

Numeracy support and information
for students and parents at
Wollaston School

Useful Websites

- <https://www.mathswatchvle.com/>
- <http://www.mymaths.co.uk/>
- <http://www.mrbartonmaths.com/ebook.htm>
- <http://www.mathsgenie.co.uk/gcse.html>
- <https://corbettmaths.com/>
- <http://www.piximaths.co.uk/assessments>
- <http://onmaths.com/>

New Year 7 Curriculum

- Designed to develop fluency in all aspects of Mathematics.
- Designed for students to use their understanding to be able to reason mathematically to solve problems.
- Students expected to become confident and numerate to enable progress into KS4.

How KS3 is taught

- We expect all students to be fully equipped for each maths lesson.
- Homework is given out weekly.
- Annual maths targets are stuck in books.
- Two topic assessment every half term
- Numeracy booklet on website for basic support.
- New text books for the new scheme of work.

Basic Numeracy

- **IT IS IMPORTANT STUDENTS HAVE AN EFFICIENT WAY TO ADD, SUBTRACT, MULTIPLY AND DIVIDE.**
- Addition and Subtraction

We would encourage use of column method from year 7. Practice at home with decimals and whole numbers. Use My Maths for constantly changing questions.

Basic Numeracy

Multiplication

Use either:

Grid Method

Column method (Long Multiplication)

Some students like to use Chinese Method

Encourage the constant use of one of these so they are not scared to use it when required.

Basic Numeracy

Division

Encourage the use of 'bus stop' method. This is efficient and will enable students to divide into decimals accurately.

(We do not have remainders, only decimal answers.)

Algebra

Students come into year 7 dreading the word Algebra without really knowing what it means.

Encourage them to use Mathswatch – new curriculum to watch videos to reinforce learning.

<https://www.mathswatchvle.com/>

Each student has their own personal login.

Maths GCSE Changes

- All students sitting their GCSE Maths exams from 2018 will be following a new curriculum. It will be a linear specification with students having one sitting at the end of year 11.
- 2 calculator papers and 1 non-calculator.
- Broader and deeper mathematical content.
- Designed to be more rigorous to allow stretch and challenge for both Higher and Foundation students

Grading

- A similar proportion of students will achieve a grade 4 and above as currently achieve a grade C and above.
- A similar proportion of students will achieve a grade 7 and above as currently achieve an A and above.
- For each examination, the top 20 per cent of those who get grade 7 or above will get a grade 9 – the very highest performers.
- The bottom of grade 1 will be aligned with the bottom of grade G.

Grading

- Grade 5 will be positioned in the top third of the marks for a current Grade C and bottom third of the marks for a current Grade B. This will mean it will be of greater demand than the present grade C, and broadly in line with what the best available evidence tells us is the average performance in countries such as Finland, Canada, the Netherlands and Switzerland.
- The new maths GCSE will be tiered, with grades 4 and 5 available through both tiers. Grade 4 is classed as a 'Standard Pass' and Grade 5 as a 'Good Pass'.

MATHEMATICS



Grading

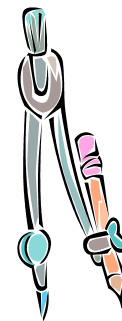
- “We do need to caution against direct comparisons and overly simplistic descriptions of the approach. For example, it is not right to say simply that a new grade 4 will equal a current grade C.”

Testing

Students will be assessed every half term. This will allow both the student and teacher to see where progress has been made and intervention put in place with appropriate students. Student's progress and reports can be accessed via your insight login.

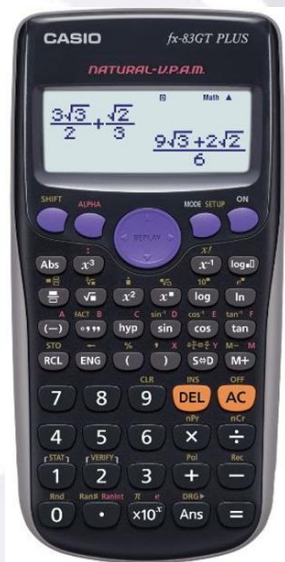
We will closely monitor students' progress, and make set changes based on ALL of the results that we have available to us for each student. This is to ensure that every student is in the set that is right for THEM, and that they are working at the most appropriate level for their ability.

What can students do?



Come prepared to every lesson:

- Book
- Scientific calculator
- Pen
- Pencil
- Ruler
- Planner



Be ready to learn

- Make all appropriate notes
- Complete all classwork
- Use correct equipment (e.g. draw diagrams with pencil and ruler)
- Ensure all homework is completed on time