Bishop Challoner Catholic College
Maths Department

Year 10 Mock Foundation Revision List

You will be undertaking your end of year assessments during May and June. 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. The assessments will be similar in format to GCSE papers, and therefore there will also be topics that you may not yet have covered that will appear in the papers. This is intentional, and is designed so that you can receive an accurate reflection of your current working grade. Teachers will use your scores to help form a judgement about your progress in the GCSE course, and your scores will be reported home.

Paper 1 (Non-calculator): **Monday 20th May (auditorium) – 1 hour 30 minutes (80 marks)**
Paper 2A (Calculator): **Wednesday 22nd May – 50 minutes (40 marks)**
Paper 2B (Calculator): **Thursday 23rd May – 50 minutes (40 marks)**
Paper 3 (Calculator): **Tuesday 18th June (auditorium) – 1 hour 30 minutes (80 marks)**

It is recommended that you use your class notes, MathsWatch, corbettmaths and revision guides 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' and then search for each topic using the topic titles provided below.

Other useful websites:
https://corbettmaths.com/contents/
Use this website for worksheets and worked solutions on various different topics.

Algebra

Topic	MathsWatch?	Corbett maths?
Algebraic Manipulation including collecting like terms		
Expanding brackets		
Factorising		
Substitution		
Expanding and simplifying, including quadratics		
Solving linear equations		
Rearranging formulae		
Forming and solving expressions and equations		
Drawing straight line graphs and co-ordinates		
Drawing quadratic graphs		
Using the nth term of linear and quadratic sequences		

Number, Ratio & Proportion

Topic	MathsWatch?	Corbett maths?
Ordering, multiplying, dividing integers		
Adding, subtracting, multiplying & dividing decimals		
Adding, subtracting, multiplying & dividing fractions		
Ordering fractions, decimals and percentages		
Fractions and percentages of amounts		
Converting between fractions/decimals/percentages		
Increase/decrease by a percentage including compound interest		
Compound interest and depreciation		
Ratio (sharing in a given ratio)		
Proportion (including recipe questions and value for money)		
Proportion (including scale drawings)		
Money questions		
Factors, multiples and primes (including LCM and HCF)		
Powers/Indices and reciprocals		
Rounding and estimating to decimal places/significant figures		
Standard Form		
Bounds		
Problems involving time and bus timetables		
Compound measures (speed & pressure)		

Handling Data and Geometry

Topic	Mathswatch?	Corbett maths?
Averages & range		
Averages from a table		
Tally charts & bar charts		
Frequency Diagrams (including frequency polygons)		
Stem and Leaf		
Drawing Pie Charts		
Scatter Diagrams		
Area and perimeter (including circles and semi-circles)		
Angles in parallel lines		
Angles in polygons		
Unit conversions (mm/cm/m; g/kg etc)		
Nets, plans and elevations		
Volumes of prisms including triangular prisms		
Surface area of 3D shapes (including pyramids)		
Transformations including reflection, rotation, translations		
Pythagoras and right angle trigonometry		

Probability

Topic	Mathswatch ?	Corbett maths?
Probability scales and probability tree diagrams		
Theoretical and experimental probability		
Venn Diagrams and set notation		
Frequency trees		
Listing strategies		