Year 9 Revision List – Foundation   HT2 2022-23

Algebra, Indices and Sequences:

Objective	Sparx Task	
Know what an expression is and write one from words	M830	
Simplify expressions involving multiplication and division	M795	
Simplify expressions involving sums and powers including use of index laws	M120	
Continue a linear sequence, find missing terms in a linear sequence	M381	
Find terms given the nth term rule	M166	
Find the nth term rule	M991	
Find the nth term rule from pictures	M866	
Find the inverse of a function using a function machine	M428	
Substituting into expressions using + - x and divide using order operations	M417	
Substituting into expressions involving powers and roots	M327	
Identify a formula and write simple formulae from words	M957	
Interpret real life graphs to write formula e.g. taxi fare	M771	
Substitute positive and negative numbers into expressions and formulae including with powers	M208	
Expand single brackets	M237	
Expand and simplify expression involving two single brackets e.g. 2(x-3)+4(x+2)	M792	
Identify common factors in an expression	M100	
Factorise an expression by taking out an algebraic common factor	M100	
Expand double brackets and collect like terms	M960	

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	