Year 11 home work: AQA exam papers

CHALLENGE! L2 Further Maths Qualification

AQA

PGL

Levels of understanding in maths:

Fluency — Reasoning — Problem Solving

YEAR 11

HIGHER

- Gradients and areas of graphs, Pre-calculus, Algebraic fractions
- Vector geometry, ratio and vectors, similarity, proof

FOUNDATION

- Direct & inverse proportion;, variables, formulae & graphs
- Consolidate, reasoning, problem solving & algebra in other topics

Homework paper reviews will help focus in lesson revision

- YEAR 11 MOCK 1 PAPER 1
- YEAR 11 MOCK 1 PAPER 2
- YEAR 11 MOCK 1 PAPER 3

Revision: Mock feedback, paper by paper review, targeted revision & exam skills

- YEAR 11 MOCK 2 PAPER 1
- YEAR 11 MOCK 2 PAPER 2
- YEAR 11 MOCK 2 PAPER 3

Revision: Mock feedback, paper by paper review, targeted revision & exam skills

Core Revision Residential

Revision: Mock feedback, paper by paper review, targeted revision & exam skills

Revision: Mock feedback, paper by paper review, targeted revision & exam skills

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Revision: Mock feedback, paper by paper review, targeted revision & exam skills

- GCSE EXAM PAPER 1
- GCSE EXAM PAPER 2
- GCSE EXAM PAPER 3

- SIXTH FORM FOR L2/3 STUDY
- L2/3 APPRENTICESHIP

Use Corbett maths to help you revise

Corbettmaths

Maths Revision Conference

- WORK EXPERIENCE
- END OF YEAR 10 ASSESSMENT PAPER 3
- END OF YEAR 10 ASSESSMENT PAPER 1
- END OF YEAR 10 ASSESSMENT PAPER 2

Do you know AO1, AO2 & AO3?

Year 11: attend revision after school to support and boost your Maths knowledge

YEAR 10

HIGHER

- Circle theorems, problem solving & reasoning Revision for EOY exams
- Solving equations, Simultaneous equations, Probability
- Growth and decay, Transforming Functions, non right angled Trigonometry
- Sketching graphs, Trigonometry recap, Vectors, Growth and decay
- Iteration, Sketching graphs Functions, Vectors Direct and inverse Proportion
- Ratio and proportion, Statistical measures, Surface area, Linear graphs
- Angles, Scale drawing, Bearings Inequalities, Circle equations, Simultaneous equations
- Probability, Plans and elevations, Area & circumference, Solving quadratics
- Construction Loci, Probability, Histograms, Completing the square, Plans
- Scatter graphs Inequalities, Trigonometry, similarity, Angles, bearings & Scale drawing
- Compound measures, Surds, Std form, Ratio and proportion, Similarity

FOUNDATION

- Compound measures, Std Form, Indices, Constructions, Ratio & proportion

A Maths Peer Mentor — Become — Inter. Maths Challenge

United Kingdom Mathematics Trust

Yr 9 & 10 assessments are based on real GCSE papers

GCSE Maths:
P1: non-calc
P2: calc
P3: calc

hegartymaths

Calculating Tax

SCIENCE

Every lesson will start with a recap of previous work and link to your knowledge organisers

All homework is set on Hegarty or from your knowledge organiser booklets

Maths in: GEOGRAPHY

YEAR 9

HIGHER

- Number and Shape: Approximation, fractions, decimals, 2D shapes, Circ & area of circles
- Algebra and Data: Yr 8 recap, Notation, Manipulation, Box plots, Cum. freq, Histograms
- Algebra and Number: Solving Equations, % change & reverse HCF, LCM Bounds, Sig Fig
- Pythagoras & Trig: Right angled triangles, Pythagoras in 3d
- Volume & graphs: Spheres, Pyramids, Linear graphs, nth term, Quadratic sequences
- Algebra & Shape: Expanding, DOTS Factorising, Indices, Rearranging, Transforms

FOUNDATION

- Number and shape: Estimating, fractions, converting FDP, decimals, 2D shapes
- Area and Data: Circumference, Area Collecting and representing data
- Algebra and Number: Yr 8 recap, Notation, Manipulation, Solve Equations, HCF LCM, Sig Fig
- Shape and Sequences: Pythagoras 2D, Prisms, Pyramids, Composite solids, nth Term
- Graphs, % & transforms: Straight line, Real life % change, Rotate, Reflect, Translate Enlarge
- Algebra and shape: Expanding double brackets, factorising quadratics, Polygons

Inter. Maths Challenge — Personal Finance

- END OF YEAR 9 ASSESSMENT PAPER 1
- END OF YEAR 9 ASSESSMENT PAPER 2

SUPPORT! Entry Level Certificate Qualification

Year 9 & 10: use maths club at lunch time to get homework help & extra support

You may notice more exam style questions in lessons

Yr 8: Post tests are completed each half term

Always be PROUD of your work

- END OF YEAR 8 MAT WIDE ASSESSMENT

Save a baby kanga — Junior Maths Challenge — Robot Club — Paris & Disney Trip — Code breaking Team Maths Challenge

YEAR 8

- Pythagoras & Statistics: Collecting data, Charts and graphs, Averages and range
- Shape: Sketch graphs, Reflection, Rotation, Enlargements, Translation, Invariance
- Measures & Probability: Circles, Volume, Circumference and area, Relative Frequency
- Expanding & Factorising: Single brackets, Solving, area and Perimeter with brackets
- Percentages and Ratio: Equivalence, multipliers Simplifying, sharing, % inc/dec
- Sequences, Angles, Equations: Fibonacci, Polygons, Vertically opposite, solve equations
- END OF YEAR 7 MAT WIDE ASSESSMENT

Calculator skills will be covered in EVERY topic in EVERY year!

ESSENTIAL MATHS EQUIPMENT:

All Years have Knowledge Organiser booklets each term

$e^{i\pi}+1=0$

YEAR 6

- TRANSITION VISITS Maths lesson

YEAR 5

- OPEN EVENING: Come and see maths YR 5 VISITS

YEAR 7

SATS

- Place value, Addition & Subtraction: Decimals, negatives, inequalities, 4 operations
- Special Numbers and intro to fractions: HCF, LCM, Prime factorisation, reciprocals
- Fractions & rounding: Ordering, perimeter decimal places x and ÷ fractions
- Algebra and fractions: Substitution, Expressions, Equations, +- fractions
- Area, Angles & Sequences: Estimate angles, nth term, Calculate Angles, Area trapeziums
- Shape: Bearings, Measures, Using Coordinates, Using a calculator

Yr 7: Pre & Post tests are completed each half

Become a: MATHS AMBASSADOR

Learn to use: hegartymaths

Welcome to The Farnborough Academy

Developing understanding: Fluency, Reasoning then Problem Solving

Achieve | Believe | Commit