



Lanark Grammar School Mathematics Department

S2 Level 2-3 Course Outline

Unit 1		
Skills and Understanding	Video	
Whole Numbers, Decimals and Order of Operations		
Add/Subtract/Multiply/Divide	https://corbettmaths.com/2013/12/19/addition-video-6/ https://corbettmaths.com/2013/03/28/adding-decimals/ https://corbettmaths.com/2013/03/28/subtracting-decimals/ https://corbettmaths.com/2012/08/21/dividing-decimals-by-whole-numbers/ https://corbettmaths.com/2013/12/28/division-video-98/	
Calculator techniques	https://corbettmaths.com/2013/02/15/use-of-a-calculator/	
Mental Calculations	https://www.bbc.co.uk/bitesize/topics/zfr3nrd/articles/zyhdfcw	
Multiply Whole Numbers and Decimals by Multiples of 10/100/1000 etc	https://corbettmaths.com/2013/06/06/multiplication-by-10-100-and-1000-2/	
Divide Whole Numbers and Decimals by Multiples of 10/100/100 etc	https://corbettmaths.com/2013/05/19/division-by-10-100-and-1000/	
Multiplying and Dividing a Decimal by a single digit	https://corbettmaths.com/2012/08/21/dividing-decimals-by-whole-numbers/	
Order of Operations 'BODMAS'	https://corbettmaths.com/2013/06/08/order-of-operations/	
Symmetry		
Line Symmetry - Identifying	https://corbettmaths.com/2013/05/15/line-symmetry/	
Line Symmetry - Completing shapes/patters	https://www.bbc.co.uk/bitesize/clips/ztg7tfr	
Rotational Symmetry		
Time		
12 and 24 hour time	https://www.bbc.co.uk/bitesize/guides/z3rk7ty/revision/2 https://www.youtube.com/watch?v=RXntcynrzQ	
Fractions of an Hour	https://www.bbc.co.uk/bitesize/guides/z3rk7ty/revision/1	

Interpreting Timetables	https://corbettmaths.com/2012/08/10/timetables/	
Time Calculations across hours	https://corbettmaths.com/2013/10/24/calculations-involving-time/	
Statistics		
Mean	https://corbettmaths.com/2012/08/02/the-mean/	
Median	https://corbettmaths.com/2012/08/02/the-median/	
Mode	https://corbettmaths.com/2013/12/21/the-mode-video56/	
Range	https://corbettmaths.com/2012/08/02/the-range-video/	
Tables - Organising Data and Frequency Tables	https://corbettmaths.com/2013/05/07/tally-charts-corbettmaths/	
Bar Graphs, Line Graphs, Pie Charts	https://corbettmaths.com/2013/04/15/drawing-bar-charts/ https://www.bbc.co.uk/bitesize/guides/z7xcwmn/revision/1 https://corbettmaths.com/2013/05/25/interpreting-pie-charts/	
Decimals		
Rounding Revision	https://corbettmaths.com/2013/10/24/rounding-to-the-nearest-whole-number/ https://corbettmaths.com/2013/08/17/rounding-to-the-nearest-10/ https://corbettmaths.com/2013/08/17/rounding-to-the-nearest-100/	
Rounding to Decimal Places	https://corbettmaths.com/2013/09/07/rounding-to-1-or-2-decimal-places/	
Add/Subtract/Multiply/Divide with Decimals	https://corbettmaths.com/2013/03/28/adding-decimals/ https://corbettmaths.com/2013/03/28/subtracting-decimals/ https://corbettmaths.com/2013/12/28/division-video-98/	
Multiply Decimals by Multiples of 10/100/1000 etc	https://corbettmaths.com/2013/06/06/multiplication-by-10-100-and-1000-2/	

Divide Decimals by Multiples of 10/100/100 etc	https://corbettmaths.com/2013/05/19/division-by-10-100-and-1000/	
Multiplying and Dividing a Decimal by a single digit	https://corbettmaths.com/2012/08/21/dividing-decimals-by-whole-numbers/	
Christmas Break		
Angles		
Types of Angle - Acute, Obtuse, Straight and Reflex	https://corbettmaths.com/2012/08/10/types-of-angle/	
Naming Angles using 3 letters	https://www.youtube.com/watch?v=AuizRpeJMhw	
Measuring & Drawing Angles	https://corbettmaths.com/2013/03/05/measuring-angles/ https://corbettmaths.com/2013/03/04/drawing-angles/	
Complementary Angles	https://corbettmaths.com/2013/12/19/angles-right-angle-video-34/	
Supplementary Angles	https://corbettmaths.com/2013/12/19/angles-straight-line-video-35/	
Vertically Opposite Angles	https://corbettmaths.com/2013/03/16/vertically-opposite-angles/	
Angles Around a point	https://corbettmaths.com/2012/08/10/angles-in-a-full-circle/	
Angles in a Triangle	https://corbettmaths.com/2012/08/10/angles-in-a-triangle/	
Angles in an Isosceles Triangle	https://corbettmaths.com/2012/08/10/angles-in-a-triangle/	
Flexible Time for Collaborative Lessons/Revision		
Assessment 1		
Unit 2		
Algebra		
Number Machines/Functions	https://corbettmaths.com/2017/09/25/function-machines/	
Evaluating Simple Expressions	https://corbettmaths.com/2013/03/12/forming-algebraic-notation/	

Simple Equations	https://corbettmaths.com/2013/03/13/algebraic-notation/ https://www.bbc.co.uk/bitesize/clips/zx8hyrd	
February Break		
Fractions and Percentages *CORE*		
Simplifying Fractions	https://corbettmaths.com/2013/03/03/simplifying-fractions-2/	
Fractions and Percentages - Equivalence	https://corbettmaths.com/2013/04/24/key-fractions-decimals-and-percentages/	
Simple Fractions of a Quantity	https://corbettmaths.com/2012/08/20/fractions-of-amounts/	
Simple Percentages of a Quantity - Non Calculator	https://corbettmaths.com/2012/08/20/percentages-of-amounts-non-calculator/	
Percentages *EXTENSION ONLY*		
Revision - Percentage of an amount	https://corbettmaths.com/2012/08/20/percentages-of-amounts-non-calculator/	
Percentage Increase	https://corbettmaths.com/2012/08/21/increasing-or-decreasing-by-a-percentage/	
Percentage Decrease	https://corbettmaths.com/2012/08/21/increasing-or-decreasing-by-a-percentage/	
Percentages using a calculator	https://corbettmaths.com/2013/02/15/percentages-of-an-amount-calculator/	
Money *CORE*		
Problems involving money - Purchases		
Best Value	https://corbettmaths.com/2013/03/26/best-buys/	
Foreign Currency	https://corbettmaths.com/2016/01/03/exchange-rates/	
Money *EXTENSION ONLY*		
Wages and Salaries	https://www.bbc.co.uk/bitesize/guides/zdq39j6/revision/1	
Bonuses and Wage Rises	https://www.bbc.co.uk/bitesize/guides/zdq39j6/revision/2	
Commission	https://www.bbc.co.uk/bitesize/guides/zdq39j6/revision/3	

Overtime Pay	https://www.bbc.co.uk/bitesize/guides/zdq39j6/revision/4	
Gross pay, Net pay and Deductions	https://www.bbc.co.uk/bitesize/guides/zdq39j6/revision/1	
Length and Area		
Units of Length	https://corbettmaths.com/2014/01/16/metric-units-for-length/	
Perimeter	https://corbettmaths.com/2012/08/02/perimeter/	
Area of Squares and Rectangles	https://corbettmaths.com/2013/12/20/area-of-a-rectangle-video-45/	
Area of a Right Angled Triangle - Using formula	https://www.bbc.co.uk/bitesize/topics/zrwkgwx/articles/zsqxfcw https://www.bbc.co.uk/bitesize/clips/zvhcd2p	
Area of Composite Shapes	https://www.bbc.co.uk/bitesize/guides/z2mtyrd/revision/4 https://corbettmaths.com/2012/08/02/area-of-compound-shapes/	
Volume		
Volume of Cube/Cuboid	https://corbettmaths.com/2012/08/09/volume-of-cuboids-and-cubes/	
Liquid Volumes and Capacity	https://corbettmaths.com/2014/01/16/metric-units-for-capacity/	
Spring Break		
Flexible Time for Collaborative Lessons/Revision		
Assessment 2		
Patterns		
Extending a basic sequence	https://corbettmaths.com/2013/11/13/missingterms/	
Square Numbers	https://corbettmaths.com/2012/08/11/1336/	
Triangular Numbers	https://corbettmaths.com/2013/03/31/triangular-numbers/	
Fibonacci Sequence	https://corbettmaths.com/2019/03/27/fibonacci-sequences/	
Basic Linear Patters from Diagrams	https://corbettmaths.com/2013/11/13/patterns-and-sequences/	

Extending a Table - Basic Linear Patterns	https://corbettmaths.com/2013/11/13/patterns-and-sequences/	
Ratio		
Simplifying Ratio	https://corbettmaths.com/2013/03/03/simplifying-ratio/	
Ratio Calculations	https://corbettmaths.com/2013/05/16/ratio-given-one-quantity/	
Sharing in a given Ratio	https://corbettmaths.com/2013/03/03/ratio-sharing-the-total/	
Summer Break		