Remote Curriculum

Year 9 – Mathematics: Sets 3 and 4

Plymstock School
Achieving Excellence through Curriculum and Culture

How it Works:

1. Find the correct week commencing row.
2. Find today`s day - There are 2 different lessons in each day – you won't run out of work.
3. Choose a lesson – hold ctrl and click the chosen link.
   a. If you don't recognise the work, it appears too difficult or the link doesn't load;
      i. Try another task – look at the previous/next lesson or look at other days.
4. Some lessons have links to PowerPoints and other resources beneath the video and/or Starter Quiz (LSQ)
5. Complete any starter quizzes.
   a. Write your answer down
   b. Mark your answers and write down any corrections
6. Watch the videos and take notes.
7. Pause if/when instructed to do so to answer questions or respond.
8. Complete and go onto the next one.

Week Commencing	Week	Day	Title	Lesson 1	Lesson 2
1	B	Monday			
		Tuesday			
		Wednesday	Indices, powers and roots Factors, multiples and primes	Factors and Primes	Prime Factors
		Thursday		Square Numbers	Powers and roots
		Friday		Finding Common Multiples	Finding Factors and multiples
2	A	Monday		Finding HCF and LCM	Indices Introduction
		Tuesday		Prime Building Blocks	Prime Factorisation
		Wednesday		Using Prime Factorisation to find Factors	Factors and HCF
		Thursday		HCF and Prime Factors	Lowest Common Multiple
3	B	Monday		LCM and Prime Factors	Using Venn diagrams to find HCF and LCM
		Tuesday		Expressing Powers in Different Bases	Laws of Indices
		Wednesday		Fractional Indices	Negative Indices
		Thursday	Decimals, Integers and Place Value	Multiplying and Dividing by Powers of 10	Multiplying and dividing integers
		Friday		Multiplying and dividing decimals	Order of operations
4	A	Monday		Rounding	Rounding to decimal places
		Tuesday		Rounding to Significant Figures	Estimation
		Wednesday	Algebra – the basics	Algebraic Expressions	Algebraic Notation
		Thursday		Algebraic Notation	Expressions and Variables

		Friday		Expressions and Variables	Constructing Expressions
5	B	Monday		Constructing Expressions	Collecting Like Terms
		Tuesday		Collecting Like Terms	Collecting Like Terms 2
		Wednesday		Collecting Like Terms 2	Index Laws with Algebra
		Thursday		Substitute Positive Values into Expressions and Formulae	Substitute Negatives into Expressions and Formulae
		Friday		Substitute Negatives into Expressions and Formulae	Substitution Summary
6	A	Monday	Expressions and Substitution	Substitution Summary	Further Substitution Practice
		Tuesday		Further Substitution Practice	Multiplying and Dividing Terms
		Wednesday		Multiplying and Dividing Terms	Distributivity and Expanding Brackets
		Thursday		Distributivity and Expanding Brackets	Expanding Single Brackets
		Friday		Expanding Single Brackets	Expand Single Brackets and Collect Like Terms
7	B	Monday			
		Tuesday		Forming and Exploring Equations	Exploring Equality
		Wednesday		Exploring Equality	Forming and Solving Linear Equations Part 1
		Thursday		Forming and Solving Linear Equations Part 1	Forming and Solving Linear Equations Part 2
		Friday		Forming and Solving Linear Equations Part 2	Solving 1 Step Equations
8	A	Monday	Equations and Inequalities	Solving 1 Step Equations	Solving 2 Step Equations
		Tuesday		Solving 2 Step Equations	Forming Equations
		Wednesday		Forming Equations	Solving Equations
		Thursday		Solving Equations	Solving with unknowns on both sides
		Friday		Solving with unknowns on both sides	Solving equations with brackets
9	B	Monday		Solving equations with brackets	Solving equations with brackets and fractions
		Tuesday		Solving equations with brackets and fractions	Representing inequalities on a numberline
		Wednesday		Representing inequalities on a numberline	Solve one and two step inequalities
		Thursday		Solve one and two step inequalities	Solving inequalities with unknowns on both sides
		Friday		Solving inequalities with unknowns on both sides	Solving inequalities with algebraic fractions
10	A	Monday	Tables, charts, graphs and pie charts	Data Collection	Bar charts
		Tuesday		Bar charts	Composite and multiple bar charts
		Wednesday		Composite and multiple bar charts	pictograms
		Thursday		pictograms	Finding averages from a list of numbers
		Friday		Finding averages from a list of numbers	Stem and leaf
11	B	Monday		Stem and leaf	Mean from frequency table
		Tuesday		Mean from frequency table	Mean from grouped frequency table

		Wednesday		Mean from grouped frequency table	Interpret timetables and distance tables
		Thursday		Interpret timetables and distance tables	Design and interpret two way tables
		Friday		Design and interpret two way tables	Plot and interpret time series
12	A	Monday		Plot and interpret time series	Pie charts
		Tuesday		Pie charts	Draw and interpret a frequency tree
		Wednesday		Draw and interpret a frequency tree	Plot and interpret time series
		Thursday		Stem and leaf	Pie charts
		Friday			