

Example of Year 7 Maths Assessment Grid - Topics covered in the 1<sup>st</sup> 2<sup>nd</sup> and 3<sup>rd</sup> half terms

			Step 0.1	Step 0.2	Step 0.3	Step 0.4 (GCSE target grade 2)	Step 0.5	Step 0.6	Step 0.7 (GCSE target grade 5)	Step 0.8	Step 0.9	Step 1.0 (GCSE target grade 8)	Step 1.1	Step 1.2
	Unit	Topic												
Yr7 HT1	1	Logic				Deduce information from a two way table	Present information about situations on a two way table	Use logic puzzles to help you think mathematically	Use the idea of sets to classify numbers and objects and illustrate sets in a Venn diagram	Know the mathematical notation for sets	Use Venn diagrams to solve logic problems	Work out probabilities from two-way tables	Draw Venn diagrams and use them to calculate probabilities	
Yr7 HT1	2	a Integers and place value		Understand the place value of each digit and place numbers in order	Add, subtract, multiply and divide positive and negative numbers (integers)	Recall all multiplication facts to 10x10 and use them to derive quickly the corresponding division facts	Multiply and divide any number by powers of 10.	Use the order of operations (BIDMAS) for calculations with brackets.	Round numbers to a given power of 10;	Use inverse operations to check an answer. Use rounding to estimate answers to problems and check if they are of the correct magnitude.				
Yr7 HT1		b Decimals		Use and understand decimal notation and place value in contexts such as money	Compare and order decimal numbers using the symbols <, >	Add, subtract, multiply and divide decimals, including calculations involving money;	Multiply or divide by any number between 0 and 1	Round to the nearest integer	Round to a given number of decimal places and significant figures;	Estimate answers to calculations by rounding numbers to 1 significant figure	Use one calculation to find the answer to another related calculation			
Yr7 HT1		c Indices, powers and roots					Recall square numbers and square roots (positive and negative) up to 100. Use index notation (powers) for squares and cubes.	Recall the cubes of 1, 2, 3, 4, 5 and 10. Recognise powers of 2, 3, 4, 5. Use index notation for powers of 10, including negative powers.	Evaluate expressions involving squares, cubes and roots. Add, subtract, multiply and divide numbers in index form.	Use the laws of indices to multiply and divide numbers written in index notation. Cancel common factors to simplify a calculation.	Use the order of operations (BIDMAS) with indices and brackets.	Use calculators for all calculations, including negative numbers, brackets, squares, cubes, powers and roots, brackets and fractions.		
Yr7 HT2		d Factors, Multiples and Primes			Recognise odd, even, square, cubic and prime numbers	Recognise and describe multiples and factors	Use a factor tree to work out the prime factors of a number	Work out the Highest Common Factor (HCF) of two numbers	Work out the Lowest common multiple (LCM) of two numbers	Use venn diagrams to calculate HCF and LCM	Solve worded problems using HCF, LCM and prime numbers.			
Yr7 HT2	3	a Algebra: the basics				Write a simple algebraic expression correctly, e.g. 4a and not 4xa.	Know the difference between expression, equation & formula.	Simplify an expression by collecting like terms.	Multiply two simple algebraic expressions, e.g. $3a \times 4b = 12ab$ . Simplify expressions by cancelling common factors, e.g. $4a/2 = 2a$	Use the rules of indices when multiplying and dividing algebraic terms.	Understand the $\neq$ symbol and introduce the identity $\equiv$ sign.			

### **How are the assessment grids used to enhance teaching and learning?**

The learning grids can be found at the front of the student's exercise books, in a plastic pocket.

After each assessment, the teacher has marked on the grid where the student has made progress along with any target areas for development. The students are given targeted work to complete, in order to close any knowledge gaps. This is followed up by the teacher.

Follow up work is usually in the form of hegarty maths or a worksheet.

Parents are encouraged to regularly check their child's Maths book.

### **Who is the best person to speak to about my child's progress?**

If you have any questions about your child's Maths report or their progress in the subject, then please speak to their class teacher. You can do this during parents evening, over the phone, via email or arrange a suitable time for a meeting before or after school.

### **What can I do to support my child?**

There are many ways parents can support their children and help them make good progress in Maths.

- Ensure time and space for their work at home.
- Minimise distractions, e.g. switch off tv.
- Allowing your child computer access for online homework, e.g. hegarty maths.
- Ensuring all your child's homework is completed fully and on time.
- Encourage regular practice of basic number skills, e.g. learning their timetables.
- Encouraging your child to attend Maths Club if they need support with their work.
- Talk to your child's teacher if you have any concerns or questions about your child's Maths work or progress.