

Maths Planning Spring Term 2022

Practice maths (mental/oral skills). Times-table practise - at school and home-learning.

Maths buddies once a week with younger buddies.

Year 5

Measurement: Perimeter & Area

Calculating perimeter of rectangles & rectilinear shapes.

Calculating area of rectangles, compound shapes & irregular shapes.

Number: Multiplication & Division

Multiplying 3-digits by 1-digit, 4-digits by 1-digit.
Using the area model to multiply 2-digits by 2-digits.

Using a formal method to multiply 2-digits by 3-digits and 2-digits by 4-digits.

Dividing 2-digits and 3-digits by 1-digit.

Dividing 4-digits by 1-digit.

Dividing with remainders.

Number: Fractions

Equivalent fractions.

Converting mixed numbers to improper fractions.

Converting improper fractions to mixed numbers.

Compare and order fractions.

Add and subtract fractions.

Add and subtract mixed numbers.

Number: Fractions

Multiply unit fractions by an integer.

Multiply non-unit fractions by an integer.

Calculate fraction of an amount.

Fraction problem solving.

Number: Decimals & Percentages

Decimals up to 2d.p.

Decimals as fractions.

Understand thousandths.

Thousandths as decimals.

Rounding decimals.

Ordering & comparing decimals.

Percentages as fractions and decimals.

Equivalent fractions, decimals & percentages.

Year 6

Geometry: Position & Direction

The first quadrant.

Four quadrants.

Translations.

Reflections.

Number: Decimals

3 decimal places.

Multiplying by 10, 100, 1000.

Dividing by 10, 100, 1000.

Multiply decimals by integers.

Divide decimals by integers.

Division to solve problems.

Decimals as fractions.

Fractions to decimals.

Number: Percentages

Fractions to percentages.

Equivalent fractions, decimals & percentages.

Ordering fractions, decimals & percentages.

Percentage of an amount.

Percentages - missing values.

Number: Algebra

Find a rule - one step and two step.

Forming expressions.

Substitution.

Formulae.

Forming equations.

Solve one-step and two-step equations.

Find pairs of values.

Measurement: Converting Units

Metric measures.

Convert metric measures.

Calculate with metric measures.

Miles and kilometres.

Imperial measures.

Measurement: Perimeter, Area and Volume.

Shapes - same area.

Area and perimeter.

Area of a triangle.

Area of a parallelogram.

Volume of a cuboid.

Number: Ratio

Using the language of ratio.

Ratio and fractions.

Using the ratio symbol. Calculating ratio.

Using scale factors.

Calculating scale factors.

Ratio and proportion problems.

Spring Term 2022

English Planning: Years 5 and 6

Speaking and Listening

Opportunities to discuss what we are learning and to develop our wider skills in spoken language developing confidence, enjoyment and mastery will be extended through public speaking, performance and debate. Opportunities in assembly time, P4C, discussion time in lessons, reading group conversations, review time and many more!

Grammar, Punctuation and Spelling

Weekly spelling focus - we will be focusing on suffixes and word endings, ie and ei words, words containing 'ough' and words with silent letters. We will also be visiting and re-visiting words from the Year 3 and 4 and Year 5 and 6 word lists.

Weekly Grammar and Punctuation Focus - we will use this time to continue to practise our use of standard English in writing and speaking and to reinforce our understanding of word classes. We will focus on the basics of punctuation and build our understanding of using precise punctuation to enhance meaning and avoid ambiguity. This term, we will be placing particular emphasis on the use of imperative verbs and precise instructions for writing algorithms, the use of formal language and higher level vocabulary in newspaper articles, and the use of descriptive tools including similes, metaphors, personification and adverbial phrases along with exciting vocabulary and effective use of dialogue in our epic tales. We will also be focusing on using commas precisely within sentences (after adverbial phrases, to punctuate subordinate clauses, and as part of punctuating speech) and looking at how we can use colons and semi-colons.

Reading

Weekly reading groups.

Reading buddies once a week with younger buddies.

Reading comprehension.

Class read: The Wolves of Willoughby Chase by Joan Aiken.

Writing

'Quick writes'.

Non-fiction information writing linked to science - a new life on Mars.

Instruction writing linked to computing - writing algorithms for our Mars rovers.

Newspaper reports linked to Rights of the Child and the refugee crisis. (Statistics - maths link)

The Odyssey - a longer unit of work using the classic tale to inspire our own epic stories.