

## Mathematics

### Year 11

#### Topics studied:

##### FOUNDATION

###### Autumn 1

- Quadratic equations and graphs
- Perimeter, area and volume
- Fractions, indices and standard form

###### Autumn 2

- Congruence, similarity and vectors
- More algebra

###### Spring 1

- REVISION AND EXAM PRACTICE

###### Spring 2

- REVISION AND EXAM PRACTICE

###### Summer 1

- REVISION AND EXAM PRACTICE

##### HIGHER

###### Autumn 1

- Circle theorems
- Further Algebra

###### Autumn 2

- Vectors and geometric proof
- Proportion and graphs

###### Spring 1

- REVISION

###### Spring 2

- REVISION

###### Summer 1

- REVISION

**Exam Board:**

Edexcel

**Assessment Structure:**

**How is it assessed?**

3 examination papers at the end of year 11.

Paper 1- Non-calculator

Paper 2- Calculator

Paper 3- Calculator

**Keywords that students must know, and be able to spell, by the end of the course:**

Mean, Median, Mode, Average, Perimeter, Area, Axis, Substitute, Solve, Reflect, Enlarge, Scale factor, Rotate, Translate, Transform, Centre, Ratio, Share, Proportion, Hypotenuse, Sine, cosine, tangent, Chance, Evens, Certain, Relative frequency, Probability, Density, Volume, Pressure, Force, Speed, Construct, Loci, bearing, Quadratic, Linear, Cubic, Reciprocal, Equation, Identity, Expression, Formula, Inequality, Similar, Congruent, Sample, Radius, Diameter, Segment, Sector, Tangent, Chord, Arc.

**Subject specific websites to support revision and independent learning:**

[www.mymaths.co.uk](http://www.mymaths.co.uk)

<https://qualifications.pearson.com/en/qualifications/edexcel-gcses/mathematics-2015.html>

[www.mathsgenie.co.uk](http://www.mathsgenie.co.uk)

[www.mathsbot.com](http://www.mathsbot.com)

<https://mathsapp.pixl.org.uk/>

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

<https://corbettmaths.com/>

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

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

<https://mathsupgrade.co.uk/index.html>

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

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

Pearson revise app (downloadable on android and Iphone)

**To help your child this year you can:**

- Use the curriculum resources available on the school website.
- Purchase the Pearson revision guide and workbook using parent pay.
- Find past examination papers and mark schemes on the Edexcel website.