

Everyday Materials

10 Programmes of study, 10 skills and 15 knowledge statements

☒ Hide

Year 1

Driver subject

Science

Gather & record data

Identify & classify

Investigation

Measurement

Observation

Physical things

Properties and uses

Questioning

Report and conclude



- Y1

> Ask simple questions and recognise that they can be answered in different ways.
- Y1

> Observe closely, using simple equipment.
- Y1

> Perform simple tests.
- Y1

> Identify and classify.
- Y1

> Use their observations and ideas to suggest answers to questions.
- Y1

> Gather and record data to help in answering questions.
- Y1

> Distinguish between an object and the material from which it is made.
- Y1

> Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock.
- Y1

> Describe the simple physical properties of a variety of everyday materials.
- Y1

> Compare and group together a variety of everyday materials on the basis of their simple physical properties.

Shade and Shelter

2 Programmes of study, 2 skills and 1 knowledge statement

Year 1

Driver subject

Design and technology

Identify & classify



- Y1

> Distinguish between an object and the material from which it is made.
- Y1

> Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock.

Human Senses

10 Programmes of study, 10 skills and 14 knowledge statements

☐ Expand

Year 1

Driver subject

Science

Gather & record data

Human body

Identify & classify

Investigation

Measurement

Observation

Parts and functions

Questioning

Report and conclude

Staying safe



- Y1

> Ask simple questions and recognise that they can be answered in different ways.
- Y1

> Observe closely, using simple equipment.
- Y1

> Perform simple tests.
- Y1

> Identify and classify.
- Y1

> Use their observations and ideas to suggest answers to questions.
- Y1

> Gather and record data to help in answering questions.



Bright Lights, Big City

1 Programme of study, 1 skills and 1 knowledge statement

Year 1 Driver subject Geography Observation



Y1 > Identify and classify.

Seasonal Changes

11 Programmes of study, 14 skills and 23 knowledge statements

Year 1 Driver subject Science Changes Earth Forces Gather & record data Habitats Identify & classify Investigation Living things Measurement Observation Pattern seeking Questioning Report and conclude Staying safe



- Y1 > Ask simple questions and recognise that they can be answered in different ways.
- Y1 > Observe closely, using simple equipment.
- Y1 > Perform simple tests.
- Y1 > Identify and classify.
- Y1 > Use their observations and ideas to suggest answers to questions.
- Y1 > Gather and record data to help in answering questions.

Expand

Plant Parts

9 Programmes of study, 10 skills and 16 knowledge statements

Year 1 Driver subject Science Gather & record data Habitats Identify & classify Living things Measurement Observation Parts and functions Questioning Report and conclude Survival



- Y1 > Ask simple questions and recognise that they can be answered in different ways.
- Y1 > Observe closely, using simple equipment.
- Y1 > Identify and classify.
- Y1 > Use their observations and ideas to suggest answers to questions.
- Y1 > Gather and record data to help in answering questions.
- Y1 > Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees.

Expand

Chop, Slice and Mash

1 Programme of study, 1 skills and 1 knowledge statement

Year 1 Driver subject Design and technology Healthy lifestyle



Y1 > Are equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future.

Animal Parts

10 Programmes of study, 10 skills and 16 knowledge statements

Year 1 Driver subject Science Gather & record data Identify & classify Investigation Measurement Nutrition Observation Parts and functions Questioning Report and conclude Survival



- Y1 > Ask simple questions and recognise that they can be answered in different ways.
- Y1 > Observe closely, using simple equipment.
- Y1 > Perform simple tests.
- Y1 > Identify and classify.
- Y1 > Use their observations and ideas to suggest answers to questions.
- Y1 > Gather and record data to help in answering questions.

Expand

Human Survival

9 Programmes of study, 9 skills and 17 knowledge statements

Year 2 Driver subject Science Gather & record data Healthy lifestyle Human body Investigation Measurement Observation Questioning Report and conclude Staying safe



- Y2 > Ask simple questions and recognise that they can be answered in different ways.
- Y2 > Observe closely, using simple equipment.
- Y2 > Perform simple tests.
- Y2 > Identify and classify.
- Y2 > Use their observations and ideas to suggest answers to questions.
- Y2 > Gather and record data to help in answering questions.

Expand

Remarkable Recipes

1 Programme of study, 1 skills and 1 knowledge statement

Year 2 Driver subject Design and technology Identify & classify



- Y2 > Develop understanding of the nature, processes and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them.

Habitats

9 Programmes of study, 9 skills and 16 knowledge statements

Year 2 Driver subject Science Gather & record data Habitats Identify & classify Investigation Nutrition Observation Physical things Questioning Survival



- Y2 > Ask simple questions and recognise that they can be answered in different ways.
- Y2 > Perform simple tests.
- Y2 > Identify and classify.
- Y2 > Gather and record data to help in answering questions.
- Y2 > Explore and compare the differences between things that are living, dead, and things that have never been alive.
- Y2 > 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

Expand

Coastline

1 Programme of study, 1 skills and 1 knowledge statement

Year 2 Driver subject Geography Forces



- Y2 > Develop understanding of the nature, processes and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them.

Uses of Materials

8 Programmes of study, 8 skills and 14 knowledge statements

Year 2 Driver subject Science Changes Gather & record data Investigation Measurement Observation Properties and uses Questioning Report and conclude



- Y2 > Ask simple questions and recognise that they can be answered in different ways.
- Y2 > Observe closely, using simple equipment.
- Y2 > Perform simple tests.
- Y2 > Identify and classify.
- Y2 > Use their observations and ideas to suggest answers to questions.
- Y2 > Gather and record data to help in answering questions.

Expand

Plant Survival

10 Programmes of study, 10 skills and 13 knowledge statements

Year 2 Driver subject Science Gather & record data Habitats Identify & classify Investigation Living things Measurement Observation Parts and functions Questioning Report and conclude



- Y2 > Ask simple questions and recognise that they can be answered in different ways.
- Y2 > Observe closely, using simple equipment.
- Y2 > Perform simple tests.
- Y2 > Identify and classify.
- Y2 > Use their observations and ideas to suggest answers to questions.
- Y2 > Gather and record data to help in answering questions.

Expand

Animal Survival

10 Programmes of study, 10 skills and 18 knowledge statements

Year 2 Driver subject Science Gather & record data Habitats Identify & classify Nutrition Pattern seeking Properties and uses Questioning Report and conclude Survival



- Y2 > Ask simple questions and recognise that they can be answered in different ways.
- Y2 > Use their observations and ideas to suggest answers to questions.
- Y2 > Gather and record data to help in answering questions.
- Y2 > 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.
- Y2 > Identify and name a variety of plants and animals in their habitats, including microhabitats.

Expand

Push and Pull

1 Programme of study, 1 skills and 1 knowledge statement

Year 2 Driver subject Design and technology Modelling



- Y2 > Develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics.

Animal Nutrition and the Skeletal System

13 Programmes of study, 15 skills and 19 knowledge statements

Year 3 Driver subject Science Gather & record data Healthy lifestyle Human body Identify & classify Investigation Nutrition Observation Parts and functions Questioning Report and conclude Survival



- Y3 > Ask relevant questions and using different types of scientific enquiries to answer them.
- Y3 > Set up simple practical enquiries, comparative and fair tests.
- Y3 > Make systematic and careful observations and, where appropriate, take accurate measurements using standard units, using a range of equipment, including thermometers and data loggers.
- Y3 > Gather, record, classify and present data in a variety of ways to help in answering questions.
- Y3 > Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables.
- Y3 > Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.

Expand

Cook Well, Eatwell

1 Programme of study, 1 skills and 1 knowledge statement

Year 3 Driver subject Design and technology Healthy lifestyle



- Y3 > Identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat.

Rocks, Relics and Rumbles

3 Programmes of study, 3 skills and 3 knowledge statements

Year 3 Driver subject Geography Changes Earth Properties and uses



- Y3 > Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties.
- Y3 > Describe in simple terms how fossils are formed when things that have lived are trapped within rock.
- Y3 > Recognise that soils are made from rocks and organic matter.

Forces and Magnets

15 Programmes of study, 16 skills and 20 knowledge statements

Year 3 Driver subject Science Forces Gather & record data Investigation Measurement Observation Phenomena Physical things Properties and uses Questioning Report and conclude

Expand



- Y3 > Ask relevant questions and using different types of scientific enquiries to answer them.
- Y3 > Set up simple practical enquiries, comparative and fair tests.
- Y3 > Make systematic and careful observations and, where appropriate, take accurate measurements using standard units, using a range of equipment, including thermometers and data loggers.
- Y3 > Gather, record, classify and present data in a variety of ways to help in answering questions.
- Y3 > Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables.
- Y3 > Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.

Making It Move

1 Programme of study, 1 skills

Year 3 Driver subject Design and technology Modelling



- Y3 > Are equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future.

Plant Nutrition and Reproduction

13 Programmes of study, 14 skills and 18 knowledge statements

Year 3 Driver subject Science Gather & record data Investigation Living things Measurement Observation Parts and functions Questioning Report and conclude Survival



- Y3 > Ask relevant questions and using different types of scientific enquiries to answer them.
- Y3 > Set up simple practical enquiries, comparative and fair tests.
- Y3 > Make systematic and careful observations and, where appropriate, take accurate measurements using standard units, using a range of equipment, including thermometers and data loggers.
- Y3 > Gather, record, classify and present data in a variety of ways to help in answering questions.
- Y3 > Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables.
- Y3 > Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.

Light and Shadows

14 Programmes of study, 15 skills and 17 knowledge statements

Year 3 Driver subject Science Gather & record data Identify & classify Investigation Measurement Observation Pattern seeking Phenomena Questioning Report and conclude Staying safe



- Y3 > Ask relevant questions and using different types of scientific enquiries to answer them.
- Y3 > Set up simple practical enquiries, comparative and fair tests.
- Y3 > Make systematic and careful observations and, where appropriate, take accurate measurements using standard units, using a range of equipment, including thermometers and data loggers.
- Y3 > Gather, record, classify and present data in a variety of ways to help in answering questions.
- Y3 > Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables.
- Y3 > Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.

Food and the Digestive System

14 Programmes of study, 15 skills and 17 knowledge statements

Year 4 Driver subject Science Gather & record data Healthy lifestyle Human body Investigation Living things Measurement Nutrition Observation Parts and functions Questioning Report and conclude



- Y4 > Ask relevant questions and using different types of scientific enquiries to answer them.
- Y4 > Set up simple practical enquiries, comparative and fair tests.
- Y4 > Make systematic and careful observations and, where appropriate, take accurate measurements using standard units, using a range of equipment, including thermometers and data loggers.
- Y4 > Gather, record, classify and present data in a variety of ways to help in answering questions.
- Y4 > Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables.
- Y4 > Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.

Sound

12 Programmes of study, 12 skills and 14 knowledge statements

☐ Expand

Year 4 Driver subject Science Gather & record data Investigation Pattern seeking Phenomena Questioning Report and conclude



- Y4 > Ask relevant questions and using different types of scientific enquiries to answer them.
- Y4 > Set up simple practical enquiries, comparative and fair tests.
- Y4 > Gather, record, classify and present data in a variety of ways to help in answering questions.
- Y4 > Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables.
- Y4 > Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.
- Y4 > Use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions.

Misty Mountain, Winding River

2 Programmes of study, 2 skills and 2 knowledge statements

Year 4 Driver subject Geography Earth Habitats



- Y4 > Recognise that environments can change and that this can sometimes pose dangers to living things.
- Y4 > Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.

States of Matter

10 Programmes of study, 11 skills and 13 knowledge statements

☐ Expand

Year 4 Driver subject Science Changes Gather & record data Identify & classify Investigation Measurement Observation Report and conclude



- Y4 > Set up simple practical enquiries, comparative and fair tests.
- Y4 > Make systematic and careful observations and, where appropriate, take accurate measurements using standard units, using a range of equipment, including thermometers and data loggers.
- Y4 > Gather, record, classify and present data in a variety of ways to help in answering questions.
- Y4 > Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables.
- Y4 > Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.
- Y4 > Use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions.

Grouping and Classifying

10 Programmes of study, 10 skills and 11 knowledge statements

☐ Expand

Year 4 Driver subject Science Gather & record data Identify & classify Observation Questioning Report and conclude



- Y4 > Ask relevant questions and using different types of scientific enquiries to answer them.
- Y4 > Make systematic and careful observations and, where appropriate, take accurate measurements using standard units, using a range of equipment, including thermometers and data loggers.
- Y4 > Gather, record, classify and present data in a variety of ways to help in answering questions.
- Y4 > Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables.
- Y4 > Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.
- Y4 > Use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions.

Electrical Circuits and Conductors

15 Programmes of study, 15 skills and 14 knowledge statements

Year 4 Driver subject Science Forces Gather & record data Investigation Modelling Observation Physical things Properties and uses Questioning Report and conclude Staying safe



- Y4 > Ask relevant questions and using different types of scientific enquiries to answer them.
- Y4 > Set up simple practical enquiries, comparative and fair tests.
- Y4 > Make systematic and careful observations and, where appropriate, take accurate measurements using standard units, using a range of equipment, including thermometers and data loggers.
- Y4 > Gather, record, classify and present data in a variety of ways to help in answering questions.
- Y4 > Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables.
- Y4 > Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.

Forces and Mechanisms

9 Programmes of study, 11 skills and 21 knowledge statements

Year 5 Driver subject Science Forces Gather & record data Investigation Measurement Modelling Observation Phenomena Questioning Report and conclude



- Y5 > Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.
- Y5 > Take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate.
- Y5 > Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.
- Y5 > Use test results to make predictions to set up further comparative and fair tests.
- Y5 > Report and present findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations.
- Y5 > Identify scientific evidence that has been used to support or refute ideas or arguments.

Earth and Space

8 Programmes of study, 8 skills and 14 knowledge statements

Year 5 Driver subject Science Earth Pattern seeking Phenomena Questioning Report and conclude



- Y5 > Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.
- Y5 > Use test results to make predictions to set up further comparative and fair tests.
- Y5 > Report and present findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations.
- Y5 > Identify scientific evidence that has been used to support or refute ideas or arguments.
- Y5 > Describe the movement of the Earth, and other planets, relative to the Sun in the solar system.
- Y5 > Describe the movement of the Moon relative to the Earth.

Sow, Grow and Farm

5 Programmes of study, 7 skills and 9 knowledge statements

Year 5 Driver subject Geography Habitats Identify & classify Investigation Nutrition Parts and functions Physical things Survival



- Y5 > Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.
- Y5 > Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird.
- Y5 > Describe the life process of reproduction in some plants and animals.
- Y5 > Develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics.
- Y5 > Are equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future.

Human Reproduction and Ageing

10 Programmes of study, 13 skills and 22 knowledge statements

Year 5 Driver subject Science Gather & record data Healthy lifestyle Human body Investigation Living things Measurement Observation Physical things Questioning Report and conclude Survival



- Y5 > Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.
- Y5 > Take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate.
- Y5 > Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.
- Y5 > Use test results to make predictions to set up further comparative and fair tests.
- Y5 > Report and present findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations.
- Y5 > Identify scientific evidence that has been used to support or refute ideas or arguments.

Properties and Changes of Materials

13 Programmes of study, 15 skills and 19 knowledge statements

Year 5 Driver subject Science Changes Gather & record data Identify & classify Investigation Measurement Observation Properties and uses Questioning Report and conclude Staying safe



- Y5 > Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.
- Y5 > Take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate.
- Y5 > Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.
- Y5 > Use test results to make predictions to set up further comparative and fair tests.
- Y5 > Report and present findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations.
- Y5 > Identify scientific evidence that has been used to support or refute ideas or arguments.

Circulatory System

9 Programmes of study, 11 skills and 19 knowledge statements

Year 6 Driver subject Science Gather & record data Healthy lifestyle Human body Investigation Measurement Nutrition Observation Questioning Report and conclude



- Y6 > Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.
- Y6 > Take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate.
- Y6 > Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.
- Y6 > Use test results to make predictions to set up further comparative and fair tests.
- Y6 > Report and present findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations.
- Y6 > Identify scientific evidence that has been used to support or refute ideas or arguments.

Frozen Kingdoms

4 Programmes of study, 6 skills and 6 knowledge statements

Year 6 Driver subject Geography Habitats Identify & classify Investigation Questioning Survival



- Y6 > Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.
- Y6 > Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants and animals.
- Y6 > Give reasons for classifying plants and animals based on specific characteristics.
- Y6 > Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.

Electrical Circuits and Components

9 Programmes of study, 11 skills and 12 knowledge statements

Year 6 Driver subject Science Forces Gather & record data Investigation Measurement Modelling Observation Phenomena Questioning Report and conclude



- Y6 > Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.
- Y6 > Take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate.
- Y6 > Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.
- Y6 > Use test results to make predictions to set up further comparative and fair tests.
- Y6 > Report and present findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations.
- Y6 > Identify scientific evidence that has been used to support or refute ideas or arguments.

Light Theory

12 Programmes of study, 16 skills and 18 knowledge statements

Year 6 Driver subject Science Earth Gather & record data Investigation Measurement Observation Pattern seeking Phenomena Properties and uses Questioning Report and conclude Staying safe



- Y6 > Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.
- Y6 > Take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate.
- Y6 > Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.
- Y6 > Use test results to make predictions to set up further comparative and fair tests.
- Y6 > Report and present findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations.
- Y6 > Identify scientific evidence that has been used to support or refute ideas or arguments.

Evolution and Inheritance

11 Programmes of study, 14 skills and 17 knowledge statements

Expand

- Year 6
- Driver subject
- Science
- Changes
- Gather & record data
- Habitats
- Identify & classify
- Investigation
- Living things
- Measurement
- Parts and functions
- Questioning
- Report and conclude
- Survival



- Y6
- >
- Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.
- Y6
- >
- Take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate.
- Y6
- >
- Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.
- Y6
- >
- Use test results to make predictions to set up further comparative and fair tests.
- Y6
- >
- Report and present findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations.
- Y6
- >
- Identify scientific evidence that has been used to support or refute ideas or arguments.