a variety of inputs (keyboards/keypads/switches) to enter data into a program
- co21** I can write a program to produce a variety of outputs (screen displays/wheel movements/lights)
- co22** I can use logical reasoning to interpret how an algorithm works and thus rectify any errors
- co24** I can use search technologies effectively
- co25** I am aware that information from some sources may not be accurate
- co29** I know the rules for keeping safe on the internet and how to be a responsible internet user
- co30** 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

PHYSICAL EDUCATION

LKS2

- pe6.1** I can perform fluent gymnastics sequences to demonstrate my control and balance
- pe7** I can respond to music to create and perform dances, on my own or with a group, that incorporate a range of more complex, controlled and precise movements

Swimming and water safety LKS2

- pe10.1** I can swim unaided in a recognised style over a distance of 25m
- pe10.1** I can swim at least two strokes in a recognised style
- pe10.2** I can demonstrate self-rescue skills movements

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.

Reading - comprehension LKS2

- e137** develop positive attitudes to reading and understanding of what they read by:
 - e138** listening to and discussing a wide range of fiction, poetry, plays, non-fiction and reference books or textbooks

Writing - handwriting LKS2

- 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

Reading - word reading LKS2

- e159** use the first two or three letters of a word to check its spelling in a dictionary
- e160** write from memory simple sentences, dictated by the teacher, that include words and punctuation taught so far.

Historical Superheroes Y4 - Stage Coverage

UNDERSTANDING THE WORLD

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- **sc78** recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit
- **sc79** recognise some common conductors and insulators, and associate metals with being good conductors.

LKS2

- **hi18** Pupils should continue to develop a chronologically secure knowledge and understanding of British, local and world history
- **hi20** They should note connections, contrasts and trends over time
- **hi21** They should develop the appropriate use of historical terms.
- **hi22** They should regularly address and sometimes devise historically valid questions about change and cause,
- **hi23** They should regularly address and sometimes devise historically valid questions about similarity and difference and significance
- **hi25** They should construct informed responses that involve organisation of relevant historical information.
- **hi26** They should understand how our knowledge of the past is constructed from a range of sources
- **hi27** They should understand that different versions of past events may exist
- **hi29** changes in Britain from the Stone Age to the Iron Age

MATHEMATICS AND COMPUTING

Number - number and place value LKS2

- **m116** count in multiples of 6, 7, 9, 25 and 1000
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- **m120** order and compare numbers beyond 1000
- **m122** round any number to the nearest 10, 100 or 1000
- **m123** solve number and practical problems that involve all of the above and with increasingly large positive numbers

Number - addition and subtraction LKS2

- **m125** add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate
- **m126** estimate and use inverse operations to check answers to a calculation
- **m127** solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.

Number - multiplication and division LKS2

- **m128** recall multiplication and division facts for multiplication tables up to 12 × 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.

Number - fractions (including decimals) LKS2

- **m133** recognise and show, using diagrams, families of common equivalent fractions
- **m134** count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.
- **m135** solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number
- **m136** add and subtract fractions with the same denominator
- **m138** recognise and write decimal equivalents to 1/4, 1/2, 3/4
- **m139** find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths
- **m140** round decimals with one decimal place to the nearest whole number

Measurement LKS2

- **m143** Convert between different units of measure [for example, kilometre to metre; hour to minute]
- **m146** estimate, compare and calculate different measures, including money in pounds and pence

Geometry - properties of shapes LKS2

- **m149** compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes
- **m150** identify acute and obtuse angles and compare and order angles up to two right angles by size
- **m151** identify lines of symmetry in 2-D shapes presented in different orientations
- **m152** complete a simple symmetric figure with respect to a specific line of symmetry.

Statistics LKS2

- **m157** solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.

LKS2

- **co14** design, write and debug programs, controlling or simulating physical systems
- **co15** solve problems by decomposing them into

PHYSICAL EDUCATION

LKS2

- **pe6.1** develop flexibility, strength, technique, control and balance, for example gymnastics
- **pe7** perform dances using a range of movement patterns

Swimming and water safety LKS2

- **pe10** swim competently, confidently and proficiently over a distance of at least 25 metres
- **pe10.1** use a range of strokes effectively such as front crawl, backstroke and breaststroke
- **pe10.2** perform safe self-rescue in different water-based situations.

EXPRESSIVE ARTS AND DESIGN

LKS2

- **ad10** to create sketch books to record their observations and use them to review and revisit ideas
- **ad11** to improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials (e.g. pencil, charcoal, paint, clay)
- **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.

Design LKS2

- **dt28** generate, develop, model and communicate their ideas through cross-sectional and exploded diagrams
- **dt29** generate, develop, model and communicate their ideas through prototypes

Make LKS2

- **dt32** select from and use a wider range of tools and equipment to perform practical tasks
- **dt33** use a wider range of tools and equipment to perform practical tasks accurately
- **dt34** use a wider range of tools and equipment to perform practical tasks, such as joining accurately
- **dt35** select from and use a wider range of tools and equipment to perform practical tasks, such as finishing, accurately
- **dt37** select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their aesthetic qualities

Evaluate LKS2

- **dt40** evaluate their ideas and products against their own design criteria and consider the views of others to improve their work

Technical knowledge LKS2

- **dt43** apply their understanding of how to strengthen, stiffen and reinforce more complex structures
- **dt47** understand and use electrical systems in their products, such as series circuits incorporating switches, bulbs, buzzers and motors

LKS2

- **mu11** perform in solo and ensemble contexts, using their voices with increasing accuracy, fluency, control and expression
- **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
- **mu16** listen with attention to detail and recall sounds with increasing aural memory
- **mu17** understand staff and other musical notations
- **mu19** appreciate a wide range of high-quality live and recorded music
- **mu20** understand music drawn from different traditions
- **mu21** appreciate some great composers and musicians

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.

Reading - comprehension LKS2

- **e137** develop positive attitudes to reading and understanding of what they read by:
- **e138** listening to and discussing a wide range of fiction, poetry, plays, non-fiction and reference books or textbooks
- **e139** reading books that are structured in different ways and reading for a range of purposes
- **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
- **e144** discussing words and phrases that capture the reader's interest and imagination
- **e145** recognising some different forms of poetry [for example, free verse, narrative poetry]
- **e147** checking that the text makes sense to them, discussing their understanding and explaining the meaning of words in context
- **e148** asking questions to improve their understanding of a text
- **e149** drawing inferences such as inferring characters' feelings, thoughts and motives from their actions, and justifying inferences with evidence
- **e150** predicting what might happen from details stated and implied
- **e151** identifying main ideas drawn from more than one paragraph and summarising these
- **e152** identifying how language, structure, and presentation contribute to meaning
- **e154** participate in discussion about both books that are read to them and those they can read for themselves, taking turns and listening to what others say.

Writing - transcription - Spelling LKS2

- **e155** use further prefixes and suffixes and understand how to add them (English Appendix 1)
- **e156** spell further homophones
- **e157** spell words that are often misspelt (English Appendix 1)
- **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
- **e160** write from memory simple sentences, dictated by the teacher, that include words and punctuation taught so far.

Writing - handwriting LKS2

- **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].

Writing - composition LKS2

- **e163** plan their writing by:
- **e164** discussing writing similar to that which they are planning to write in order to understand and learn from its structure, vocabulary and grammar
- **e165** discussing and recording ideas
- **e166** draft and write by:
- **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)
- **e168** organising paragraphs around a theme
- **e169** in narratives, creating settings, characters and plot

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
- **fl2.1** link the spelling, sound and meaning of words
- **fl3** engage in conversations; ask and answer questions
- **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
- **fl11** describe people, places, things and actions orallyand in writing
- **fl12** understand basic grammar appropriate to the language being studied, including (where relevant): feminine, masculine and neuter forms
- **sl13** listen and respond appropriately to adults and their peers
- **sl14** ask relevant questions to extend their understanding and knowledge
- **sl16** articulate and justify answers, arguments and opinions
- **sl19** use spoken language to develop understanding through speculating, hypothesising, imagining and exploring ideas
- **sl21** participate in discussions, presentations, performances, role play, improvisations and debates
- **sl23** consider and evaluate different viewpoints, attending to and building on the contributions of others

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.
- **pa27** Know when to compromise.
- **pa28** Identify reasons about why rules are needed.
- **pa29** Understand there are consequences when rules are broken.
- **pa31** Understand that there are responsibilities as well as rights.
- **pa32** To realise the consequences of anti social and aggressive behaviours, such as bullying and racism, on individuals and communities.

PSED Developing confidence and responsibility and making the most of their abilities LKS2

- **pc29** Able to explain their views on issues that affect the school environment.
- **pc32** Identify the range of skills needed in different jobs.

PSED Developing a healthy, safer lifestyle LKS2

- **ph15** Behave safely and responsibly in different situations.
- **ph16** Follow school rules about health and safety, basic emergency aid procedures and where to get help.
- **ph17** Extend strategies to cope with risky situations.

PSED Developing good relationships and respecting the differences between people LKS2

- **pr28** Empathise with the lives of people living in other places and times, and people with different values and customs.

RE - Learning From Religion LKS2

- **rt26** Identify how commitment to a religion is shown in a variety of ways.

Learning About Religion LKS2

- **ra27** Describe the variety of practices and ways of life in religions.
- **ra28** Identify and describe the similarities in religions.
- **ra30** Consider the meaning of a range of forms of religious expression.

