Maths – Year 5



Maths: what will your child learn in year 5?

Number and Place Value:

'Life in all its fullness' John 10:10

- Reading, writing, ordering and comparing numbers to at least 1,000,000
- Counting forwards and backwards with positive and negative numbers
- Rounding any number up to one million to the nearest 10, 100, 1000, 10,000, 100,000

Calculating:

- Adding and subtracting with numbers up to four digits using column addition and subtraction
- Identifying factors and multiples of different numbers
- Identifying prime numbers
- Multiplying four-digit numbers with two-digit numbers using long multiplication
- Dividing four-digit numbers by one-digit numbers using short division
- Multiplying whole numbers and decimals by 10, 100 and 1000
- Recognising and using square numbers and cube numbers
- Solving problems involving all four operations

Fractions and decimals:

- Comparing and ordering fractions whose denominators are all multiples of the same number
- Converting from mixed numbers to improper fractions
- Adding and subtracting fractions whose denominators are multiples of the same number
- Multiplying proper fractions and mixed numbers by whole numbers
- Rounding decimals with two places to the nearest whole number and to one decimal place
- Comparing numbers with up to three decimal places
- Beginning to understand percentages
- Knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5 and 4/5

Measurement:

- Converting between units of measurement
- Working out the perimeter and area of shapes (including irregular shapes)
- Solving problems involving money and measures
- Solving problems involving converting between units of time

Geometry:

- Drawing and measuring angles
- Finding angles around a point, on a straight line and within a right angle

Statistics:

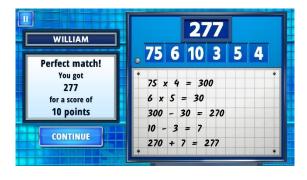
- Solving comparison, sum and difference problems using information presented in a line graph
- Completing and interpreting information in tables, including timetables

Our Vision is for our children to experience 'Life in all its fullness' (John 10:10). Following the Christian inspiration of Jesus, our children will flourish and enable others to grow. Our school will be a place where aspiration and hope enable the growth of knowledge, wisdom and skills. Our children will feel good about themselves, enjoy learning and achieving and become positive members of the community. Friendship Wisdom Endurance Hope Koinonia



Maths at home:

- Continue to practise rapid recall of times tables up to 12 x 12. Display
 a times tables poster on the fridge, chant the times tables on the way
 to school, practise online using games on <u>timestables.co.uk</u> or <u>hit the
 button</u>
- Play games such as 'Countdown' where children will need to use all four operations
- If your child gets pocket money / birthday money etc, encourage them to keep a running total of their savings and money they have spent. Encourage them to work out how long it will take them to save for an item they want to buy
- When following a recipe, encourage children to work out the weights and measurements for half / double the recipe, based on how many people will be eating
- Time encourage you child to convert time between 12 hour and 24 hour clocks. Convert from analogue to digital or vice-versa
- Work out how many weeks, day, hours to an event
- Read time tables, for example swimming pool or train timetables to work out a journey or plan events



Our Vision is for our children to experience 'Life in all its fullness' (John 10:10).

Following the Christian inspiration of Jesus, our children will flourish and enable others to grow. Our school will be a place where aspiration and hope enable the growth of knowledge, wisdom and skills. Our children will feel good about themselves, enjoy learning and achieving and become positive members of the community.

Friendship Wisdom Endurance Hope Koinonia