Year 9 Revision List – Intermediate   HT2

Algebra, Indices and Sequences:

Objective	Sparx Task	
Simplify expressions using sums, products and powers including using index laws	M120	
Expand and simplify multiple single brackets e.g. 5(x+2) +2x and x3(3x-2)-2(x+3)	M792	
Take out common factors to factorise	M100	
Substitute positive and negative numbers into expressions and formulae	M208	
Expand double brackets e.g. (x+5)(x+3)	M960	
Expand double brackets in context e.g. areas of shapes	M957	
Find the square of a single bracket e.g. $(x-3)^2$	M960	
Represent inequalities on a number line	M384	
Solve single linear inequalities and represent solutions on a number line including fractions	M118	
Solve two step linear inequalities and represent solution on a number line including fractions	M118	
Solve double sided linear inequalities and represent solutions on a number line	M732	
Represent linear sequences with pictures	M118	
Find the nth term of a linear sequence using pictures	M866	
Find the nth term of a linear sequence of numbers	M991	

Accuracy and Measures:

Objective	Sparx Task	
Find average speed from a distance time graph	U462	
Find average speed given in different measures	U151	
Use average speed to find distance and time taken	U462	

Convert compound units		
Convert metric units of volume and area	M772, M530, M761	
Understand density	U910	
Understand pressure	U527	