

## N4 Maths Lesson by Lesson 2020/21

**This is a rough outline of the lessons pupils will be taught throughout the year.**

**This may change slightly over the year depending on the teacher and the class.**

**We will email you to inform you of the exact date of upcoming assessments.**

Date	Period 1	Period 2	Period 3	Period 4	Assessments
11-May-20	Interpreting graphs (bar, line, pie)	Interpreting graphs (bar, line, pie)	Interpreting graphs (bar, line, pie)	Interpreting graphs (bar, line, pie)	
18-May-20	Non-calc skills (word problems, fractions, decimals, percentages)	Non-calc skills (word problems, fractions, decimals, percentages)	Non-calc skills (word problems, fractions, decimals, percentages)	Non-calc skills (word problems, fractions, decimals, percentages)	
25-May-20	Fractions of a quantity	Fractions of a quantity	Fractions of a quantity	Fractions of a quantity	
01-Jun-20	Integers +, -, x, ÷	Integers +, -, x, ÷	Integers +, -, x, ÷	Integers +, -, x, ÷	
08-Jun-20	Collecting like terms	Collecting like terms	Collecting like terms	Collecting like terms	
15-Jun-20	Distributive law	Distributive law	Distributive law	Distributive law	
22-Jun-20	Problem solving	Problem solving	Problem solving	Problem solving	

	Holiday	Holiday	Holiday	Holiday	
10-Aug-20	Inservice	Distributive law	Factorising	Factorising	Sit AVU Non-Calc Assessment and Numeracy Part 1
17-Aug-20	Factorising	Patterns	Creating formula from table/patterns	Creating formula from table/patterns	
24-Aug-20	Scale Factor - drawing	Revision of area - rectangles, squares, triangles and composite	Circles - circumference	Circles - circumference (incl perimeter semi and quarter)	
31-Aug-20	Circles - area (including part areas)	Gradient	Gradient/revision for assessment	Composite shapes (including trapezium, kite, rectangles and part circles etc)	
07-Sep-20	Composite shapes (including trapezium, kite, rectangles and part circles etc)	Perimeter (including composite shapes)	Investigate surface area of prisms project	Investigate surface area of prisms project	Sit Exp and Form Test Part 1
14-Sep-20	Sit Exp and Form Test Part 1	Revision of Non Calc AVU/Num	Revision of Non Calc AVU/Num	Revision of Non Calc AVU/Num	
21-Sep-20	Holiday	Sit AVU Non-Calc Assessment and Numeracy Part 1	Revise volume of cubes and cuboids then Volume of prisms ( $V=Ah$ )	Volume of triangular prisms	
28-Sep-20	Volume of cylinders	Volume - working backwards (extension)	Collecting numerical data (project on survey monkey on iPads?)	Grouped frequency tables	
05-Oct-20	Statistics - mean, median, mode, range (playing cards)	Statistics - mean, median, mode, range - comments (reasoning) - survey data	Interpreting tables (at least four categories of info) - real life sources (iPads?) (incl N5	Stem-and-leaf diagrams - interpreting and reasoning (bring in MMR)	
12-Oct-20	Drawing stem-and-leaf diagrams	Stem-and-leaf back to back diagrams (incl N5 extension)	Drawing pie charts	Drawing pie charts	

19-Oct-20	Holiday	Holiday	Holiday	Holiday	
26-Oct-20	Inservice	Probability (as fractions and decimals)	Time intervals (incl N5 extension - time difference abroad)	Currency exchange (x)	
02-Nov-20	Currency exchange ( $\div$ ) and word problem mixture (incl N5 extension)	Currency exchange ( $\div$ ) and word problem mixture (incl N5 extension)	Speed, Distance, Time	Speed, Distance, Time	
09-Nov-20	Ratio	Ratio (incl N5 extension)	Straight Line	Straight Line	Sit Exp and Form Test Part 2 and Numeracy Parts 2&3
16-Nov-20	Straight Line	Equations - simple (using balancing method)	Equations - eg $5x - 7 = 33$ (balance)	Equations - tricker (variables on both sides)	
23-Nov-20	Equations mixture	Straight Line	Straight Line	Change the subject	
30-Nov-20	Change the subject	Pythagoras Theorem	Pythagoras Theorem	Pythagoras Theorem	
07-Dec-20	Angles	Angles	Revision for Rel Test Part 1	Sit Rel Test Part 1	Sit Rel Test Part 1
14-Dec-20	Scatter graphs	Line of best fit	Line of best fit	Spare	
21-Dec-20	Spare/Resits	Holiday	Holiday	Holiday	
04-Jan-21	Holiday	Inservice	Spare	Spare	

11-Jan-21	SOH CAH TOA	SOH CAH TOA	SOH CAH TOA	SOH CAH TOA	
18-Jan-21	Revision Rel Test Part 2	Revision Rel Test Part 2	<b>Sit Rel Test Part 2</b>	AVU Calc Revision	<b>Sit Rel Test Part 2</b>
25-Jan-21	AVU Calc Revision	<b>Sit AVU Calculator Test</b>	Spare/Resits	Spare/Resits	<b>Sit AVU Calculator Test</b>
01-Feb-21	Spare/Resits	Spare/Resits	Spare/Resits	Spare/Resits	
08-Feb-21	<b>Holiday</b>	<b>Holiday</b>	<b>Holiday</b>	<b>Holiday</b>	
15-Feb-21	Spare/Resits	Spare/Resits	Spare/Resits	N5 Numeracy (word problems and time difference)	
22-Feb-21	N5 Numeracy (stem-and-leaf back to back)	N5 Numeracy (currency)	Nat 5 Num - sig figs	Nat 5 Num - percentages	
01-Mar-21	Nat 5 Num - percentages	Nat 5 Num - word problems/currency	Nat 5 Num - time and tables	Nat 5 Num - scales/fractions	
08-Mar-21	Practice for N5 Num P1	Practice for N5 Num P1	Practice for N5 Num P1	<b>Sit N5 Num P1</b>	<b>Sit N5 Num P1</b>
15-Mar-21	Nat 5 Num - ratio/probability	Graphs (stem-and-leaf, comparative, pie charts)	Practice for N5 Num P2	Practice for N5 Num P2	
22-Mar-21	Practice for N5 Num P2	Practice for N5 Num P2	Practice for N5 Num P2	<b>Sit N5 Num P2</b>	<b>Sit N5 Num P2</b>

29-Mar-21	Spare/N5 Skills	Spare/N5 Skills	Spare/N5 Skills	Spare/N5 Skills	
05-Apr-21	Spare/N5 Skills	Spare/N5 Skills	Spare/N5 Skills	Spare/N5 Skills	
12-Apr-21	<b>Holiday</b>	<b>Holiday</b>	<b>Holiday</b>	<b>Holiday</b>	
19-Apr-21	<b>Holiday</b>				
26-Apr-21					
03-May-21	<b>Holiday</b>	<b>Inservice</b>			
10-May-21					
17-May-21					
24-May-21	<b>Holiday</b>				
31-May-21					
07-Jun-21	New Timetable!	New Timetable!	New Timetable!		

















**Geometric skills** — using  
Pythagoras' theorem; using a  
fractional scale factor to

**Trigonometric skills** —  
calculating a side in a right-  
angled triangle: calculating an