CORBY Technical School

Maths	Mrs Wynn	Mr Lee	
Week	**Learning**		**Activities**
Week beginning 8th June	**Prime Factor Decomposition** In this learning loop, we will review expressing numbers as a product of prime factors. Prime factor decomposition builds upon work covered in year 7 relating to powers and indices.	**Upper and Lower Bounds** In this learning loop, we will review bounds. This topic builds upon the core rounding skills we have developed in year 7 and 8. It looks at rounded numbers and considers the upper and lower bound these numbers could have been before rounding.	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.
	Highest Common Factor In this learning loop, we will find the highest common factor using the method of prime factorisation, which was covered in the previous lesson.	**Upper and Lower Bounds** We will use what we reviewed in the previous learning loop and apply it to considering bounds in calculations.	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 15th June	**Lowest Common Multiple** In this learning loop, we will find the lowest common multiple using the method of prime factorisation we reviewed last week.	**Error Intervals** In this learning loop, we will use upper and lower bounds to create error intervals for rounded 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.
	Rounding to Decimal Places In this learning loop, we will review rounding to a specific number of decimal places. Rounding is pivotal in many aspects of mathematics, in particular rounding answers	**Writing Numbers in Standard Form** In this learning loop, we will review writing numbers in standard form. Seen in both Mathematics and Science, standard form is a way of writing large numbers i.e.	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

	to an appropriate degree of accuracy in shape questions.	distance between planets and small numbers i.e. the mass on an electron.	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 22nd June	**Rounding to Significant Figures** In this learning loop, we will review rounding to significant figures. This holds as much importance as rounding to decimal places and is seen in scientific calculations.	**Writing Numbers in Ordinary Form** Building on the previous learning loop, we will review how to convert a number in standard form back into an ordinary number.	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.
	Estimation In this learning loop, we will estimate calculations. This requires confident use of rounding which we have covered in the past two lessons.	**Adding and Subtracting Standard Form** Having previously reviewed how to write numbers in standard form into ordinary form, we will use this to add and subtract numbers in standard form.	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 29th June	**Expanding Single Brackets** In this learning loop, we will review expanding single brackets. Being a key algebra skill, it also helps us to form expressions for area of shapes later on in our learning.	**Expanding Double Brackets** We are expanding double brackets in this learning loop. It is a key algebraic topic and is one that can be used to find expressions for the area of 2D shapes later on.	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.
	Expanding Two Single Brackets In this learning loop, we build upon the previous lesson on	**Expanding Triple Brackets** In this learning loop, we are building on expanding double	After each lesson loop, you will be instructed to complete a quiz on Hegarty Maths.

expanding brackets. It will also combine our year 7 work with negative numbers and collecting like terms.	brackets, reviewing how you expand with three brackets.	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 6th July	**Expanding Double Brackets** This learning loop of expanding double brackets will extend your understanding of expanding brackets and you will see how it links to numerical multiplication.	**Factorising** In this learning loop, we are factorising quadratics. This will not only help us to review our understanding of factors, but it is essential preparation for solving quadratic equations in year 9.	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.
	Factorising In this learning loop, you will use your knowledge of highest common factor from earlier this term to factorise expressions into single brackets.	**Solving Equations** Having covered solving equations in depth in year 7, this learning loop will review equations where there is an x on both sides.	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 13th July	**Solving Equations** We will review solving equations as this a key algebra topic and will help us in later years to form and solve equations from worded problems.	**Linear Sequences** This learning loop reviews finding the nth term for a linear sequence. This combines nicely with solving equations, where you can determine whether a number is in a sequence.	You will be directed to a specific Hegarty Maths clip to watch as the part of each lesson. https://hegartymaths.com/ Your follow-up activity will be the quiz for the clip you have watched. You will receive instant feedback through Hegarty Maths. We will then review your submissions and marks on

		Hegarty and provide oral feedback in a future lesson.
Solving Equations In this learning loop, you will solve two step equations again but look at examples where the equation involves division instead of multiplication.	**Quadratic Sequences** In the previous lesson, we looked at the difference between each term of a linear sequence. We will now review examples where the difference is not the same between each consecutive pair of terms.	You will be directed to a specific Hegarty Maths clip to watch as the part of each lesson. https://hegartymaths.com/ Your follow-up activity will be the quiz for the clip you have watched. You will receive instant feedback through Hegarty Maths. We will then review your submissions and marks on Hegarty and provide oral feedback in a future lesson.