Calculate, estimate and compare volume of cubes and cuboids (e.g. length x height x width)

Use properties of regular and irregular 2D shapes to find missing lengths and angles

Draw 2D shapes using given dimensions and angles

Recognise, build and describe 3D shapes, including nets (what a 3D shape would look like if opened out flat)

Draw and name parts of a circle, including radius, diameter and circumference

Know what a shape will look like as its position is moved on a grid (translation) or is reflected

Confidently understand information presented in charts, graphs and tables and present own data accurately and appropriately and interpret and construct pie charts and line graphs

Calculate & interpret the mean as an average (e.g. add up all the numbers and then divide by the number of numbers)

If you would like further clarification on any information in this booklet please speak to your child's class teacher.

For more information about the National Curriculum go to:

https://www.gov.uk/government/publications/national-curriculum-in-england-primary-curriculum

---

W
WOODSIDE
A good place to be

National End of Year Expectations Year 6

www.woodsideschool.co.uk

Reading

Find reading enjoyable as well as useful

Read a wide variety of texts including magazines, novels, poetry, plays, etc

Discuss what they have read and recommend books to others

Listen to others with respect in discussions

Learn a wide range of poetry by heart and perform it with expression

Recap the main points of an argument or discussion within their reading and make up their own mind about issues

Know the difference between fact and opinion

Understand that two people may have a different view on the same event and that writers sometimes use bias in persuasive writing

Use more than one piece of information when carrying out research

Compare two texts and explain reasons for their opinions about the texts

Use voices and/or expression to show when a character is speaking

Predict what might happen next in the text

Discuss and assess how authors use language and how it impacts the reader

Appreciate how a set of sentences has been arranged to create maximum effect

Writing

Plan, draft and write for a variety of purposes (e.g. stories, reports, poems, letters, etc)

Use organisational and presentational features (e.g. using paragraphs to organise ideas or signal change in time, scene, action, mood or person)

Describe character, setting and atmosphere in story writing

Use a variety of sentence openers for impact (e.g. Cautiously, she pushed the old, creaking door.)

Ensure correct use of tenses (e.g. They *went* to the party.)

Re-read writing to check for spelling and punctuation mistakes

Know how to use a semi-colon, colon and dash to mark the boundary between independent clauses (e.g. It's raining; I'm fed up.)

Use correct punctuation of bullet points and hyphens to keep writing clear (e.g. I re-sent your email.)

Use subordinate clauses to write complex sentences (e.g. I went to the park *where my dog likes to play fetch.*)

Use passive voice where appropriate (e.g. The book was read by Tom in one day.)

Use conjunctions (linking words) in a variety of sentences to link ideas (e.g. She never stops talking, even when she's working.)

Link ideas across paragraphs using adverbials of time (e.g. later), place (e.g. nearby) and number (e.g. secondly)

Perform own writing ideas confidently

Always use clear, neat and fluent handwriting

Mathematics

Compare & order numbers up to 10000000

Know the common factors, common multiples & prime numbers (e.g. the factors of 20 are 1, 2, 4, 5, and 20)

Round any whole number accurately

Use negative numbers in context and calculate intervals across zero (e.g. 10, 8, 6, 4, 2, 0, -2, -4, -6)

Multiply and divide a 4-digit number by a 2-digit number (e.g. 4236 x 12)

Perform mental calculations, including mixed operations with larger numbers (e.g. 36 x 3 ÷ 2 = 54)

Add and subtract fractions with different denominators & mixed numbers (e.g. 3/4 + 1/6)

Multiply simple pairs of proper fractions, writing the answer in the simplest form (e.g. 1/2 x 1/2 = 1/4)

Divide proper fractions by whole numbers (e.g. 1/2 ÷ 3 = 1/6)

Identify the values of digits to three decimal places (e.g. tenths, hundredths and thousandths)

Calculate % of whole number

Use all number knowledge including multiplication, division, fractions, decimals, place value, etc to solve increasingly complex problems

Express missing number problems algebraically and use simple formulae expressed in words (e.g. if a = 5, b = 3 and c = 1, solve this equation: 3a + b = ?)

Use, read, write and convert between standard units, converting measurements of length, mass volume and time (e.g. 1300g = 1 kg 300g = 1.3kg)