



Bishop Challoner Catholic College **Maths Department**

Year 10 Higher Revision List: Autumn 1

You will be undertaking your first Year 10 assessments at the beginning of next half term. The papers are designed to mostly test your learning from September of Year 10, but will also require you to recall knowledge from Key Stage 3. Teachers will use your scores to help form a judgement about your progress in the GCSE course ahead of the December reporting stage.

Paper 1 (non-calculator): Thursday 7th November 2019

Paper 2 (calculator): Wednesday 13th November 2019

Each paper is one hour long.

It is recommended that you use your class notes and MathsWatch to help with your revision. Below are the clips that are relevant to the topics that are to be tested.

Reminder: MathsWatch is at www.vle.mathswatch.co.uk

Your username is the same as your **mymaths** username **@bishopchalloner**

Your password is **bishop**

When you log in, click on Videos. Ensure that you have selected qualification as 'GCSE' to be able to view the appropriate clip numbers.

Your time on MathsWatch topics is recorded on the website; your teacher will be able to see how much revision you have done on Mathswatch!

Algebra

Topic	MathsWatch Clip Number
Algebraic manipulation	33, 34, 35
Coordinates	8, 113
Expanding brackets	93
Factorising	94
Substitution	95
Expanding and simplifying, including quadratics	134a, 134b
Solving linear equations	135a
Rearranging formulae	136, 190
Factorising and solving quadratics	157, 158, 192
Solving simultaneous equations	140, 162, 211
Simplifying algebraic fractions	210a
Drawing quadratic graphs and solving equations graphically	98, 160

Number, Ratio & Proportion

Topic	MathsWatch Clip Numbers
Adding, subtracting, multiplying & dividing decimals	3, 17, 18, 66, 67
Adding, subtracting, multiplying & dividing fractions	25, 266, 71a, 72, 73, 74
Ordering fractions, decimals and percentages	3, 70, 85
Percentages of amounts	86, 87
Increase/decrease by a percentage	108
Percentage change	109
Reverse percentage problems	110
Compound interest and depreciation	164
Ratio (sharing in a given ratio)	38, 106
Proportion (including recipe questions and value for money)	39, 41, 42
Compound Measures	142

Handling Data and Geometry

Topic	MathsWatch Clip Number
Averages & range	62, 130a, 130b
The probability scale	14
Calculating probabilities	59
Mutually exclusive events	60
Listing outcomes	58
Experimental probabilities	125
Tree diagrams	151, 175
Angles in a triangle	121
Angles and parallel lines	120
Area & perimeter of rectangles and triangles	52, 53, 54
Area & circumference of a circle	117, 118
Volume of prisms	115, 119
Pythagoras' Theorem	150a, 150b

REMEMBER:

- A little revision each night will help. Two clips per night!
- Make use of the interactive questions for each clip, and try some of the worksheets
- Use any lesson time given for productive revision.
- If you need help – ask your teacher or come to the maths drop in on Wednesday evenings.
- If you have netbook problems, ask your teacher for worksheets.