

## Maths

### National Curriculum Links

#### Fractions

- Recognise, find, name and write fractions ( $\frac{1}{3}$ ,  $\frac{1}{4}$ ,  $\frac{2}{4}$  and  $\frac{2}{4}$ ) of a length, shape, set of objects of quantity.
- Write simple fractions, for example,  $\frac{1}{2}$  of 6 = 3 and recognise the equivalence of  $\frac{2}{4}$  and  $\frac{1}{2}$ .

#### Properties of Shape

- Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line.
- Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces.
- Identify 2-D shapes on the surface of 3-D shapes, for example, a circle on a cylinder and a triangle on a pyramid.
- Compare and sort common 2-D and 3-D shapes and everyday objects.

#### Measurement: Length and Height

- Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm) to the nearest appropriate unit, using rulers and scales.
- Compare and order lengths and record the results using >, < and =.

#### Measurement: Mass, Capacity and Temperature

- Choose and use appropriate standard units to estimate and measure mass (kg/g); temperature; capacity (litres/ml) to the nearest appropriate unit, using scales, thermometers and measuring vessels.

Compare and order mass, volume/capacity and record the results using >, < and =.

#### Measurement: Time

- Compare and sequence intervals of time.
- Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times.
- Know the number of minutes in an hour and the number of hours in a day.

#### Geometry: Position and Direction

- Order and arrange combinations of mathematical objects in patterns and sequences.
- Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter-, half- and three-quarter turns (clockwise and anticlockwise).

## English

### National Curriculum Links

#### Reading Comprehension

Develop pleasure in reading, motivation to read, vocabulary and understanding by:

- Listening to discussing and expressing views about a wide range of poems, stories and non-fiction at a level beyond that at which they can read independently.
- Recognising simple recurring literary language in stories and poetry.
- Build up a repertoire of poems learnt by heart.

Understand both the books that they can already read accurately and fluently and those that they listen to by:

- Checking that the text makes sense to them as they read and correcting inaccurate reading.
- Making inferences on the basis of what is being said and done.
- Predicting what might happen on the basis of what has been read so far.

#### Writing:

Consider what they are going to write before beginning by:

- Encapsulating what they want to say, sentence by sentence.

Make simple additions, revisions and corrections to their own writing by:

- Re-reading to check their writing makes sense and that verbs to indicate time are used correctly and consistently.
- Proof-reading to check for errors in spelling, grammar and punctuation.

Learn how to use:

- The present and past tenses correctly and consistently, including the progressive form.
- Subordination (using when, if, that or because) and coordination (using or, and or but).

Understand how nouns can be formed using suffixes such as -ness and -er and by compounding.

### Small Steps Overview

#### Fractions

- Make equal parts
- Recognise a half
- Find a half
- Recognise a quarter
- Find a quarter
- Recognise a third
- Find a third
- Know the difference between unit and non-unit fractions
- Know that one half is the same as two quarters
- Find three quarters
- Count in fractions
- Make patterns with 3D shapes

#### Geometry: Position and Direction

- Describe movement
- Describe turns
- Describe movement and turns
- Make patterns with shapes

#### Properties of Shape

- Recognise 2D and 3D shapes
- Make 2D and 3D shapes
- Count sides on 2D shapes
- Count vertices on 2D shapes
- Draw 2D shapes
- Lines of symmetry
- Sort 2D shapes
- Make patterns with 2D shapes
- Count faces on 3D shapes
- Count edges on 3D shapes
- Count vertices on 3D shapes
- Sort 3D shapes

#### Measurement: Time

- O'clock and half past
- Quarter past and quarter to
- Telling time to 5 minutes
- Hours and days
- Find durations of time
- Compare durations of time

#### Measurement: Length and Height

- Measure length (cm)
- Measure length (m)
- Compare lengths
- Order lengths
- Four operations with lengths
- Problem solving with lengths

#### Measurement: Mass, Capacity and Temperature

- Compare mass
- Measure mass (g)
- Measure mass (kg)
- Four operations with mass
- Compare volume
- Measure capacity and volume (ml)
- Measure capacity and volume (l)
- Four operations with volume
- Temperature

### Possible Texts:

**Fiction:** Sally and the Limpet by Simon James; The Lighthouse Keeper's Lunch by Ronda and David Armitage; Snorgh and the Sailor by Will Buckingham; Mrs Armitage and the Big Wave by Quentin Blake; Winnie at the Seaside by Valerie Thomas; The Storm Whale by Benji Davies; Can You Hear the Sea? by Judy Cumberbatch & Ken Wilson-Max.

**Poetry:** Poems about the Seaside chosen by Brian Moses

**Non-fiction:** Instructions and recipes

By the Sea  
Year 2  
Summer  
English & Maths

