

## Year 11 PPE3 Higher Paper 2 Calculator Topic List Feb 2024

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Answer questions, show all working out in your book  
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Topic	Sparx Code	Revised?
Position-to-term rules for arithmetic sequences	U498	
Enlargement by a positive scale factor	U519	
Finding error intervals	U657	
Graphs of cubic functions	U980	
Percentage change	U671	
Finding the percentage an amount has been changed by	U278	
Finding fractions of amounts with a calculator	U916	
Calculating with rates	U256	
Calculating with roots and powers	U851	
Finding prime numbers	U236	
Using recurring decimal notation	M701	
Finding unknown angles in right-angled triangles	U545	
Tree diagrams for independent events	U558	
Solving simultaneous equations using elimination	U760	
Constructing and solving equations	U599	
Angles on parallel lines	U826,	
Combining angle facts	U655	
Interpreting frequency tables with grouped data	U312	
Drawing histograms with unequal class widths	U814	
Finding the volume of frustums	U350	
Calculating with density	U910	
Understanding column vectors	U632	
Multiplying column vectors by a scalar	U564	
Circle theorems for chords and tangents	U489	
Using Pythagoras' theorem in 2D	U385	
Interpreting graphs of quadratic functions	U667	
Simplifying algebraic fractions by factorising into one bracket,	U437	
Expanding double brackets	U768	
Geometric proofs with congruence and similarity	U887	
Solving equations with the unknown on both sides	U870	
Sketch graphs of water flows	U896	
Estimating gradients of non-linear graphs using tangents	U800	
Adding and subtracting algebraic fractions	U685	
Finding the surface area of prisms,	U259,	
Solving quadratic inequalities	U133	
The sine rule	U952	
Sine Rule for Area	U592	
Changing the subjects of formulae	U556	
Writing and simplifying ratios	U687	
Tree diagrams for dependent events	U729	
Translating graphs	U598	
Reflecting graphs	U487	