

Key

- *Italic text signifies objectives which do not appear in the single-age version of this unit but have been added to create a coherent mixed-age unit*
 - Smaller font indicates objectives which do appear in the single-age version of this unit, but which are addressed elsewhere within the mixed-age units
 - **Bold font indicates 'End-of-year' objectives.**
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Block C: Handling data and measures
Unit 1 – 10 days

Year 2

Follow a line of enquiry; answer questions by choosing and using suitable equipment and selecting, organising and presenting information in lists, tables and simple diagrams

Read the numbered divisions on a scale and interpret the divisions between them (e.g. on a scale from 0 to 25 with intervals of 1 shown but only the divisions 0, 5, 10, 15 and 20 numbered); use a ruler to draw and measure lines to the nearest centimetre

Year 3

Follow a line of enquiry by deciding what information is important; make and use lists, tables and graphs to organise and interpret the information

Know the relationships between kilometres and metres, metres and centimetres, kilograms and grams, litres and millilitres; choose and use appropriate units to estimate, measure and record measurements

Year 4

Suggest a line of enquiry and the strategy needed to follow it; collect, organise and interpret selected information to find answers

Report solutions to puzzles and problems, giving explanations and reasoning orally and in writing, using diagrams and symbols

Choose and use standard metric units and their abbreviations when estimating, measuring and recording length, weight and capacity; know the meaning of 'kilo', 'centi' and 'milli' and, where appropriate, use decimal notation to record measurements (e.g. 1.3m or 0.6kg)

Years 2 to 4 mixed-age objective planner

Estimate, compare and measure lengths, weights and capacities, choosing and using standard units (m, cm, kg, litre) and suitable measuring instruments

Read, to the nearest division and half-division, scales that are numbered or partially numbered; use the information to measure and draw to a suitable degree of accuracy

Interpret intervals and divisions on partially numbered scales and record readings accurately, where appropriate to the nearest tenth of a unit

Answer a question by collecting and recording data in lists and tables; represent the data as block graphs or pictograms to show results; use ICT to organise and present data

Answer a question by collecting, organising and interpreting data; use tally charts, frequency tables, pictograms and bar charts to represent results and illustrate observations; use ICT to create a simple bar chart

Answer a question by identifying what data to collect; organise, present, analyse and interpret the data in tables, diagrams, tally charts, pictograms and bar charts, using ICT where appropriate

Use lists, tables and diagrams to sort objects; explain choices using appropriate language, including 'not'

Use Venn diagrams or Carroll diagrams to sort data and objects using more than one criterion

Block C: Handling data and measures

Unit 2 – 10 days

Year 2

Follow a line of enquiry; answer questions by choosing and using suitable equipment and selecting, organising and presenting information in lists, tables and simple diagrams

Estimate, compare and measure lengths, weights and capacities, choosing and using standard units (m, cm, kg, litre) and suitable measuring instruments

Read the numbered divisions on a scale and interpret the divisions between them (e.g. on a scale from 0 to 25 with intervals of 1 shown but only the divisions 0, 5, 10, 15 and 20 numbered); use a ruler to draw and measure lines to the nearest centimetre

Year 3

Follow a line of enquiry by deciding what information is important; make and use lists, tables and graphs to organise and interpret the information

Know the relationships between kilometres and metres, metres and centimetres, kilograms and grams, litres and millilitres; choose and use appropriate units to estimate, measure and record measurements

Read, to the nearest division and half-division, scales that are numbered or partially numbered; use the information to measure and draw to a suitable degree of accuracy

Year 4

Suggest a line of enquiry and the strategy needed to follow it; collect, organise and interpret selected information to find answers

Report solutions to puzzles and problems, giving explanations and reasoning orally and in writing, using diagrams and symbols

Choose and use standard metric units and their abbreviations when estimating, measuring and recording length, weight and capacity; know the meaning of 'kilo', 'centi' and 'milli' and, where appropriate, use decimal notation to record measurements (e.g. 1.3m or 0.6kg)

Interpret intervals and divisions on partially numbered scales and record readings accurately, where appropriate to the nearest tenth of a unit

Years 2 to 4 mixed-age objective planner

Answer a question by collecting and recording data in lists and tables; represent the data as block graphs or pictograms to show results; use ICT to organise and present data

Use lists, tables and diagrams to sort objects; explain choices using appropriate language, including 'not'

Use units of time (seconds, minutes, hours, days) and know the relationships between them; read the time to the quarter hour; identify time intervals, including those that cross the hour

Answer a question by collecting, organising and interpreting data; use tally charts, frequency tables, pictograms and bar charts to represent results and illustrate observations; use ICT to create a simple bar chart

Use Venn diagrams or Carroll diagrams to sort data and objects using more than one criterion

Read the time on a 12-hour digital clock and to the nearest 5 minutes on an analogue clock; calculate time intervals and find start or end times for a given time interval

Answer a question by identifying what data to collect; organise, present, analyse and interpret the data in tables, diagrams, tally charts, pictograms and bar charts, using ICT where appropriate

Compare the impact of representations where scales have intervals of differing step size

Block C: Handling data and measures

Unit 3 – 10 days

Year 2

Follow a line of enquiry; answer questions by choosing and using suitable equipment and selecting, organising and presenting information in lists, tables and simple diagrams

Estimate, compare and measure lengths, weights and capacities, choosing and using standard units (m, cm, kg, litre) and suitable measuring instruments

Read the numbered divisions on a scale and interpret the divisions between them (e.g. on a scale from 0 to 25 with intervals of 1 shown but only the divisions 0, 5, 10, 15 and 20 numbered); use a ruler to draw and measure lines to the nearest centimetre

Answer a question by collecting and recording data in lists and tables; represent the data as block graphs or pictograms to

Year 3

Follow a line of enquiry by deciding what information is important; make and use lists, tables and graphs to organise and interpret the information

Describe and explain methods, choices and solutions to puzzles and problems, orally and in writing, using pictures and diagrams

Know the relationships between kilometres and metres, metres and centimetres, kilograms and grams, litres and millilitres; choose and use appropriate units to estimate, measure and record measurements

Read, to the nearest division and half-division, scales that are numbered or partially numbered; use the information to measure and draw to a suitable degree of accuracy

Answer a question by collecting, organising and interpreting data; use tally charts, frequency tables, pictograms and bar charts

Year 4

Suggest a line of enquiry and the strategy needed to follow it; collect, organise and interpret selected information to find answers

Report solutions to puzzles and problems, giving explanations and reasoning orally and in writing, using diagrams and symbols

Choose and use standard metric units and their abbreviations when estimating, measuring and recording length, weight and capacity; know the meaning of 'kilo', 'centi' and 'milli' and, where appropriate, use decimal notation to record measurements (e.g. 1.3m or 0.6kg)

Interpret intervals and divisions on partially numbered scales and record readings accurately, where appropriate to the nearest tenth of a unit

Answer a question by identifying what data to collect; organise, present, analyse and interpret the data in tables,

Years 2 to 4 mixed-age objective planner

show results; use ICT to organise and present data

Use lists, tables and diagrams to sort objects; explain choices using appropriate language, including 'not'

to represent results and illustrate observations; use ICT to create a simple bar chart

Use Venn diagrams or Carroll diagrams to sort data and objects using more than one criterion

diagrams, tally charts, pictograms and bar charts, using ICT where appropriate

Compare the impact of representations where scales have intervals of differing step size