Year 9: Term 5 Curriculum Plan

CORBY Technical School

Subject	Maths			
Teacher	**Mr Horne** **Mr Jackson**	**Mrs Van de Lith** **Mrs Ferns** **Mr Lee**	**Mrs Wynn**	
Week	**Learning**			**Activities**
Week beginning 8th June	**Laws of Indices** In this learning loop you will review the laws of indices. You will be able to simplify negative and fractional indices	**Laws of Indices** In this learning loop you will recap the laws of indices. You will understand the laws regarding multiplying, dividing and indices with brackets. You will use a combination of these rules to work backwards to find missing powers	**Factors & Multiples** In this learning loop you will recap and identify factors and multiples of numbers. Knowing your times tables is essential to be able to understand how to find factors and multiples	After each lesson loop, you will be instructed to complete a quiz on Hegarty Maths. https://hegartymaths.com/ You will receive instant feedback through Hegarty Maths. We will check your quizzes and provide oral feedback in a future lesson.
	Standard Form In this learning loop you will recap multiplying and dividing in standard form You will also add and subtract in standard form ensuring that all calculations/answers are in standard form	**Standard Form** In this learning loop you will recap how to convert small and large numbers to and from standard form	**Prime Numbers** In this learning loop you will understand prime numbers. You will learn what a prime number is and apply that knowledge to worded problems	After each lesson loop, you will be instructed to complete a quiz on Hegarty Maths. https://hegartymaths.com/ You will receive instant feedback through Hegarty Maths. We will check your quizzes and provide oral feedback in a future lesson.
	Assignment An assignment will be placed on Teams. You will submit this and receive personalised feedback from your teacher. These assignments will assess your progress through the topics reviewed this term.			
Week beginning 15th June	**Surds** In this learning loop, you will recap surds and know how to multiply and divide with surds. This lesson will also be a review of the methods used to simplify surds	**Rounding 1** In this learning loop you will recap rounding to whole numbers, 10, 100 and 100a and a given number of decimal places You will use this skill in many calculations in Mathematics	**Rounding 1** In this learning loop you will recap rounding to an appropriate degree of accuracy. You will round to whole numbers, the nearest 10, 100 and 1000 . You will also round to a given number of decimal places.	After each lesson loop, you will be instructed to complete a quiz on Hegarty Maths. https://hegartymaths.com/ You will receive instant feedback through Hegarty Maths. We will check your quizzes and provide oral feedback in a future lesson.
	Estimating In this learning loop you will review rounding to significant figures. This then leads on to using significant figures to estimate complex calculations.	**Rounding 2** In this learning loop you will round to a given number of significant figures. Rounding to significant figures is an important skill needed when	**Rounding 2** In this learning loop you will understand significant figures. You will round to a given number of significant figures. This skill helps when estimating and checking answers	After each lesson loop, you will be instructed to complete a quiz on Hegarty Maths. https://hegartymaths.com/ You will receive instant feedback through Hegarty Maths. We will check your

	Estimation is an important skill.	estimating or checking answers.		quizzes and provide oral feedback in a future lesson.
Week beginning 22nd June	**Upper & Lower Bounds** In this learning loop you will be finding upper and lower bounds for rounded numbers. You will calculate with upper and lower bounds, including more complex worded questions	**Surds** In this learning loop, you will recap surds. You will multiply and divide single surds and surds that have been multiplied by a whole number	**Square & Cube Numbers** In this learning loop you will recap on square and cube numbers. You will recognise and identify square and cube numbers. You will calculate with square and cube numbers	After each lesson loop, you will be instructed to complete a quiz on Hegarty Maths. https://hegartymaths.com/ You will receive instant feedback through Hegarty Maths. We will check your quizzes and provide oral feedback in a future lesson.
	Recurring Fractions In this learning loop you will convert recurring decimals to fractions where every digit in the decimal is recurring. You will also convert recurring decimals to fractions where only some of the decimals are recurring	**Calculating with Surds** In this learning loop you will simplify surds and simplify surds in order to add and subtract surds	**Laws of Indices** In this learning loop you will recap how to write numbers in index form. You will know how to evaluate numbers to the power of 0 and 1	After each lesson loop, you will be instructed to complete a quiz on Hegarty Maths. https://hegartymaths.com/ You will receive instant feedback through Hegarty Maths. We will check your quizzes and provide oral feedback in a future lesson.
	Assignment An assignment will be placed on Teams. You will submit this and receive personalised feedback from your teacher. These assignments will assess your progress through the topics reviewed this term.			
Week beginning 29th June	**Inequalities** In this learning loop you will identify values defined by an inequality and represent inequalities on a number line. You will represent multiple inequalities on a number line to determine overlapping regions.	**Inequalities** In this learning loop you will identify integer values defined by an inequality and represent inequalities on a number line.	**Collecting 'like' terms** In this learning loop you will recap how to simplify basic expressions by collecting like terms. You will collect both negative and positive like terms	After each lesson loop, you will be instructed to complete a quiz on Hegarty Maths. https://hegartymaths.com/ You will receive instant feedback through Hegarty Maths. We will check your quizzes and provide oral feedback in a future lesson.
	Inequalities on a Graph In this learning loop you will recap how to draw equations of straight lines. You will identify regions enclosed by two or more inequalities	**Solving Inequalities** In this learning loop you will solve inequalities with unknowns on one side. You will solve inequalities with unknowns on both sides using inverse operations and represent these inequalities on a number line	**Simplifying Expressions** In this learning loop you will simplify basic expressions by multiplication	After each lesson loop, you will be instructed to complete a quiz on Hegarty Maths. https://hegartymaths.com/ You will receive instant feedback through Hegarty Maths. We will check your quizzes and provide oral feedback in a future lesson.

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Week beginning 6th July	**Factorising Quadratics** In this learning loop you will recap factorising quadratics into single brackets, in the form ax² + bx + c where 'a' is equal to 1 and greater than 1	**Factorising Expressions** In this learning loop you will recap factorising linear expressions with one factor. You will then factorise linear expressions with more than one factor	**One step Equations** In this learning loop you will solve one-step equations using inverse operations.	After each lesson loop, you will be instructed to complete a quiz on Hegarty Maths. https://hegartymaths.com/ You will receive instant feedback through Hegarty Maths. We will check your quizzes and provide oral feedback in a future lesson.
	Solving Quadratics In this learning loop you will solve quadratic equations by factorising into single or double brackets	**Factorising Quadratics** In this learning loop you will recap factorising quadratics into single brackets, in the form ax² + bx + c where 'a' is equal to 1 with both negative and positive terms	**Two Step Equations** In this learning loop you will solve equations involving all four operations, negative numbers and fractions, using inverse operations.	After each lesson loop, you will be instructed to complete a quiz on Hegarty Maths. https://hegartymaths.com/ You will receive instant feedback through Hegarty Maths. We will check your quizzes and provide oral feedback in a future lesson.
Week beginning 13th July	**Simultaneous Equations** In this learning loop you will solve simultaneous equations where neither equation needs changing and where you will eliminate a variable by either adding or subtracting one variable from another	**Simultaneous Equations** In this learning loop You will solve simultaneous equations where neither equation need changing. You will eliminate a variable by either adding the two equations together or subtracting one from the other	**Sequences 1** In this learning loop you will recap on sequences and patters. You will create a linear sequence form pictures	After each lesson loop, you will be instructed to complete a quiz on Hegarty Maths. https://hegartymaths.com/ You will receive instant feedback through Hegarty Maths. We will check your quizzes and provide oral feedback in a future lesson.
	Simultaneous Equations In this learning loop you will solve simultaneous equations where both equations need changing in order to have a matching variable	**Rearranging formulae** In this learning loop You will change the subject using inverse operations. You will change the subject of simple formulae using one and two steps	**Sequences 2** In this learning loop you will know how to identify the term to term rule from a sequence	After each lesson loop, you will be instructed to complete a quiz on Hegarty Maths. https://hegartymaths.com/ You will receive instant feedback through Hegarty Maths. We will check your quizzes and provide oral feedback in a future lesson.