



Longfield Learning Journey



Key Stage 3 Extend	Unit 1 – Year 8 Factors and Multiples	Term: 1.1		
Key Words:	Prerequisites	R	A	G
Factor, Multiple, Multiply, Divide, Prime, Prime Numbers, Index Notation, Square Roots, Cube Roots	Know what is meant by an integer.			
	Identify factors of a given number.			
	Identify multiples of a given number.			

	Content: Factors and Multiples Unit 1	R	A	G
1.1 Primes, Prime Factorisation and Index Notation	Recognise prime numbers			
	Express a composite number as a product of its prime factors			
	Represent the prime factorisation of a number in index notation			
1.2 Highest Common Factor (HCF)	Find the highest common factor (HCF) of a group of numbers by using prime factorisation.			
1.3 Lowest Common Multiple (LCM)	Find the lowest common multiple (LCM) of a group of numbers by using prime factorisation.			
1.4 Square Roots, Cube Roots and Prime Factorisation	Understand the use of prime factorisation to find the square root and cube root of a number			

K <i>What you know</i>	W <i>What you want to know</i>	L <i>What have you learned</i>