



Year 6 Autumn 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

Compare and order fractions, including fractions > 1

Use common factors to simplify fractions; use common multiples to express fractions in the same denomination.

Associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, $\frac{3}{8}$]

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

Find fractions amounts when shopping or paying bills. Encourage them to calculate change and discounts.

Place value

Read, write, order and compare numbers to at least 10,000,000 and determine the value of each digit.

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 large numbers in the media (e.g stadium capacities), or books and then write them as words. Read phone numbers.

Operations

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

Solve problems involving addition, subtraction, multiplication and division.

Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.

Identify common factors, common multiples and prime numbers

Multiply multi-digit numbers up to 4 digits by a 2-digit whole number using the formal written method of long multiplication

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

Play any number games e.g Race to zero games/ darts/ dice /cards e.g. Use a set of playing cards Turn over two c and ask your child to multiply the numbers. If they answer correctly, they keep the cards. How many cards can they collect in 2 minutes?

Complete maths puzzles from newspapers or apps. play computer games that enhance number skills.

Work together to plan a party or meal on a budget.

Arithmetic Skill

We will be practising arithmetic skills on a daily basis, this includes skills linked to the current learning along with questions linking to all four written methods.

Positions and directions

Accurately use all four quadrants to translate and rotate shapes.

Play Battleships

Think about directions and knowing left and right turns.

Look at maps and how co-ordinates are used.

Times Table Rockstars

Do not forget the school has a subscription to Times Table Rockstars, which all children can access from home!

www.ttrockstars.com

Homework

Children are expected to take charge of their learning and practise their times tables and skills at home.

Children will be given additional weekly homework to support learning in the classroom. Homework will be given out on Fridays and expected back by the following Wednesday.

Useful websites/games

- www.bbc.co.uk
- www.funbrain.com
- www.mathplayground.com
- www.studyladder.com
- <http://www.topmarks.co.uk>
- <http://www.bbc.co.uk/skillswise/game/ma13tabl-game-tables-grid-find>
- <http://www.ictgames.com>
- http://www.bbc.co.uk/bitesize/ks2/maths/number/ordering_comparing_fractions/play/