**Independent study - Year 9**

Year 9 students should watch the following clips on mathswatch, and complete the corresponding worksheets and questions within the video. They should ensure they make notes on this.

**9mb4 (Mr Gulliver)**

* Clip 3 – ordering decimals
* Clip 25 – Equivalent fractions
* Clip 26 – simplifying fractions
* Clips 70-74 – working with fractions
* Clip 28 – Factors, multiples and primes
* Clip 29 – Introduction to powers/indices
* Clips 33-35 – Simplifying algebra
* Clip 38 – Introduction to ratio

**9ma4 (Miss Jay) and 9mb3 (Mr Winter)**

* Clip 150a – Pythagoras
* Clip 168 – Trigonometry
* Clip 83 – standard form
* Clip 29 – introduction to powers and indices
* Clip 82 – working with indices
* Clip 61 – Two way tables
* Clip 120 – angles in parallel lines
* Clip 123 – angles in polygons

**9ma3 (Mr Gulliver), 9mb1 (Mr Liston) and 9mb2 (Mr Reynolds)**

* Clip 144 – similar shapes
* Clip 83 – standard form
* Clip 154 – Negative indices
* Clip 188 – Fractional indices
* Clip 186 – cumulative frequency
* Clip 187 – box plots
* Clips 130a and 130b – averages from tables
* Clip 107 – Ratio, fractions and graphs
* Clip 105 – exchanging money
* Clips 65a and 65b – frequency diagrams and frequency polygons

**9ma1 (Miss May) and 9ma2 (Mr Winter)**

* Clip 144 – similar shapes
* Clip 200 – similarity area and volume
* Clip 83 – standard form
* Clip 154 – Negative indices
* Clip 188 – Fractional indices
* Clip 186 – cumulative frequency
* Clip 187 – box plots
* Clips 130a and 130b – averages from tables
* Clip 107 – Ratio, fractions and graphs
* Clip 105 – exchanging money

Teachers may also provide extra work to be completed subsequent to this through mymaths. Students will need to review their individual homework accounts on mymaths.

The school login for Mymaths is as follows:

**Username: sgcs**

**Password: volume**

Students should know their passwords for their personal portal. However, if you have any problems with logins or the work set, then please do not hesitate to contact Mr Winter or Mr Reynolds:

[twinter@stgcc.co.uk](mailto:twinter@stgcc.co.uk)

jreynolds@stgcc.co.uk