What should my child be able to do by the end of Year Six?

Reading

- Explore new vocabulary in context
- Demonstrate active reading strategies e.g. challenging peers with questions, justifying opinions, responding to different viewpoints within a group
- Re-read and read ahead to locate clues to support understanding and justifying with evidence from the text
- Scanning for key information and skimming for jist
- Explain the effect on the reader of the authors choice of language and reasons why the author may have selected these
- Provide reasoned justifications for their views

Writing

- Create complex sentences by using relative clauses with pronouns
- Create complex sentences using -ed openers, -ing openers and simile starters
- Use devices to build cohesion within a paragraph
- Link ideas across paragraphs using adverbials for time, place and numbers
- Use organisational and presentational devices
- Suggest changes to grammar, vocabulary and punctuation to enhance effects and clarify meaning

<u>Spelling</u>

- Use dictionaries to check the spelling and meaning of words
- Investigate verb prefixes dis-, re-, pre-, mis- and over-
- Use the first 3 or 4 letters of a word to check its spelling in a dictionary

<u>Handwriting</u>

- Choose when it is appropriate to print or join writing

Maths

Numbers

- Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit.
- *Identify, represent and estimate numbers using the number line.*
- *Order and compare numbers including integers, decimals and negative numbers.*
- *Find 0.001, 0.01, 0.1, 1, 10 and powers of 10 more/less than a given number.*
- *Round decimals with three decimal places to the nearest whole number or one or two decimal places.*
- Multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places.
- Use negative numbers in context, and calculate intervals across zero.
- *Describe and extend number sequences including those with multiplication and division steps, inconsistent steps, alternating steps and those where the step size is a decimal*

Addition and Subtraction

- *Choose an appropriate strategy to solve a calculation based upon the numbers involved (recall a known fact, calculate mentally, use a jotting, written method).*
- *Recall and use addition and subtraction facts for 1 (with decimals to two decimal places).*
- Perform mental calculations including with mixed operations and large numbers *and decimals.*
- *Add and subtract whole numbers and decimals using formal written methods (columnar addition and subtraction).*
- Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.

Multiplication and Division

- *Choose an appropriate strategy to solve a calculation based upon the numbers involved (recall a known fact, calculate mentally, use a jotting, written method).*
- Perform mental calculations, including with mixed operations and large numbers.
- Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication.
- Multiply one-digit numbers with up to two decimal places by whole numbers.
- Divide numbers up to 4 digits by a two-digit whole number using the formal written methods of short or long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context.

- Use written division methods in cases where the answer has up to two decimal places.
- Solve problems involving all four operations, *including those with missing numbers.*

Fractions

- Use common factors to simplify fractions; use common multiples to express fractions in the same denomination.
- Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.
- Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions.
- Multiply simple pairs of proper fractions, writing the answer in its
- simplest form
(e.g. $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$).
- Solve problems involving the calculation of percentages (e.g. of measures and such as 15% of 260) and the use of percentages for comparison.

Shape and Measure

- Draw 2-D shapes using given dimensions and angles.
- Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles.
- Find unknown angles in any triangles, quadrilaterals, regular polygons.
Describe positions on the full coordinate grid (all four quadrants).
- Use, read and write standard units of length, mass, volume and time using decimal notation to three decimal places.
- Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate.

Statistics

- Interpret and construct pie charts and line graphs

Alegbra

- Express missing number problems algebraically.
Find pairs of numbers that satisfy an equation with two unknowns.