



Year 6 Spring Maths

Dear Parents,

This term we intend to cover the following national curriculum objectives.

We have suggested activities you can try at home with your child to help them with their learning. Please use all opportunities to connect maths with real life.

Fractions, Decimals and Percentages

Investigate the equivalence between simple fractions, decimals and percentages.

Apply understanding of percentages to solve problems.

Solve multi step problems involving decimal numbers.

Identify the value of each digit in numbers given to 3 decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to 3 decimal places

Solve problems involving addition, subtraction, multiplication and division with decimal numbers.

Find fraction, decimal and percentage amounts when shopping or paying bills.

Place value

Identify the value of each digit in numbers given to three decimal places.

Count forwards or backwards in steps of powers of 10 for any given number up to 10,000,000

Round any number up to 10,000,000 with the required degree of accuracy
Look for decimal numbers in recipes, measurements, whilst shopping. Encourage your child to tell you the value of the digit.

Number

Perform mental calculations, including with mixed operations and large numbers.

Use simple formulae for example, area = length x width. $A = l \times w$

Express missing number problems algebraically. $2 + c = 10$

Use ratio to calculate missing values

Investigate and draw similar shapes when given a scaling factor.

Use ratios share and group a total.

Talk to your child about how you work calculations out. Get them to explain their way.

Work together to plan a holiday or day trip on a budget, focus on calculating with money..

Follow a recipe and think about how you could change the scale (doubling/halving)

Measurement

Area and perimeter of rectangles and composite shapes.

Area of parallelograms and triangles.

Volume of cubes and cuboids.

To read and use a timetable.

Practise reading analogue and digital clocks. Calculate length of times for activities. Use a TV guide. Ask your child to work out the length of their favourite programmes. Create their own viewing guide for an evening.

Practise reading bus and train timetables.

Geometry and Statistics.

Learning the names of parts of a circle and illustrating them.

Interpret and construct pie charts and line graphs

*Make a model using boxes/containers of different shapes and sizes.
Ask your child to describe their model.*

SUMDOG

Don't forget the school has a subscription to Sumdog, which all children can access from home. It has lots of fun maths games to enjoy! Sumdog club is on a Thursday lunchtime.

www.sumdog.com

Homework

Homework will be given out on Thursdays. Please help your child complete it in their orange maths book and return the following Monday.

Useful websites/games

- www.bbc.co.uk (bitesize)
- www.funbrain.com
- www.mathplayground.com
- www.studyladder.com
- <http://www.topmarks.co.uk>
- <http://www.ictgames.com>

As we get closer to SATs week, please encourage your child to answer SATs style questions. These can be found on top marks or ict games website. Past papers will be given out at Parent's Evening.