

Mathematics

Year 10

Topics studied:

FOUNDATION

Autumn 1

- Averages and range
- Perimeter, area and volume

Autumn 2

- Graphs

Spring 1

- Transformations
- Ratio
- Proportion

Spring 2

- Right angled triangles

Summer 1

- Probability
- Multiplicative reasoning

Summer 2

- Constructions, loci and bearings

HIGHER

Autumn 1

- Graphs
- Area and volume

Autumn 2

- Transformations and constructions
- Equations and inequalities

Spring 1

- Probability
- Multiplicative reasoning

Spring 2

- Similarity and congruence

Summer 1

- More trigonometry
- Further statistics

Summer 2

- Equations and graphs

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, Opposite, Adjacent, Sine, cosine, tangent, Chance, Evens, Certain, Relative frequency, Probability, Density, Volume, Pressure, Force, Speed, Construct, Loci, bearing, Quadratic, Linear, Cubic, Reciprocal, Gradient, Intercept, 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

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

www.mathsgenie.co.uk

www.mathsbot.com

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

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

<https://corbettmaths.com/>

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

<https://www.dr frostmaths.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 on the Edexcel website.