

Programme of study for Measures including money

statutory requirements in bold, suggested steps in faint, **adult curriculum in green**

Step 1

Pupils will be given opportunities to recognise big and small things in meaningful contexts

Step 2

Pupils will begin to identify big and small objects on request

MSS1/M4.1 Demonstrate an interest in the size of objects in a collection

Begin to understand that things might happen now

Step 3

Pupils will be given opportunities to:

categorise objects according to size, and begin to use the language of size -

- *Big, Small*
- *Bigger, Smaller*
- *Tall, Short*
- *Little*

MSS1/M5.1 Describe a single attribute of an object, including

- Size, length, weight;
- on request, using simple vocabulary, including
- *Big, small, long, short*

MSS1/M6.1 With support, make direct statements about

- Size, length, weight, capacity of objects

Pupils will be supported to:

talk about immediate past and future e.g.

- *Before, Later, Soon*

anticipate specific time-based events such as

- *Meal times*
- *Play times*
- *Home time*

Step 4

Pupils will be given opportunities to practise the language of size

- *Big, Small,*
- *Bigger, Smaller,*
- *Tall, Short*
- *Taller, Shorter, shortest*
- *Little, Long*
- *Heavy, Light*
- *Full, Empty*

MSS1/M8.2 Describe and compare differences in size between two items, where the difference is marked, using a simple comparative vocabulary including

- *large, big, small*
- *larger, bigger, smaller*

MSS1/M8.3 Describe and compare the lengths and heights of two items, where the difference is marked, using a simple comparative vocabulary, including

1. *long, short, tall*
2. *longer, shorter, taller*

MSS1/M8.4 Describe and compare the weights of two items, where the difference is marked, using a simple comparative vocabulary, including

1. *heavy, light*
2. *heavier, lighter*

MSS1/M8.5 Describe and compare differences in

1. capacities
2. quantities

of two items, where the difference is marked, using a simple comparative vocabulary, including

1. *full, empty*
2. *holds more than, holds less than*
3. *has more, has less*

Understand some talk about immediate past and future e.g.

- *Before, after, Later, Soon*
- *Morning, Afternoon*

Step 5

Pupils will be taught to:

- **order two or three items by length or height**

MSS1/E1.3 Describe size and use direct comparisons for the size at least two items.

- **order two items by weight**

MSS1/E1.4 Describe weight and use direct comparisons for the weight of items

- *Groups objects into heavy and light*

use everyday language related to time

- *Morning, Afternoon*
- *Day time, Night time*
- *Yesterday, Tomorrow*
- *Minutes, Hours*

MSS1/M8.1 Relate familiar events to

1. *the names of the days of the week*
2. *the names of significant times in the day*

Order and sequence familiar events

- *Begin to understand now and then*
- *Begin to use schedules*

Measure short periods of time in simple ways

- *Use a variety of simple timers to measure a short period of time.*

Begin to use everyday language related to money

- *use money in their pretend play*
- *count out 1p coins*
- *pretend to pay a given amount and accept change (not calculated accurately)*
- *pay for snack*

MSS1/M6.3 Understand that coins and notes have value

Step 6

Pupils will be taught to:

- **Compare lengths and height**

- *Explore, sort and group objects that are long and short*
- *Notice differences in height*

[for example, long/short, longer/shorter, tall/short, double/half]

- **Compare large and small**

- *Explore, sort and group similar objects that are large and small*

MSS1/E1.3 Describe size and use direct comparisons for the size of at least two items.

- **Compare weight/ mass**

MSS1/E1.4 Describe weight and use direct comparisons for the weight of items

- *Explore, sort and group objects that are heavy and light*
- *Notice differences in weight*

[for example, heavy/light, heavier than, lighter than]

- **Compare capacity/ volume**

MSS1/E1.5 Describe capacity and use direct comparisons for the capacity of items

- *Explore a range of containers, sort containers that hold more or less*
- *Notice differences in capacity*

[for example, full/empty, more than, less than, half, half full, quarter]

- **Compare periods of time**

MSS1/E1.2 Relate familiar events to times of the day , days of the week ; seasons of the year

- *Shows an awareness of time passing*

[for example, quicker, slower, earlier, later]

- recognise and use language relating to dates, including days of the week,

- *know dates of significance, such as the month of their birthday*

– **know the days of the week and their order**

- **Compare coins and notes**

MSS1/E1.1 Recognise and select coins and notes

- *Explore a range of coins and notes (real and play)*
- *Sort coins and notes by appearance*
- *Notice differences between coins*

Step 7

Pupils will be taught to:

Refer to periods of time

MSS1/E1.2 Relate familiar events to times of the day , days of the week ; seasons of the year

- *Show an awareness of time passing*

[for example, quicker, slower, earlier, later]

- **tell the time to the hour and draw the hands on a clock face to show these times**
- **and half past the hour and draw the hands on a clock face to show these times**

Describe and identify coins and notes

MSS1/E1.1 Recognise and select coins and notes

- *Use money in everyday situations*

Describe lengths and height

MSS1/E1.3 Describe size and use direct comparisons for the size of at least two items

- *Explore, sort and group objects that are long and short*

[for example, long/short, longer/shorter, tall/short, double/half]

Describe weight/ mass

MSS1/E1.4 Describe weight and use direct comparisons for the weight of items

- *Explore, sort and group objects that are heavy and light*
- *Notice differences in weight*

[for example, heavy/light, heavier than, lighter than]

Describe capacity/ volume

MSS1/E1.5 Describe capacity and use direct comparisons for the capacity of items

- *Sort containers that hold more or less*
- *Notice differences in capacity*

[for example, full/empty, more than, less than, half, half full, quarter]

Step 8

Pupils will be taught to:

- **Recognise and know the value of different denominations of UK coins and notes**

MSS1/E1.1 Recognise and select coins and notes

- **Sequence events in chronological order using appropriate language.**

[for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]

MSS1/E1.2: - understand and use vocabulary related to the time of day, e.g. o'clock, midday, morning, afternoon

– understand that times are repeated in the 12-hour clock, and need to be qualified by morning or afternoon if the context is not obvious

Recount the months of the year in order

- know the months of the year in words and abbreviated forms
- know the months of the year in their numbered sequence, e.g. March is the third month
- understand the UK convention of writing the date in order of day, month, year

- **-Solve practical problems relating to size**

- **measure and begin to record lengths and heights using appropriate standard equipment**
- **-Solve practical problems relating to weight**
- **measure and begin to record mass/weight using appropriate standard equipment**
- **-Solve practical problems relating to capacity**
- **measure and begin to record capacity and volume using appropriate standard equipment**

Step 9

Pupils will be taught to:

- solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change

MSS1/E2.1 Make amounts of money up to £1 in different ways using 1p, 2p, 5p, 10p, 20p, and 50p coins

- Solve practical problems relating to time

measure and begin to record:

- hours, minutes, seconds
- weeks, months and years

understand the relationship between the months of the year, and that January follows December

- know the months of the year in words
- know the seasons of the year and their order

choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm);

MSS1/E2.6 read, estimate, measure and compare length using common standard and non-standard units (e.g. metre, centimetre, paces)

-choose and use appropriate standard units to estimate and measure weight/ mass (kg/g)

MSS1/E2.6 Read, estimate, measure and compare weight using common standard and non- standard units e.g. Kilogram,

- know that a kilogram is a metric unit of weight and have an idea of the weight relative to familiar quantities, e.g. items of food
- recognise and write kilogram in full and abbreviated to kilo and kg
- understand kilogram divisions on a simple scale

-choose and use appropriate standard units to estimate and measure capacity (litres/ml) to the nearest appropriate unit,

MSS1 /E2.7 Read, estimate, measure and compare capacity using common standard and non- standard units e.g. Litre, cupful

understand that non-standard units are not agreed measures and can therefore vary

- understand that standard measures are fixed
- know that a litre is a metric unit, and have an idea of the amount relative to familiar quantities (e.g. such as cartons or bottles of milk and other drinks) and to non-standard measures, e.g. more than a cup
- recognise and write litre in full and abbreviated to l
- understand litre divisions on a simple scale

choose and use appropriate standard units to estimate and measure -temperature (°C);

Step 11

Pupils will be taught to:

- measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)

MSS1/E3.4 read and interpret distance in everyday situations

- know the units used for measuring longer distances, e.g. kilometres, miles
- have an idea of distance in miles, e.g. know what is in walking distance when following directions

- add and subtract amounts of money to give change, using both £ and p in practical contexts

MSS1/E3.1 Add and subtract sums of money using decimal notation

MSS1/E3.2 Round sums of money to the nearest £ and 10p and make approximate calculations

- tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks

MSS1/E3.3 Read, measure and record time

- estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight

– understand and use a.m. and p.m.

- know the number of seconds in a minute and the number of days in each month, year and leap year

- compare durations of events [for example to calculate the time taken by particular events or tasks]

– understand and use common date formats: know how to use a calendar

MSS1/E3.8 Choose and use appropriate units and measuring instruments

– know metric units of length, weight and capacity

know which instrument is appropriate for measuring length, weight and capacity of differing magnitude

MSS1/E3.9 Read, measure and compare temperature using common units and instruments – know how to read a thermometer

- measure the perimeter of simple 2-D shapes

Step 12 Extension content

- Convert between different units of measure [for example, kilometre to metre; hour to minute]
- measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres
- find the area of rectilinear shapes by counting squares
- estimate, compare and calculate different measures, including money in pounds and pence
- read, write and convert time between analogue and digital 12- and 24-hour clocks
- solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.