

Year 3 curriculum information

A year 3 scientist

Working scientifically (Y3 and Y4)

- I can ask relevant scientific questions.
- I can use observations and knowledge to answer scientific questions.
- I can set up a simple enquiry to explore a scientific question.
- I can set up a test to compare two things.
- I can set up a fair test and explain why it is fair.
- I can make careful and accurate observations, including the use of standard units.
- I can use equipment, including thermometers and data loggers to make measurements.
- I can gather, record, classify and present data in different ways to answer scientific questions.
- I can use diagrams, keys, bar charts and tables; using scientific language.
- I can use findings to report in different ways, including oral and written explanations, presentation.
- I can draw conclusions and suggest improvements.
- I can make a prediction with a reason.
- I can identify differences, similarities and changes related to an enquiry.
- *The 'Working scientifically' statements above are taught across year 3 and 4. Some of these statements will be taught in year 4.*

Biology

Plants

- I can describe the function of different parts of flowing plants and trees.
- I can explore and describe the needs of different plants for survival.
- I can explore and describe how water is transported within plants.
- I can describe the plant life cycle, especially the importance of flowers.

Animals, including humans

- I can explain the importance of a nutritious, balanced diet.
- I can explain how nutrients, water and oxygen are transported within animals and humans.
- I can describe and explain the skeletal system of a human.
- I can describe and explain the muscular system of a human.
- I can describe the purpose of the skeleton in humans and animals.

Chemistry

Rocks

- I can compare and group rocks based on their appearance and physical properties, giving a reason.
- I can describe how fossils are formed.
- I can describe how soil is made.
- I can describe and explain the difference between sedimentary and igneous rock.

Physics

Light

- I can describe what dark is (the absence of light).
- I can explain that light is needed in order to see.
- I can explain that light is reflected from a surface.
- I can explain and demonstrate how a shadow is formed.
- I can explore shadow size and explain.
- I can explain the danger of direct sunlight and describe how to keep protected.

Forces and magnets

- I can explore and describe how objects move on different surfaces.
- I can explain how some forces require contact and some do not, giving examples.
- I can explore and explain how objects attract and repel in relation to objects and other magnets.
- I can predict whether objects will be magnetic and carry out an enquiry to test this out.
- I can describe how magnets work.
- I can predict whether magnets will attract or repel and give a reason.

A year 3 historian

- I can describe events from the past using dates when things happened.
- I can use a timeline within a specific period of history to set out the order that things may have happened.
- I can use my mathematical knowledge to work out how long ago events happened.
- I can explain some of the times when Britain has been invaded.
- I can use research skills to find answers to specific historical questions.
- I can research in order to find similarities and differences between two or more periods of history.

A year 3 geographer

- I can use the correct geographical words to describe a place.
- I can use some basic Ordnance Survey map symbols.
- I can use grid references on a map.
- I can use an atlas by using the index to find places.
- I can name a number of countries in the northern hemisphere.
- I can name and locate the capital cities of neighbouring European countries.

A year 3 artist

- I can show facial expressions in my art.
- I can use sketches to produce a final piece of art.
- I can use different grades of pencil to shade and to show different tones and textures.
- I can create a background using a wash.
- I can use a range of brushes to create different effects in painting.
- I can identify the techniques used by different artists.
- I can compare the work of different artists.
- I recognise when art is from different cultures.
- I recognise when art is from different historical periods.

A year 3 designer

- I can prove that my design meets some set criteria.
- I can follow a step-by-step plan, choosing the right equipment and materials.
- I can design a product and make sure that it looks attractive.
- I can choose a material for both its suitability and its appearance.
- I can select the most appropriate tools and techniques for a given task.
- I can work accurately to measure, make cuts and make holes.
- I can describe how food ingredients come together.

A year 3 musician

- I can sing a tune with expression.
- I can play clear notes on instruments.
- I can use different elements in my composition.
- I can create repeated patterns with different instruments.
- I can compose melodies and songs.
- I can create accompaniments for tunes.
- I can combine different sounds to create a specific mood or feeling.
- I can use musical words to describe a piece of music and compositions.
- I can use musical words to describe what I like and do not like about a piece of music.
- I can recognise the work of at least one famous composer.
- I can improve my work; explaining how it has been improved.

A year 3 sports person

Games

- I can throw and catch with control.
- I am aware of space and use it to support team-mates and to cause problems for the opposition.
- I know and use rules fairly.

Gymnastics

- I can adapt sequences to suit different types of apparatus and criteria.
- I can explain how strength and suppleness affect performance.
- I can compare and contrast gymnastic sequences.

Dance

- I can improvise freely and translate ideas from a stimulus into movement.
- I can share and create phrases with a partner and small group.
- I can repeat, remember and perform phrases.

Athletics

- I can run at fast, medium and slow speeds; changing speed and direction.
- I can take part in a relay, remembering when to run and what to do.

Outdoor and adventurous

- I can follow a map in a familiar context.
- I can use clues to follow a route.
- I can follow a route safely.

A year 3 computer user

Algorithms and programming

- I can design a sequence of instructions, including directional instructions.
- I can write programs that accomplish specific goals.
- I can work with various forms of input.
- I can work with various forms of output.

Information technology

- I can use a range of software for similar purposes.
- I can collect information.
- I can design and create content.
- I can present information.
- I can search for information on the web in different ways.
- I can manipulate and improve digital images.

Digital literacy

- I use technology respectfully and responsibly.
- I know different ways I can get help if I am concerned.
- I understand what computer networks do and how they provide multiple services.
- I can discern where it is best to use technology and where it adds little or no value.

A year 3/4 international speaker

Spoken language

- I can name and describe people.
- I can name and describe a place.
- I can name and describe an object.
- I can have a short conversation saying 3-4 things.
- I can give a response using a short phrase.
- I am starting to speak in sentences.

Reading

- I can read and understand a short passage using familiar language.
- I can explain the main points in a short passage.
- I can read a passage independently.
- I can use a bilingual dictionary or glossary to look up new words.

Writing

- I can write phrases from memory.
- I can write 2-3 short sentences on a familiar topic.
- I can say what I like/dislike about a familiar topic.

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