Year 7 Objective List – Higher   HT2

Calculating:

Objective	Sparx Task	
Addition and subtraction using bar modelling		
Understand and use the laws of commutativity	M952	
Use the adjusting method to solve addition and subtraction problems		
Position negative integers on a number line	M527, M763	
Add and subtract with positive and negative numbers	M106	
Add and subtract integers using column method	M106	
Multiply integers using formal written methods	M187	
Divide integers by single digit integers	M354	
Multiply with negative numbers	M288	
Divide with negative numbers	M288	
Divisibility Rules	M823	
Identify factors using division	M823	
Identify prime numbers	M322	
Identify and use multiples of numbers		
Find the LCM of a set of numbers	M227	
Find the HCF of a set of numbers	M698	
Index notation for squares and calculating with squares and square roots	M135	
Index notation and writing a number as a product of prime factors	M108	
Calculating square and cube roots using factorisation		
Order of operations with addition, subtraction, multiply and divide	M521	
Order of operations with powers	M521	
Calculations under a square root	M521	
More complicated operations involving calculations on numerators and denominators	M521	
Squaring negatives on a calculator and using a calculator	M757	

Expressions, Functions and Formulae:

Objective	Sparx Task	
What is a term and what is the coefficient term		
Identify term, expression, formula and equation		
Collecting like terms with positive coefficients	M949	
Collecting like terms with negative coefficients	M949	
Collecting like terms more practice combining positive and negative terms	M949	
Multiplying terms	M120	
Dividing terms	M120	
Simplify terms using multiplication and division	M120	
Multiply an integer over a bracket	M237	
Multiply a single term over a bracket	M237	
Expand and simplify multiple single brackets	M792	
Factorise an algebraic expression with integer factor	M100	
Construct simple expressions from words		
Substitute positive and negative numbers into expressions and formulae	M208	
Substitute positive and negative numbers into expressions involving powers	M208	
Use function machines to find the input, output or function	M428	
Solve missing number problems using inverse operations		