

Summary Curriculum Map and Expectations

Subject: Mathematics

Subject leader / Head of Faculty: Mrs S Ahmed

Year 7	Autumn term	Spring term	Summer term
Key content; Main learning objectives, Knowledge, Skills, Understanding,	Unit 1 Analysing and displaying data Unit 2 Number skills Unit 3 Expressions, functions and formulae Unit 4 Decimals and measures <u>Investigation:</u> Number Walls	Unit 5 Fractions Unit 6 Probability Unit 7 Ratio and proportion <u>Investigation:</u> Crossed Lines.	Unit 8 Lines and angles Unit 9 Sequences and graphs Unit 10 Transformations <u>Investigation:</u> Rectangle Mania.
Formal Assessments	Termly Assessments. Investigation Assessment.	Termly Assessments. Investigation Assessment.	Termly Assessments. Investigation Assessment.
Homework expectations (frequency, time commitment)	Homeworks based around topics taught. Investigation extension homeworks. MathsWatch online homework.	Homeworks based around topics taught. Investigation extension homeworks. MathsWatch online homework.	Homeworks based around topics taught Investigation extension homeworks. MathsWatch online homework.

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Subject: Mathematics

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Year 8	Autumn term	Spring term	Summer term
Key content; Main learning objectives, Knowledge, Skills, Understanding,	Unit 1 Number Unit 2 Area and volume Unit 3 Expressions, functions and formulae Unit 4 Expressions and equations <u>Investigation:</u> Hectic hockey	Unit 5 Real-life graphs Unit 6 Decimals and ratio Unit 7 Lines and angles Unit 8 Calculating with fractions <u>Investigation:</u> Around the Garden.	Unit 9 Straight-line graphs Unit 10 Percentages, decimals and fractions Unit 11 Statistics, graphs and charts. <u>Investigation:</u> The Probe on Mars
Formal Assessments	Termly Assessments. Investigation Assessment.	Termly Assessments. Investigation Assessment.	Termly Assessments. Investigation Assessment.
Homework expectations (frequency, time commitment)	Homeworks based around topics taught. Investigation extension homeworks. MathsWatch online homework.	Homeworks based around topics taught. Investigation extension homeworks. MathsWatch online homework.	Homeworks based around topics taught. Investigation extension homeworks. MathsWatch online homework.

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Year 9	Autumn term	Spring term	Summer term
Key content; Main learning objectives, Knowledge, Skills, Understanding,	<u>GCSE Foundation Course</u>	<u>GCSE Foundation Course</u>	<u>GCSE Foundation Course</u>
	Unit 1 Number Unit 2 Algebra Unit 3 Graphs, tables and charts	Unit 4 Fractions and percentages Unit 5 Equations, inequalities and sequences Unit 6 Angles	Unit 7 Averages and range Unit 8 Perimeter, area and volume 1
	<u>GCSE Higher Course</u>	<u>GCSE Higher Course</u>	<u>GCSE Higher Course</u>
	Unit 1 Number Unit 2 Algebra Unit 3 Interpreting and representing data	Unit 4 Fractions, ratio and proportion Unit 5 Angles and trigonometry Unit 6 Graphs	Unit 7 Area and volume Unit 8 Transformation and constructions
Formal Assessments	Termly assessments. GCSE papers.	Termly assessments. GCSE papers.	Termly assessments. GCSE papers.
Homework expectations (frequency, time commitment)	Homeworks based around topics taught. Revision homework. MathsWatch online homework.	Homeworks based around topics taught. Revision homework. MathsWatch online homework.	Homeworks based around topics taught Revision homework. MathsWatch online homework.

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Year 10	Autumn term	Spring term	Summer term
Key content; Main learning objectives, Knowledge, Skills, Understanding,	<u>GCSE Foundation Course</u> Unit 9 Graphs Unit 10 Transformations Unit 11 Ratio and proportion <u>GCSE Higher Course</u> Unit 9 Equations and inequalities Unit 10 Probability Unit 11 Multiplicative reasoning	<u>GCSE Foundation Course</u> Unit 12 Right-angled triangles Unit 13 Probability Unit 14 Multiplicative reasoning <u>GCSE Higher Course</u> Unit 12 Similarly and congruence Unit 13 More trigonometry Unit 14 Further statistics	<u>GCSE Foundation Course</u> Unit 15 Constructions, loci and bearings Unit 16 Quadratic equations and graphs Unit 17 Perimeter, area and volume 2 <u>GCSE Higher Course</u> Unit 15 Equations and graphs Unit 16 Circle theorems Unit 17 More algebra
	Formal Assessments	Termly assessments. GCSE papers.	Termly assessments. GCSE papers.
Homework expectations (frequency, time commitment)	Homeworks based around topics taught. Revision homework. MathsWatch online homework.	Homeworks based around topics taught. Revision homework. MathsWatch online homework.	Homeworks based around topics taught. Revision homework. MathsWatch online homework.

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Year 11	Autumn term	Spring term	Summer term
Key content; Main learning objectives, Knowledge, Skills, Understanding,	<p style="text-align: center;"><u>GCSE Foundation Course</u></p> <p>Unit 18 Fractions, indices and standard form</p> <p>Unit 19 Congruence, similarity and vectors</p> <p style="text-align: center;"><u>GCSE Higher Course</u></p> <p>Unit 18 Vectors and geometric proof</p> <p>Unit 19 Proportion and graphs</p>	<p style="text-align: center;"><u>GCSE Foundation Course</u></p> <p>Unit 20 More algebra</p> <p style="text-align: center;"><u>GCSE Higher Course</u></p>	
Formal Assessments	Termly assessments. GCSE papers.	Termly assessments. GCSE papers.	Termly assessments. GCSE papers.
Homework expectations (frequency, time commitment)	Homeworks based around topics taught. Revision homework. MathsWatch online homework.	Homeworks based around topics taught. Revision homework. MathsWatch online homework.	Homeworks based around topics taught Revision homework. MathsWatch online homework.