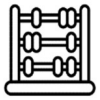
Mathematics

Year 6 pupils should be able to:

- Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit
- Round any whole number to a required degree of accuracy
- Use negative numbers in context, and calculate intervals across 0
- Solve number and practical problems that involve all of the above
- Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication
- Divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders
- Identify common factors, common multiples and prime numbers
- Use their knowledge of the order of operations to carry out calculations involving the 4 operations
- Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why
- Add and subtract fractions with different denominations and mixed numbers
- Multiply pairs of proper fractions and write the answer in its simplest form; divide fractions by whole numbers
- Recognise the relationship between fractions, decimals and percentages, expressing them as equivalent quantities.
- Solve problems involving the calculation and conversion of units of measure up to 3 decimal places with measures
- Solve problems involving ratio and proportion
- Use letters to represent variables in a variety of mathematical situations
- Compare and classify geometric shapes based on their properties and sizes
- Calculate, estimate and compare volume of cubes and cuboids
- Use mathematical reasoning to find missing angles



To help your child at home you can:

- Try reading out long numbers, such as telephone numbers and meter readings
- When you are out shopping practise working out sale discounts. Work out 10% to begin with, before working your way up to multiples of 10% and 5%
- Practise using a protractor to measure different angles around the house
- Support your child to complete any homework sent home

Croft Primary School

Creativity Potential Success

End of Year Expectations
Information for families

Year 6

This leaflet provides information for our families on the end of year expectations for reading, writing and mathematics. The National Curriculum outlines these expectations as being the minimum requirements your child must meet in order to ensure continued progress.

We will be working towards achieving these statements throughout the year. Any extra support you can provide in helping your child to achieve these is greatly valued.

If you want any support in knowing how to help your child at home please don't hesitate to talk to your child's class teacher.

Reading

Year 6 pupils should be able to:

- Read books that are structured in different ways and read for a range of purposes
- Recommend books that they have read to their peers, giving reasons for their choices
- Identify and discuss themes and conventions in and across a wide range of writing
- Make comparisons within and across books

- Learn a wider range of poetry by heart
- Understand what they read by:
  - checking that the book makes sense to them, discussing their understanding and exploring the meaning of words in context
  - asking questions to improve their understanding
  - drawing inferences such as inferring characters' feelings, thoughts and motives from their actions, and justifying inferences with evidence
  - predicting what might happen from details stated and implied
  - summarising the main ideas drawn from more than 1 paragraph, identifying key details that support the main ideas
  - identifying how language, structure and presentation contribute to meaning
- Discuss and evaluate how authors use language, including figurative language, considering the impact on the reader
- Distinguish between statements of fact and opinion
- Retrieve, record and present information from non-fiction
- Participate in discussions about books that are read to them and those they can read for themselves, building on their own and others' ideas and challenging views courteously
- Explain and discuss their understanding of what they have read, including through formal presentations and debates, maintaining a focus on the topic and using notes where necessary
- Provide reasoned justifications for their views

To help your child at home you can:

- Helping your child become a reader is the single most important thing that you can do. Encourage your child to read a wider range of materials and visit their local or school library regularly.

Writing

Year 6 pupils should be able to:

- Write effectively for a range of purposes and audiences, selecting language that shows a good awareness of the reader (e.g first person for a diary, direct address for instructions, persuasive writing etc.) and the contracted form in dialogues in narrative
- In narratives, describe settings, character and atmosphere
- Use a range of devices to build cohesion within and across paragraphs (e.g conjunctions, adverbials of time and place, pronouns, synonyms)
- Use a range of verb tenses and different verb types consistently and correctly throughout their writing including passive (i.e – It was eaten by our dog), present perfect (i.e He has gone), progressive (i.e She was singing. He has been singing) and modal verbs i.e might, should, will, must
- Use paragraphs consistently and correctly to organise ideas
- Use the range of punctuation taught at KS2 mostly correctly (e.g inverted commas and other punctuation to indicate direct speech
- Integrate dialogue in narratives to convey character and advance the action
- Spell correctly most words from the Y5/6 spelling list (and ALL previous spelling patterns, words from the Y3/4 list and the Y1/2 common exception words) and use a dictionary to check the spelling of uncommon or more ambitious vocabulary
- Maintain legibility in joined handwriting

To help your child at home you can:

- Before they start to write talk through their ideas with them, for example, prompt them to think about how they intend to tackle a subject. Afterwards help them to reflect on their writing, particularly the effect they hoped to have on the reader.
- Encourage their personal writing, for example, a journal or diary, social networking, a blog. But ensure you take necessary safeguards when using the world wide web.