



Wow Starter: Mysterious metal objects found on the beach...

Final Event: We will be using circuits to create our very own Iron Man with flashing eyes.

MATHEMATICS AND COMPUTING

Measurement LKS2

- m104 measure the perimeter of simple 2-D shapes

Geometry - properties of shapes LKS2

- m110 draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them
- m111 recognise angles as a property of shape or a description of a turn

- m112 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
- m113 identify horizontal and vertical lines and pairs of perpendicular and parallel lines.

PHYSICAL EDUCATION

LKS2

- pe4 I can tell you how I have developed my athletic skills, and which is strongest and which athletics events I prefer
- pe6 I can identify the techniques I need to practice to improve my strength and performance in athletic activities

- pe9 I can show you my record of sporting performances
- pe9.1 I can show you how I have improved in different activities over time
- pe9.2 I can tell you my personal best in a particular activity and my aspirations for the future

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
- e140 using dictionaries to check the meaning of words that they have read
- 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]
- e146 understand what they read, in books they can read independently, by:
- e148 asking questions to improve their understanding of a text
- e149 drawing inferences such as inferring characters' feelings, thoughts and motives from

Writing - transcription - Spelling LKS2

- e156 spell further homophones

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
- e170 in non-narrative material, using simple organisational devices [for example, headings and sub-headings]

Writing - vocabulary, grammar and punctuation LKS2

Drawing 2D Shapes and making 3D shapes using modelling materials to create inventions.
Recognising and describing 3D shapes in different orientations.
Measuring perimeter of 2D shapes outside.
Identifying horizontal and vertical lines and pairs of perpendicular and parallel in relation to art.
Recognise angles as property of shape or description of a turn and identify right angles, linked to programming.

Think about the properties of different materials. What might have happened if the 'Iron Man' was made of wood, plastic, fabric or jelly?
Plan an experiment to test the strength of different materials.

Astronomers spot the growing star in the Constellation of Orion. Can you find any other constellations?

To use the eight points of a compass, four figure grid-references, symbols and key to build their knowledge of the United Kingdom and the wider world.

Citizenship/Philosophy

Planet Earth has been destroyed by mankind. Why? You need to help to re build the Earth.

Re purposing and Reusing materials.

The Iron Man helps the world to become more peaceful. Think of ways that we can help to encourage people and countries to live more peacefully alongside each other.

RE - Sikhism.

Marvellous Materials

Athletics- running, jumping, throwing.

The Iron man .

Annotated drawings.
Recounts (diary entries)
Persuasive letter.
List poetry
Questions
Newspaper report

SPAG : Homophones.
Prefixes and suffixes.
Possessive apostrophe.

5 minute look, say, cover, write, check of 200 high frequency words.

Chn create junk models in the role play area.
Charcoal portraits of the Iron Man
Chn use craft materials to create a life-size robot.

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:
- sc32 asking relevant questions and using different types of scientific enquiries to answer them
- 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

- sc40 using straightforward scientific evidence to answer questions or to support their findings.

Forces and magnets LKS2

- sc55 compare how things move on different surfaces
- sc56 notice that some forces need contact between two objects, but magnetic forces can act at a distance
- sc57 observe how magnets attract or repel each other and attract some materials and not others
- sc58 compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials
- sc59 describe magnets as having two poles
- sc60 predict whether two magnets will attract or repel each other, depending on which poles are facing.

PSED & RELIGIOUS EDUCATION

- PSED Developing good relationships and respecting the differences between people LKS2
- pr25 Understand that their actions affect themselves and others.

Learning About Religion LKS2

- ra20 Begin to describe the variety of practices and ways of life in religions.

COMMUNICATION AND LANGUAGE

LKS2

- 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
- sl17 give well-structured descriptions, explanations and narratives for different purposes, including for expressing feelings
- sl18 maintain attention and participate actively in collaborative conversations, staying on topic and initiating and responding to comments

- sl19 use spoken language to develop understanding through speculating, hypothesising, imagining and exploring ideas
- sl20 speak audibly and fluently with an increasing command of Standard English
- sl21 participate in discussions, presentations, performances, role play, improvisations and debates
- sl22 gain, maintain and monitor the interest of the listener(s)
- sl24 select and use appropriate registers for effective communication.

EXPRESSIVE ARTS AND DESIGN

LKS2

- ad11 I can describe the range of materials I have used since being in KS1

Design LKS2

- dt29 I can make a model of my design
- dt30 I can make pattern pieces for 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

Evaluate LKS2

- dt38 I can talk about existing products similar to my own

Technical knowledge LKS2

- dt43 I can strengthen, stiffen and reinforce more complex structures

LKS2

- mu19 I can describe, compare and evaluate different kinds of music
- mu21 I can talk about some famous composers and musicians and express my opinions of their music using appropriate vocabulary
- mu22 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