

The information in this page is compiled to help you to support your child's progress in Mathematics. Included in this guide are various ideas and suggestions for Maths activities you can do. You will doubtless have many more ideas of your own.

Students will follow the national curriculum covering a wide range of topics from Number, Algebra, Shape and Statistics. The overall aim within our Maths teaching is that children become fluent, reason Mathematically and solve problems. We place greater emphasis on understanding rather than just "learning a method".

Proficiency in the following list of topics can help your child make a good start in year 7

- Multiply and divide any numbers up to 10 000 by 10 or 100.
- Know what the digits in a decimal number stand for, e.g. the 6 in 2.63 stands for 6 tenths and the 3 for 3 hundredths.
- Round numbers with 1 decimal place to the nearest whole number, e.g. 9.7 rounds up to 10, 147.2 rounds down to 147.
- Use division to find a fraction of a number, e.g. find one fifth by dividing by 5.
- Work out simple percentages of whole numbers, e.g. 25% of £90 is £22.50.
- Work out in their head the difference between two numbers such as 3994 and 9007.
- Use pencil and paper to add and subtract big numbers, e.g. $5792 + 8436$, $13\,912 - 5829$.
- Use pencil and paper to multiply and divide, e.g. 328×4 , 72×56 , $329 \div 6$.
- Know by heart all multiplication tables up to 10×10 .
- Work out the perimeter and area of simple shapes
- Solve word problems and explain their method.
- Estimate angles and use a protractor to measure them.
- Use co-ordinates to plot the position of points.
- Understand and use information in graphs, charts and tables

How you can help your child at home

It is important that you talk & listen to your child about their work in Maths. It will help your child if they have to explain to you. Be positive about Maths, even if you don't feel confident about it yourself. A lot of Maths can be done using everyday situations and will not need pencil and paper methods. Play games and have fun with Maths!

Here are some examples of activities you can do:

- weighing fruit and vegetables in the supermarket
- estimating the final bill at the end of shopping while waiting at the cash out
- calculating VAT, calculating foreign currency exchange rates
- purchasing liters of petrol and calculating total cost
- calculating discounts e.g. 20% reduction, 50% sale price
- calculating how long a journey will take looking at train/bus/airline timetables

Please feel free to talk to your child's teacher if you have any concern about any aspect of the Mathematics your child is learning at Swanlea School. You can also communicate by writing a note in your child's planner.