Year 10 June 2025 PPE HIGHER Revision list

Торіс	Sparx Number	R	A	G
Finding fractions of amounts	U916			
Multipliers (increase and decrease)				
Example Increasing by 20% x1.2 Decreasing by 20% x0.8	U671			
Compound interest	U332			
Percentage Change	M533			
Reverse Percentages (find the original amount)	U286			
Three basic index laws Examples $a^4 \times a^7 = a^{11}$ $b^9 \div b^2 = b^7$ $(b^4)^2 = b^8$	U235			
Knowing any number to the power zero equals one Example $a^0 = 1$	U235			
Calculating reciprocals				
Example $2 \rightarrow \frac{1}{2}$	M216			
Simplifying algebraic notation including indices	U105/ U662			
Negative index laws	U662			
Simplifying algebraic notation which include negative powers	U662			
Example $5x^3y \times 2x^{-4}y^2$				
Solving an equation with unknowns on both sides	U870			
Adding and subtracting algebraic fractions	U685			
Cancelling down with algebraic fractions	U103			
Cancelling down with algebraic fractions by factorising into one bracket	U437			
Expanding single brackets	U179			
Expanding double brackets	U768			
Expanding triple brackets	U606			
Factorising into a single bracket	U365			
Factorising into 2 brackets	U178			

Торіс	Sparx Number	R	Α	G
Factorising – difference of 2 squares	U963			
Harder factorisations (coefficient in front of x^2)	U858			
Solving a quadratic equation by factorising	U228			
The quadratic formula	U665			
Completing the square	U589			
Finding the turning point of a quadratic by completing the square	U769			
	11000			
Simplifying surds	0338			
Multiplying and dividing surds	U633			
Rationalising the denominator containing a single term	U707			
Angles in regular polygons	U427			
Angle facts – on Parallel lines	U826			
(Vertically opposite, Alternate, Corresponding, Co-interior)				
Circle theorems	U459, U251, U489, U130,			
	U808			
Volume of a cuboid	U786			
Area of a trapezium	U265			
Probability from mutually exclusive events	U683			
Completing 2 way tables	U981			
Probability trees	U806			
Completing venn diagrams	U699			
Set notation	U748			
Reading from a straight line graph	U669			
Finding the gradient from a straight line graph	U315			

Торіс	Sparx Number	R	A	G
Interpreting pie charts	U172			
Frequency trees	U280			
Plotting cumulative frequency curves	U182			
Finding median & quartiles from cumulative frequency curves	U642			
Drawing box plots	U879			
Comparing box plots	U837			
Drawing histograms with unequal class widths	U814			
Plotting scatter graphs	U199			
Reading from scatter graphs	U277			
Sharing amounts in a given ratio	U577			
Ratio in the form 1 : n	U687			
Converting between ratio and fractions	U176			
Combining ratio	U921			
Linking ratio and algebra	U676			