Student Cycle Overview

Excellence. No Excuses.

The subject content for this achievement cycle is shown below.

At the end of the achievement cycle there will be an **assessment** of this material.

You should keep an organised file of notes to help you revise and prepare.

Achievement Cycle 1	Maths	Year 9	Tiers 1/2/3

Code	Description	Revised?
M9.1.1	Order numbers (integers, negatives, decimals)	
M9.1.2	Order fractions and mixed numbers	
M9.1.3	Inequality notation	
M9.1.4	Add, subtract, multiply and divide with integers and decimals	
M9.1.5	Add, subtract, multiply and divide with fractions	
M9.1.6	Add, subtract, multiply and divide with mixed numbers	
M9.1.7	Calculate with negatives (including directed number and multiply and divide with negative numbers)	
M9.1.8	Rounding - numbers to powers of 10 and decimals places	
M9.1.9	Rounding - significant figures	
M9.1.10	Order of operations (BIDMAS)	
M9.1.11	Reciprocal of an integer, fraction and simple decimals	
M9.1.12	Estimation including real life situations	
M9.1.13	Expressions (including real life)	
M9.1.14	Index laws for multiplication (integer powers) and division	
M9.1.15	Collecting like terms	
M9.1.16	Expanding - single bracket	
M9.1.17	Factorise - single bracket	

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Achievement Cycle 1	Maths	Year 9	Tiers 1/2/3

Code	Description	Revised?
M9.1.18	Expand – double brackets	
M9.1.19	Substitution into expressions and formulae	
M9.1.20	Expressions, equations and formulae (recognise them and know what each term means)	
M9.1.21	Function machines (including algebra)	
M9.1.22	Bar charts, vertical line graph, pictograms, frequency tables and two way tables	
M9.1.23	Pie charts	
M9.1.24	Scatter graphs	
M9.1.25	Data types – identification and use	
M9.1.26	Averages and the range	
M9.1.27	Comparing data (including the use of averages)	
M9.1.28	Averages from tables	
M9.1.29	Line symmetry	
M9.1.30	Rotational symmetry in 2D	
M9.1.31	3D Shapes	
M9.1.32	Measure an angle and a line	
M9.1.33	Scales – read and interpret (know what the gap is)	
M9.1.34	Scale drawings - Including estimation Plans and elevations Isometric paper	
M9.1.35	Read and use maps	

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Achievement Cycle 1	Maths	Year 9	Tiers 4/5

Code	Description	Revised?
M9.1.1	Order numbers (integers, negatives, decimals)	
M9.1.2	Order fractions and mixed numbers	
M9.1.3	Inequality notation	
M9.1.4	Add, subtract, multiply and divide with integers and decimals	
M9.1.5	Add, subtract, multiply and divide with fractions	
M9.1.6	Add, subtract, multiply and divide with mixed numbers	
M9.1.7	Calculate with negatives (including directed number and multiply and divide with negative numbers)	
M9.1.8	Rounding - numbers to powers of 10 and decimals places	
M9.1.9	Rounding - significant figures	
M9.1.10	Order of operations (BIDMAS)	
M9.1.11	Reciprocal of an integer, fraction and simple decimals	
M9.1.12	Estimation	
M9.1.13	Expressions (including real life)	
M9.1.14	Index laws for multiplication (integer powers) and division	
M9.1.15	Collecting like terms	
M9.1.16	Expanding - single bracket	
M9.1.17	Factorise - single bracket	

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Achievement Cycle 1	Maths	Year 9	Tiers 4/5

Code	Description	Revised?
M9.1.18	Expand – double brackets	
M9.1.19	Substitution into expressions and formulae	
M9.1.20	Expressions, equations and formulae (recognise them and know what each term means)	
M9.1.21	Function machines	
M9.1.22	Bar charts, vertical line graph, pictograms, frequency tables and two way tables	
M9.1.23	Pie charts	
M9.1.24	Scatter graphs	
M9.1.25	Data types – identification and use	
M9.1.26	Averages and the range	
M9.1.27	Comparing data (including the use of averages)	
M9.1.29	Line symmetry	
M9.1.30	Rotational symmetry in 2D	
M9.1.31	3D Shapes	
M9.1.32	Measure an angle and a line	
M9.1.33	Scales – read and interpret (know what the gap is)	
M9.1.34	Scale drawings - Including estimation Plans and elevations Isometric paper	
M9.1.35	Read and use maps	