Year 7 Objective List – Higher   HT1 – 2022-23

Place Value and Calculating:

Objective	Sparx Task	
Understand decimal place value	M522	
Order decimals	M522	
Multiply and divide by powers of 10	M113	
Round to the nearest whole number	M111	
Round to a given number of decimal places	M431	
Round to a given number of significant figures	M994	
Use rounding to significant figures to estimate in simple problems	M878	
Begin to understand the concept of bounds when rounding to the nearest 10,100,1000	M730	
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	