CATCH UP ⬆

Check what you have missed
Ask your teacher or buddy for help
Take work home to catch up
Copy up missed work
Hand work in to show your teacher

YEAR 8 MATHS CORE
How do I catch up missed work?

If you miss any lessons in Maths you need to catch up on the topics, you have missed. You can find work on the topics at www.corbettmaths.com. You can also access resources using this link to find videos and textbook questions using the specific video number.

Chapter 1 - Expressions	Video
Simplify expressions by collecting like terms.	9
Multiply expressions using index notation and the laws of indices.	17, 18
Simplify algebraic fractions and divide terms.	11, 24
Simplify expressions using all four operations.	
Use all four operations with variables and the order of operations to write expressions with and without context.	
Multiply a term over a bracket.	13
Factorise an expression into a single bracket.	117
Multiply out brackets and simplify. (E)	14
Write expressions for area. (E)	
Multiply two or three brackets together. (E)	14, 15
Chapter 2 - Angles	**Video**
Describe angles using three letter codes.	
Recognise types of angles and the notation for equal angles.	38
Calculate angles on straight lines and adjacent angles around a full turn.	30, 35
Identify corresponding, alternate and co-interior angles.	25
Find missing angles around parallel lines.	
Recognise types of triangles and calculate the missing angles in triangles	37
Calculate missing angles in quadrilaterals.	33
Reason geometrically to solve multi-step problems.	
Chapter 3 - Formulae	**Video**
Write a formula to describe a relationship between variables.	
Substitute positive and negative numbers into formulae.	20
Change the subject of a formula requiring one operation.	7
Work with formulae where the subject is squared or rooted. (E)	8
Change the subject of a formula requiring two operations.	7

Chapter 4 - Area & Volume	Video no.
Review how to calculate the area of triangles, parallelograms and trapezia.	44, 48, 49
Write algebraic expressions for the area of shapes.	
Calculate the area of circles, semi-circles and quarter circles.	40, 47, 47a
Find the area of shaded regions and compound shapes.	41
Write expressions for the area of compound shapes.	
Recognise faces, vertices & edges.	5
Name 3D shapes and know the difference between a pyramid and prism.	3
Recognise and draw the nets of 3D shapes.	4
Calculate the surface area of cuboids.	310
Recognise units for volume and capacity.	349c
Calculate the volume of cuboids.	355
Calculate the volume of prisms and cylinders.	356, 357
Chapter 5 - Equations	**Video no.**
Review how to solve equations involving one operation.	110
Solve equations involving roots and indices.	
Solve equations involving two steps.	110
Set up and solve two step equations in the context of solving angles problems.	115
Solve equations involving multiple steps, division, roots, brackets and collecting like terms.	110
Set up and solve equations involving these operations in the context of area, perimeter, angles and number problems.	114
Solve equations where the variable appears on both sides of the equals sign.	113
Set up and solve double sided equations.	
Chapter 6 – Number theory and sequences	**Video no.**
Recognise factors of a number.	216
Identify whether numbers are prime or composite.	225
Write a number as a product of its prime factors.	223
Find the highest common factor of a pair of numbers.	224
Recognise multiples, factors, squares, cubes and primes.	212, 220, 226
Find the lowest common multiple of a pair of numbers.	218

Chapter 6 -continued	Video no.
Use divisibility tests to identify whether a number is a multiple for 2,3,4,5,6,8 or 9. Identify sets of real and imaginary numbers. (E)	
Recognise expressions that result in odd numbers, even number or multiples of a number.	286
Identify and use the term to term rules for arithmetic, geometric and fibonacci style sequences.	287a
Generate sequences from an nth term rule.	288
Find the nth term rule for an arithmetic sequence.	288
Determine whether a particular number will appear in a sequence.	
Chapter - 7 Functions	
Recognise a function written in algebra and work out tables of values.	186
Plot co-ordinates & recognise their x and y values.	84
Solve geometrical problems involving co-ordinates and shape properties.	85
Plot sets of co-ordinates that follow rules, e.g. y = 5 and y = 3x - 1	
Plot and recognise the graphs of quadratic and cubic graphs.	264, 344
Plot graphs of exponential growth.	345
Read values from a graph and use graphs to solve simultaneous equations.	297
Chapter - 8 Statistics	**Video no.**
Recognise how surveys and sampling methods can be biased.	281a
Record raw data into frequency tables, including grouped frequency tables.	
Recognise discrete, continuous, qualitative and quantitative data types.	342, 343
Draw and interpret pictograms, bar charts, pie charts and scatter graphs.	147, 148, 161, 162, 163, 164, 165
Recognise how graphs can be misleading	160a
Calculate the mean, median, mode and range of a set of listed data.	50, 53, 56, 57
Work backwards from knowing an average to working out missing data items.	