## Y10 ESSENTIAL KNOWLEDGE / LITERACY (P) (LEARN THESE KEY FACTS FROM PREVIOUS YEARS)

1.	Integer means 'whole number'		
2.	Factorise means 'put into brackets'	LITERACY	
3.	Units of length: 1 km = 1000 m 1 m = 100 cm 1 cm = 10 mm	IN MATHS	
4.	The first ten <b>square numbers</b> are: 1, 4, 9, 16, 25, 36, 49, 64, 81, 100		
5.	The first five <b>cube numbers</b> are: 1, 8, 27, 64, 125		
6.	Angles on a straight line		
	add up to 180°		
	Angles around a point Opposite angles add up to 360° are equal	es	
7.	Product means 'multiply' (e.g. the product of 4 and 3 is 12)		
8.	The <b>multiples</b> of a number are its times table (e.g. multiples of 10 are 10, 20, 30,)		
9.	A <b>factor</b> goes into another number (e.g. the factors of 10 are 1 & 10, 2 & 5)		
10.	A <b>prime number</b> has exactly two factors (1 and itself) Learn the first few primes: 2, 3, 5, 7, 11, 13, 17, 19,		
11.	<u>Rectangle</u> <u>Parallelogram</u> <u>Tri</u>	iangle	
	$Area = b \times h$ $Area = b \times h$ $Area = b \times h$	$b \times h$	
	Area =	$\overline{2}$	
	h	$\int h$	
	b $b$		
12.	A <b>polygon</b> is any shape with straight sides (e.g. triangle, hexagon, octagon)		
13.	Bisect means 'cut exactly in half'		
14.	parallelogram trapezium kite rhombus	Know	
15.	An <b>expression</b> is a combination of numbers or letters e.g. 5h, 3a + 9b <sup>2</sup> (An expression does not include an = symbol)		
16.	An <b>equation</b> is a statement in algebra, including the = symbol, which is only true for certain values of the unknown e.g. $5x + 3 = 23$ is true when $x = 4$		
17.	radius diameter circuit	mference	
18.	In algebra, a <b>coefficient</b> is the number part of a <b>term</b> (e.g. in $4n^2 - 3n$ , the coefficient of $n^2$ is 4 and the coefficient of n is -3.)		
19.	Units of mass/weight: $1 \text{ kg} = 1000 \text{ g}$ $1 \text{ g} = 1000 \text{ mg}$ (milligrams)		
20.	$\frac{1}{4} = 0.25 = 25\%$ $\frac{1}{2} = 0.5 = 50\%$ $\frac{3}{4} = 0.75 = 75\%$ $\frac{1}{5} = 0.2 = 0.2$	= 20%	



