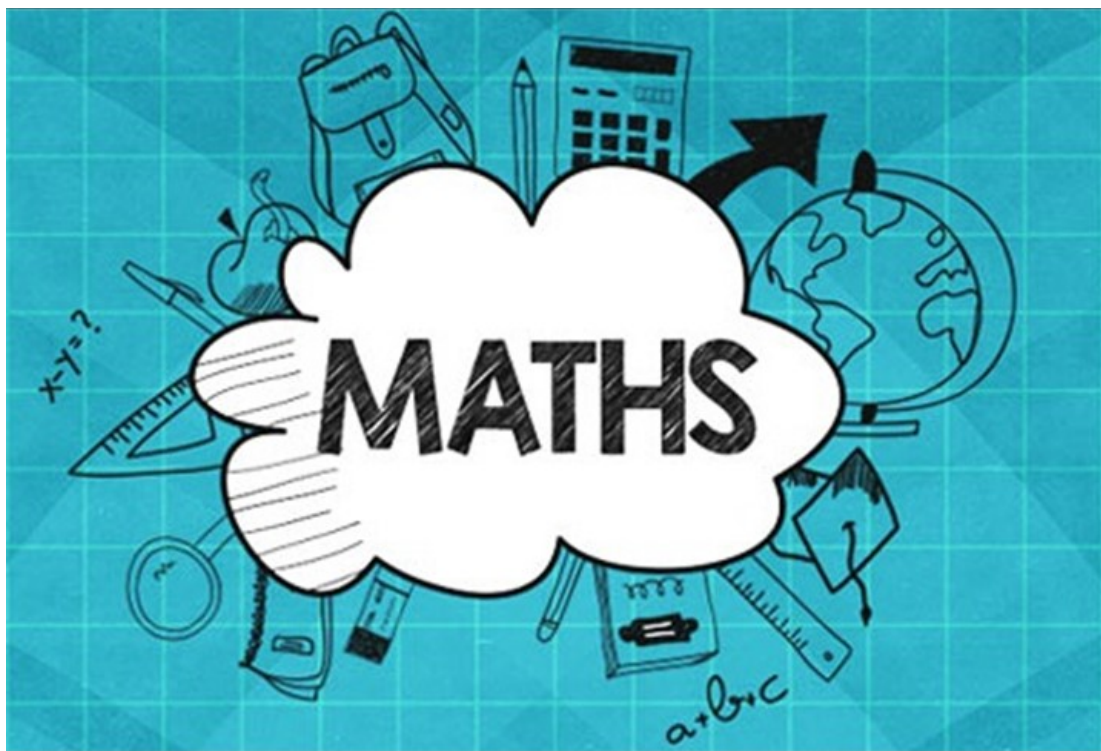




# Plymstock School

## Year 7



*“Mathematics is the most beautiful and most powerful creation of the human spirit.”*

- Stefan Banach

## **Supporting Your Child At Home**

Much of the evidence about supporting secondary school pupils with mathematics is about structure, encouragement, and routines. Here are some ideas:

Create a daily routine for mathematical practice with your child and reinforce this with praise and rewards. This can increase the amount of time spent 'on task' and improve the effectiveness of how that time is spent. You might want to consider linking this routine to the rhythm of a normal school day, but be realistic in what you can manage as a family.

Encourage your child to set goals, plan, and manage their time, effort, and emotions. This type of support can help children to regulate their own learning and will often be more valuable than direct help with mathematical tasks. As children become older, more independence can be expected but support will still be needed.

Having a place to study mathematics is helpful. This could be a desk in a bedroom or a place at the kitchen table. Ensure your child has the materials they need. Whatever they may tell you, a notebook and pen will always be needed for working out (even when tasks are online). Also, a calculator (scientific whenever possible), and a ruler as a minimum. Some tasks set by schools may need online access, and a laptop or tablet will usually be better than a mobile phone.

Away from providing structure, there are some tips for engaging in mathematical content with secondary school pupils at home:

Many children enjoy practising times tables either online or on paper. There is value in this: evidence shows that pupils need to develop a fluent recall of mathematical facts, and times tables are among the most important of these.





It can be difficult to learn new mathematical content away from the classroom, but evidence suggests that we should provide opportunities for children to retrieve the knowledge that they have previously learnt. Parents should encourage practice of previously studied content. This might be via an online learning platform - a textbook - or simply revisiting questions from their school exercise book.

When attempting to engage with new content, providing worked examples of concepts is likely to be beneficial.

Useful website's your child knows how to logon to:

<https://vle.mathswatch.co.uk/vle/>

<https://www.mymaths.co.uk/>

<https://sparxmaths.com/>

### **Year 7 Curriculum 2022-2023**

Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Statistics and calculations, Measures, Length, area and volume, Expressions and Formula, Solving Equations	Fractions, Decimals, Percentages Probability	Ratio and Proportion, Shape, Angles, Statistical Diagrams	Construction, Sets of Numbers, Sequences, Graphs	End of Year Assessment Fibonacci Project, Transformations and Symmetry

