



## **Bishop Challoner Catholic College** **Maths Department**

### **Year 10 Summer Assessments 2025:** **Higher Revision List**

**Assessment 1 (Calculator):** Monday 2<sup>nd</sup> June

**Assessment 2 (Non-Calculator):** Thursday 5<sup>th</sup> June

It is recommended that you use your class notes and <https://vle.mathswatch.co.uk/vle/> to help with your revision. Below are the clips that are relevant to the topics that are to be tested.

Your username is the same as the beginning of your email address:

**21aaabbb@bishopchalloner** where **aaa** are the first 3 letters of your first name, and **bbb** are the first 3 letters of your surname. Password is **bishop**

When you log in, click on videos, and select the qualification as 'GCSE'.

Equipment required for mock: Calculator, ruler, pen and pencil
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### **Calculator Topic List (80 marks)**

Topic	Mathswatch	Revised?
Expanding & simplifying expressions	93	
Linear simultaneous equations	162	
Percentage increase and decrease	108	
Highest common factor and lowest common multiple	79, 80	
Simplifying algebraic indices	82	
Solving equations involving fractions	135a	
Angles in polygons	123	
Averages from frequency tables	130a/b	
Two-way tables	61	
Quadratic graphs including sketching and solving	98, 160	
Finding equations of lines	159a,b	

Topic	Mathswatch	Revised?
Application of ratio and percentages	165a	
Recurring decimals to fractions	189	
Solving problems with compound interest	164	
Probability tree diagrams	151,175	
Drawing and interpreting histograms	205	
Calculations with bounds	132, 206	
Box plots	187	
Spheres	169	
Compound Units	142	
Calculator Questions	77	
Equations of circles	197	

## **Non-Calculator Topic List (50 marks)**

Topic	Mathswatch	Revised?
Sequences	37, 102, 103	
Quadratic graphs	98	
Prime factor decomposition	78	
Equations of perpendicular lines	208	
Standard form conversions & calculations	83	
Angles in parallel lines	120	
Fraction arithmetic	71-74	
Percentage change	109	
Capture recapture	152	
Cumulative frequency diagrams	186	
Combining ratios	165c	
Subdividing ratios	165b	
Stem and leaf diagrams	128b	
Index laws, including negative and fractional indices	82, 131, 154, 188	
Rearranging formulae	136, 190	
Cubic and reciprocal graphs	161	