

Mathematics

By the end of Year 6, children are expected to be able to:

- read, write, compare and order numbers (including numbers with three decimal places and up to 10,000,000), demonstrating an understanding of place value (the value of each digit);
- use negative numbers in context (e.g. temperature, money) and calculate across zero;
- round any whole number (including numbers with three decimal places and up to 10,000,000) to any given degree of accuracy;
- know the meaning of, and be able to identify, factors, multiples, prime numbers, square numbers, cube numbers, square roots and cube roots.
- calculate mentally using efficiently strategies and known facts (e.g. $2.9 \times 7 = 2 \times 7 + 0.9 \times 7 = 14 + 6.3 = 20.3$ or $20 \times 7 \times 5 = 20 \times 5 \times 7 = 100 \times 7 = 700$);
- multiply and divide 4-digit numbers by 2-digit numbers using efficient formal methods;
- use formal methods to solve multistep problems (e.g. find the change from £20 for three items that cost £1.24, £7.92 and £2.55 or if a bottle of drink in 1.5 litres, how many cups holding 175ml can be filled and how much drink is left?);
- recognise the relationship between fractions, decimals and percentages and can give equivalences;
- calculate using fractions, decimals and percentages (e.g. 15% of 60, $1\frac{1}{2} + \frac{3}{4}$, $\frac{7}{9}$ of 108, 0.8×70);
- use simple formula to solve problems (e.g. the area of a right-angles triangle is $\frac{1}{2} \times b \times h$, the perimeter of a rectangle is $2(l + w)$ etc.);
- calculate with measures (e.g. convert 0.05km into m and then into cm, how long did the bus journey last etc.); and
- solve problems using mathematical reasoning (e.g. find the missing angle in an isosceles triangle when one angle is given).

Year 6 End of Year Expectations



**Wainfleet Road
Burgh-le-Marsh
Skegness
Lincs. PE24 5ED
Tel: 01754 810241**

End of Year Expectations for Year 6

This booklet provides information for parents and carers on the end of year expectations for children in our school. The National Curriculum outlines these expectations as being the minimum requirements your child must meet in order to ensure continued progress.

In May your child will be undertaking statutory assessments / tests covering these expectations.

All the objectives will be worked on throughout the year and will be the focus of direct teaching. Any extra support you can provide in helping your children to achieve these is greatly valued.

If you have any queries regarding the content of this booklet or want support in knowing how best to help your child please talk to your child's teacher.

Reading

By the end of Year 6, children are expected to:

- read age-appropriate books with confidence and fluency (including whole novels);
- read aloud with expression and intonation that shows understanding;
- read and work out the meaning of unknown words from their context, including all words listed in the Spelling Log;
- explain and discuss what they have read, justifying opinions with evidence;
- predict what might happen from details both stated and implied;
- retrieve information from non-fiction texts;
- summarise main ideas of texts, identifying key details;
- consider how authors use language (including figurative language) and evaluate the impact it has on the reader; and
- make comparisons within texts and across books.

Writing

By the end of Year 6, children are expected to be able to write for a range of purposes and audiences (including a short story), and in doing so they should be able to:

- change the language and sentence structure (including clause structure) to reflect the level of formality required;
- describe settings, characters and atmosphere;
- use dialogue to convey character and move the action forward;
- link ideas and themes across paragraphs using a wide range of cohesive devices such as repetition of a word or phrase, grammatical connections and ellipsis (...);
- use passive voice (e.g. The work was completed by the child.) and modal verbs (e.g. can, could, might, should) mostly appropriately;
- use adverbs, preposition phrases and expanded noun phrases effectively to add detail and precision;
- always use capital letters, full stops, question marks, exclamation marks, commas for lists and apostrophes for contraction correctly;
- use inverted commas, commas for clarity, brackets mostly correctly;
- make some correct use of semi-colons, dashes, colons and hyphens;
- spell most words correctly, including most words listed in the Spelling Log; and
- produce joined, legible handwriting, maintaining fluency and speed.