Mathematics Year 6
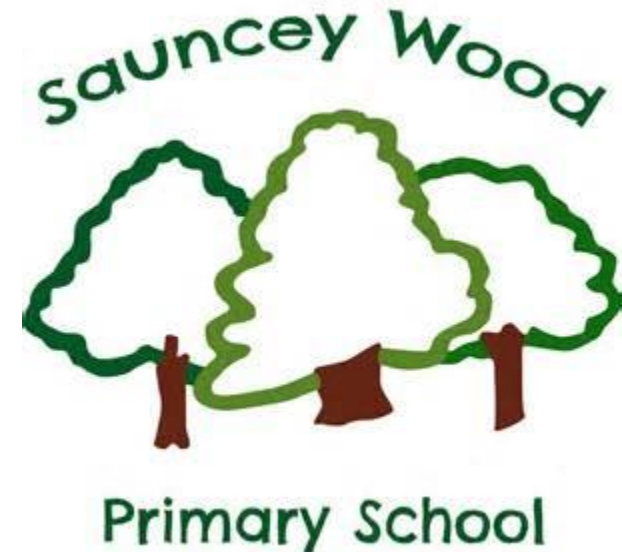
Number

• Use negative numbers in context and calculate intervals across zero.

• Compare and order numbers up to 10,000,000.

• Identify common factors, common multiples and prime numbers.

• Round any whole number to a required degree of accuracy.

• Identify the value of each digit to 3 decimal places.

• Use knowledge of order of operations to carry out calculations involving four operations.

• Multiply: 4-digit by 2-digit

• Divide: 4-digit by 2-digit

• Add and subtract fractions with different denominators and mixed numbers.

• Multiply simple pairs of proper fractions, writing the answer in the simplest form.

• Divide proper fractions by whole numbers.

• Calculate % of whole number.

• use simple formulae

Measurement, Geometry and Statistics

• Generate and describe linear number sequences.

• Express missing number problems algebraically.

• Find pairs of numbers that satisfy an equation with two unknowns.

• Enumerate possibilities of combinations of 2 variables.

• Solve problems involving the calculation and conversion of units of measure, using decimal notation up to 2 decimal places where appropriate

• Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to 3 decimal places.

• illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius.

• recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles.

• Interpret and construct pie charts and line graphs

End of Year National Curriculum Expectations for

Year 6

This booklet provides information for parents and carers about 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.

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

Assessing Children's Progress against National Curriculum Objectives

Children will be assessed against the objectives in this booklet throughout the year. Assessment happens in lots of different ways, including teachers working with children individually or in groups, as well as weekly spelling and mental Maths tests and end of unit tests.

Statutory Assessment also takes place in the following Year groups:

Year 1: Phonics Screening

Year 2: KS1 National tests in reading, spelling, grammar & punctuation. Teacher assessments in English, Maths and Science

Year 6: KS2 National tests and teacher assessments in English, Maths and Science

Reading Year 6

• Refer to text to support opinions and predictions.
• Give a view about choice of vocabulary, structure, etc.
• Distinguish between fact and opinion.
• Appreciate how a set of sentences has been arranged to create maximum effect.
• Recognise:
  - complex sentences with more than one subordinate clause
  - phrases which add detail to sentences
• Explain how a writer has used sentences to create particular effects.
• Skim and scan to aide note-taking.

Writing Year 6

• Use subordinate clauses to write complex sentences.
• Use passive voice where appropriate.
• Use expanded noun phrases to convey complicated information concisely (e.g. The fact that it was raining meant the end of sports day).
• Use a sentence structure and layout matched to requirements of text type. • Use semi-colon, colon or dash to mark the boundary between independent clauses.
• Use colon to introduce a list and semi colon within a list.
• Use correct punctuation of bullet points.
• Use hyphens to avoid ambiguity.
• Use full range of punctuation matched to requirements of text type.
• Use wide range of devices to build cohesion within and across paragraphs. • Use paragraphs to signal change in time, scene, action, mood or person.
• Write legibly, fluently and with increasing speed in a cursive script.