Remote Curriculum

Year 10 Maths: Foundation

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 two 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	Topic	Lesson 1 Hold ctrl and click	Lesson 2 Hold ctrl and click
1/1/2024	A	Monday	Proportion		
		Tuesday			
		Wednesday		Simplifying Ratio	Divide into a ratio
		Thursday		Divide into a ratio	Find a part given a part
		Friday		Find a part given a part	Find total or difference given a part
8/1/2024	B	Monday		Find total or difference given a part	Ratio and Fractions
		Tuesday		Ratio and Fractions	Unitary Method
		Wednesday		Unitary Method	Proportion graphs
		Thursday		Proportion graphs	Proportion problems
		Friday		Direct Proportion	Solving proportion problems
15/1/2024	A	Monday	Pythagoras	Know and understand Pythagoras' Theorem	Find Hypotenuse
		Tuesday		Find Hypotenuse	Find shorter side
		Wednesday		Find shorter side	Finding missing length
		Thursday		Finding missing length	Showing a triangle is right angled
		Friday		Showing a triangle is right angled	Finding length of line segment
22/1/2024	B	Monday		Finding length of line segment	Pythagoras with isosceles
		Tuesday		Pythagoras with isosceles	Pythagoras with two triangles

Date	Week	Day	Topic	Lesson 1	Lesson 2
		Wednesday		Pythagoras with two triangles	Pythagoras Theorem
		Thursday		Pythagoras Theorem	Pythagoras theorem 2
		Friday		Pythagoras theorem 2	Finding length of line segment
29/1/2024	A	Monday	Trigonometry	Know tangent, sine and cosine	Use tangent to find a length
		Tuesday		Use tangent to find a length	Use sine and cosine to find a length
		Wednesday		Use sine and cosine to find a length	Applying trigonometry
		Thursday		Applying trigonometry	Using trigonometry to find the perpendicular height of a triangle
		Friday		Using trigonometry to find the perpendicular height of a triangle	Solve basic trigonometry equations
5/2/2024	B	Monday		Solve basic trigonometry equations	Using inverse functions to find an angle
		Tuesday		Using inverse functions to find an angle	Solve problems mixing angles and sides
		Wednesday		Solve problems mixing angles and sides	Know the trigonometry ratios
		Thursday		Know the trigonometry ratios	Substitute exact values to find a missing length
		Friday		Substitute exact values to find a missing length	Use trigonometry to find bearing problems
19/2/2024	A	Monday			
		Tuesday		Use trigonometry to find bearing problems	Know when to use trigonometry or Pythagoras to solve problems
		Wednesday	Probability	Representing probability	Complementary events
		Thursday		Complementary events	Calculating probabilities
		Friday		Calculating probabilities	Theoretical probability and relative frequency
26/2/2024	B	Monday		Theoretical probability and relative frequency	Theoretical probability and relative frequency part 2
		Tuesday		Theoretical probability and relative frequency part 2	Comparing probabilities
		Wednesday		Comparing probabilities	Combined events and sample spaces
		Thursday		Combined events and sample spaces	Combined events and sample spaces part 2
		Friday		Combined events and sample spaces part 2	Frequency trees
4/3/2024	A	Monday		Frequency trees	Calculating the probabilities of combined events
		Tuesday		Calculating the probabilities of combined events	Combined events and tree diagrams
		Wednesday		Combined events and tree diagrams part 2	Listing outcomes in a sample space diagram, two way table
		Thursday		Listing outcomes in a sample space diagram, two way table	Calculating experimental probabilities
		Friday		Calculating experimental probabilities	Finding probabilities from Venn diagrams
11/3/2024	B	Monday		Finding probabilities from Venn diagrams	Finding probabilities from frequency trees
		Tuesday	Plans and Elevations	Faces, edges and vertices	Drawing plan views and elevations
		Wednesday		Drawing plan views and elevations	Sketch 3D shapes when given plan and elevations
		Thursday		Sketch 3D shapes when given plan and elevations	Using map scales to work out a length
		Friday		Use and apply the speed formula	Use and apply the density formula
18/3/2024	A	Monday	Multiplicative Reasoning	Use and apply the density formula	Use and apply the pressure formula
		Tuesday		Use and apply the pressure formula	Ratio and fractions
		Wednesday		Ratio and fractions	Compare the cost of two items using the unitary method
		Thursday		Compare the cost of two items using the unitary method	Increase, decrease an amount by a percentage
		Friday		Increase, decrease an amount by a percentage	Calculate percentage change
25/3/2024	B	Monday		Calculate percentage change	Reverse percentages
		Tuesday		Reverse percentages	Simple interest

		Wednesday		Simple interest	Repeated percentage increase
		Thursday		Repeated percentage increase	Repeated percentage decrease
		Friday			