

Instructions

To continue your maths learning, whilst you are isolating, we have put together a set of lesson which cover all the work being done in class in November and December. The lessons are all from the Oak National Academy's website and include: an introductory quiz; a video to watch explaining the topic; a practice task or tasks; and a quiz at the end to check your understanding. Just find the lesson you are scheduled to do and click the link to be taken directly to it.

Area	Topic	Content	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5
ALGEBRA	Sequences	Linear sequences - find and use the nth term	Write nth term	Finding terms	Triangular and Fibonacci sequences	Simple quadratic and cubic sequences	
	Line segments	Find the mid point of a line segment	Finding mid points	Forming shapes from mid-points			
	Graphs	Draw straight line graphs from a table of values	Horizontal and vertical lines	Naming straight line graphs	Gradient 1	Gradient 2	
	Equations	Solving linear equations / extend to forming	Expressions and variables	Equations and identities	Forming and solving 2	Forming and solving 2	Equating Linear Expressions
NUMBER	FRACTIONS	Writing and simplifying fractions, including mixed numbers to improper fractions	The probability scale	Equally likely events	Probability of not happening		
	FDP EQUIVALENCE	Equivalence & ordering numbers	Listing outcomes	Using Venn diagrams			
SHAPE	Parts of a Circle	Identify tangent, arc, sector, segment, chord, radius, diameter, circumference	Parts of a circle				
	Circle calculations	Circumference and area of a circle	Circumference	Area of a circle			
NUMBER	Ratio & Proportion	Writing and simplifying ratios; change a ratio to a fraction	Simplifying ratios	Divide by a given ratio	Find a part given a part	Find a total or difference	Ratios and fractions
	Ratio & Proportion	Ratio (sharing amounts, find 2nd given first, difference)					
	Ratio & Proportion	Solving problems using direct (most) and indirect (some) proportion	Proportional relationships 1	Proportional relationships 2	Direct proportion 1	Direct proportion 2	Graphs of proportional relationships