

MATHEMATICS

Year 8

Topics studied:

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| <u>Half Term 1:</u> Algebra 3 | Coordinates & graphs recap, Inequalities (symbols, on a number line, solving & representing on a graph) |
| <u>Half Term 2:</u> Number 2 & statistics project | Fractions and percentages of amounts Averages & presenting data as graphs. |
| <u>Half Term 3:</u> Geometry 2 | Reading scales, time, area, perimeter, surface area, volume, circumference of a circle, conversions, Pythagoras & trigonometry |
| <u>Half Term 4:</u> Number 3 | Fractions, decimals, percentages, ratio & proportion |
| <u>Half Term 5:</u> Algebra 2 | Construction, loci, symmetry, transformations, similar shapes |
| <u>Half Term 6:</u> | Revision for end of year exam & investigations to support answering functional skill style questions |

Subject specific websites to support revision and independent learning:

Mymaths (lessons, homework and games): <http://www.mymaths.co.uk>
 BBC Bitesize (revision and tests): <http://www.bbc.co.uk/education/subjects/zqhs34j>
 Subtangent (revision, games and investigations):
<http://www.subtangent.com/maths/index.php>
 Nrich (games and puzzles): <http://www.nrich.maths.org.uk/public/index.php>
 Counton (lots of games): <http://www.counton.org/games/>
 Sums (games): <http://www.sums.co.uk/playground.htm>
 Mathsapps (find apple maths apps): <http://www.mathsapps.com/>
 Brainbashers (games and puzzles): <https://www.brainbashers.com/puzzles.asp>
 Funbrain (puzzles & games): <http://www.funbrain.com/>
 Hellam (puzzles & games): <http://www.mathematics.hellam.net/>

Recommended reading:

Key Stage Three Mathematics Higher Level: The Workbook (includes answers) by CGP
 Key Stage Three Mathematics Foundation Level: The Workbook (includes answers) by CGP
 Key Stage Three Mathematics Higher Level: The Study Guide by CGP
 Key Stage Three Mathematics Foundation Level: The Study Guide by CGP
 Mathswatch disc

Additional Information:

We have a chess club on Thursday lunchtimes
 There are revision resources on the school website