Mathematics

Key Contact:
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Key Information

To achieve a Grade 8, I will be able to:

- Understand & use standard form
- Iteration
- Shade inequalities
- Draw & use cumulative frequency curves & box plots
- Work with fractional & negative indices
- Work with upper & lower bounds
- Re-arrange formulae
- Enlarge with negative scale factor
- Draw histograms
- Solve quadratics, expand and factorise quadratics
- Work out unknown sides & angles using Trigonometry
- Complete & use tree diagrams to find probability
- Solve quadratics by factorising & using the quadratic formula
- Solving simultaneous equations including quadratics
- Using sine & cos rules
- Working out area of sector & length of arc
- Stratify samples
- Work out unknown angles using circle theorem
- Covert recurring decimals to fractions
- Work through problems involving direct and inverse proportion
- Work with algebraic fractions
- Inverse & composite functions
- Find vectors

To achieve a Grade 5, I will be able to:

- Work out averages from frequency/ grouped frequency tables
- Calculate area of shapes (e.g compound shapes, circles, trapezium)
- Solve equations using the balance method
- Work out unknown sides using Pythagoras theorem
- Work out unknown angles using angle facts including angles in parallel lines
- Collect like terms
- Change the subject of a formula
- Expand & factorise expressions
- Know & use the laws of indices
- Interpret Time Graphs
- Work out the volume of a prism
- Work out probability
- Interpret questionnaires
- Form and solve equations
- Construct triangles
- Identify loci
- Work out the nth term of a sequence
- Work through bearings questions
- Understand trigonometry
- Solve simultaneous equations

Useful Information:

Exam board: OCR

Websites:
www.mymaths.co.uk
username: favell
password: square

https://www.mathswatchvle.com/
example: sam joe
login: SJoe@westonfavell
password: changeme

mathsapp.pixl.org.uk
School ID: WF4071
User ID: surnameinitial
Password: surnameinitial
example: smithj

Revision Texts:
Author: Collins GCSE
OCR GCSE Revision (Higher)
OCR GCSE Revision Guide (Foundation)

Top Tips

- Practice doing questions under exam conditions
- Don't just practice the topics you can do
- Don't just read through the text book
- Ask for help if you need it!

Exam Dates and Deadlines:

Paper 1 – 20th May, Paper 2 – 7th June Paper 3 – 13th June
Tiers of entry: Foundation and Higher
Each paper is 1hr 30 minutes long and is equally weighted(2 calculator papers and 1 non-calculator paper)