KS4 Maths Curriculum Mapping

Year 10 Higher (Edexcel GCSE 1MA1H)						
Term	Autumn (1)	Autumn (2)	Spring (1)	Spring (2)	Summer (1)	Summer (2)
Topic(s)/ Subjects(s)	Chapter 7c: Accuracy Chapter 9: Quadratics, simultaneous equations and Inequalities	Chapter 8: Chapter 8: Transformations and Constructions Chapter 10: Probability	Chapter 11: Multiplicative reasoning	Chapter 12: Similarity and Congruence Chapter 14:Collecting data and Cumulative Frequency	Chapter 13: Further trigonometry	Utilize Question Level Analysis results from full GCSE paper to inform planning
Knowledge and skills (Content)	Introduction to bounds Error intervals Upper and lower bounds calculations Solving quadratics by factorising, the formula and completing the square Solving linear and quadratic simultaneous equations Displaying linear inequalities on a number line Solving linear inequalities Reflections, Rotations, Translations and Enlargements (including negative SF) Plans and elevations Constructions and loci Bearings	Reflections, Rotations, Translations and Enlargements (including negative SF) Plans and elevations Constructions and loci Bearings Frequency trees Mutually exclusive events Relative frequency Sample spaces Venn diagrams Tree diagrams (including algebraic probabilities) Probability using Venn diagrams AND and OR probability questions	Speed, distance, time Mass, density, volume Pressure, force, area Metric conversions – units of area and volume Simple and compound interest	Sampling populations Capture recapture Stratified sampling Cumulative frequency Box plots Histograms Congruent triangles Similar triangles Similarity area and volume	Trigonometric graphs Sine rule Cosine rule Area using 1/2absinC Pythagoras and trigonometry in 3D	
Assessment	Autumn Progress Check assessment	Chapter Assessment 4 (8 & 9)	January Exams. Modified past GCSE Foundation Paper 2 (to only assess content covered)	Chapter Assessment 5 (10 & 11)	SAS Exams. Modified past GCSE Foundation Paper 1 and Paper 3 (to only assess content covered) Chapter Assessment 6 (12 & 13)	End June: Full Past GCSE Higher Exam Paper 2 – Calculator (with structured revision task)
Cross Curricular Links	GCSE FM – Y10 Summer 1 Algebra L3 Chapter 6	GCSE Statistics Chapter 6 **Geography** – Bearings and compass points **Product Design** – understanding 3D drawings	**Science** – speed calculations, density calculations, pressure calculations, converting units Algebra Level 3 Chapter 11	GCSE Statistics Chapters 1 and 2 **Geography** – Y10 field work **Science** – representing data	GCSE FM – Y10 Summer 2 **DT** – Pythagoras and trigonometry when "making"	
SMSC, British Values, Cultural Capital	Mathematician of the Month and Diversion and Inclusion posters. Social developing problem-solving skills, resilience and mathematical reasoning are included in most lessons. Students are encouraged to where applicable, work collaboratively, supporting each other's progress and building confidence. Pearson comprehension tasks	Mathematician of the Month and Diversion and Inclusion posters. Social developing problem-solving skills, resilience and mathematical reasoning are included in most lessons. Students are encouraged to where applicable, work collaboratively, supporting each other's progress and building confidence. Pearson comprehension tasks	NSPCC Numberday Mathematician of the Month and Diversion and Inclusion posters UKMT Intermediate Challenge. Social developing problem-solving skills, resilience and mathematical reasoning are included in most lessons. Students are encouraged to where applicable, work collaboratively, supporting each other's progress and building	Mathematician of the Month and Diversion and Inclusion posters. Social developing problem-solving skills, resilience and mathematical reasoning are included in most lessons. Students are encouraged to where applicable, work collaboratively, supporting each other's progress and building confidence. Pearson comprehension tasks	Mathematician of the Month and Diversion and Inclusion posters. Social developing problem-solving skills, resilience and mathematical reasoning are included in most lessons. Students are encouraged to where applicable, work collaboratively, supporting each other's progress and building confidence.	Mathematician of the Month and Diversion and Inclusion posters. Social developing problem-solving skills, resilience and mathematical reasoning are included in most lessons. Students are encouraged to where applicable, work collaboratively, supporting each other's progress and building confidence.

			confidence. Pearson comprehension tasks			
CEIAG	Set designer Architect	Air traffic controller Architect Statistician Actuarial Scientist	Accountant Bank teller Actuarial Scientist	Data detective – Activity try being a data detective	Air traffic controller Architect	
Learning outside the classroom	**Homework** – Differentiated 10 skills (half term 1 HA or HB), plus two problem solving questions recapping chapters 1 and 7 content. **Computer room lesson** – Fortnightly session using Mathswatch **At home support** – access to MyMaths, MathsWatch and Mathsgenie to support learning at home.	**Homework** – Differentiated 10 skills (half term 2 HA or HB), plus two problem solving questions recapping chapters 2 and 8 content. **Computer room lesson** – Fortnightly session using Mathswatch **At home support** – access to MyMaths, MathsWatch and Mathsgenie to support learning at home.	**Homework** – Differentiated 10 skills (half term 3 HA or HB), plus two problem solving questions recapping chapters 3 and 9 content. **Computer room lesson** – Fortnightly session using Mathswatch **At home support** – access to MyMaths, MathsWatch and Mathsgenie to support learning at home.	**Homework** – Differentiated 10 skills (half term 4 HA or HB), plus two problem solving questions recapping chapters 4 and 10 content. **Computer room lesson** – Fortnightly session using Mathswatch **At home support** – access to MyMaths, MathsWatch and Mathsgenie to support learning at home.	**Homework** – Differentiated 10 skills (half term 5 HA or HB), plus two problem solving questions recapping chapters 5 and 11 content. **Computer room lesson** – Fortnightly session using Mathswatch **At home support** – access to MyMaths, MathsWatch and Mathsgenie to support learning at home.	**Homework** – Differentiated 10 skills (half term 6 HA or HB), plus two problem solving questions recapping chapters 6 and 12 content. **Computer room lesson** – Fortnightly session using Mathswatch **At home support** – access to MyMaths, MathsWatch and Mathsgenie to support learning at home.
Additional Subject Specific Information	**Next steps:** Ch 15 Quadratics Ch 17 Complex algebra Ch 10 Probability (forming and solving quadratics) Algebra Level 3 – role of the discriminant (Ch 5)	In class recall: Focus booklets	**Next steps:** Ch 19b Direct and inverse proportion	In class recall: Focus booklets	In class recall: Focus booklets	In class recall: Focus booklets

Year 10 Foundation (Edexcel Mathematics 1MA1F)

Term	Autumn (1)	Autumn (2)	Spring (1)	Spring (2)	Summer (1)	Summer (2)
Topic(s)/ Subjects(s)	Chapter 8: Perimeter, area and volume Chapter 11: Ratio and proportion	Chapter 9: Real life and Straight line graphs Chapter 10: Transformations	Chapter 13: Probability Chapter 17: Circles	Chapter 12: Right angled triangles Chapter 14: Multiplicative reasoning	Chapter 15: Constructions, loci and bearings	Utilize Question Level Analysis results from full GCSE paper to inform planning
Knowledge and skills (Content)	Reading scales Perimeter Area of rectangles, triangles, parallelograms and trapeziums Properties of 3D shapes Nets Surface area of a prism Volume of prisms Introduction to ratio Sharing using ratio Using map scales Using ratio for recipe questions Value for money Introduction to proportion Exchanging money	Reflections, rotations, translations and enlargements (including with a centre) Problems on coordinate axes Distance time graphs Midpoint on a line on a graph Straight line graphs Gradient of a straight line Finding the equation of a straight line	The probability scale Frequency trees Listing outcomes Calculating probabilities Mutually exclusive events Experimental probabilities Sample Spaces Venn diagrams Tree diagrams Circle definitions Area and circumference of a circle	Metric conversions Distance, speed, time Mass, density, volume Percentage change Reverse percentages Compound Interest and depreciation Pythagoras theorem Trigonometry Exact trigonometrical values	Plans and elevations Drawing triangles using a compass and/or protractor Tessellations and congruent shapes Bearings Constructions and loci	
Assessment	Autumn Progress Check assessment	Chapter Assessment 4 (8 & 9)	January Exams. Modified past GCSE Foundation Paper 2 (to only assess content covered)	Chapter Assessment 5 (10 & 11)	SAS Exams. Modified past GCSE Foundation Paper 1 and Paper 3 (to only assess content covered) Chapter Assessment 6 (12 & 13)	End June: Full Past GCSE Foundation Exam Paper 2 – Calculator (with structured revision task)
Cross Curricular Links	**Science** – measuring amounts of compounds **DT** – measuring ingredients **Geography** - Map scales	**Science** - (Y9 Speeding up) – Speed, distance, time	**ICT/Business** – managing risk	**DT** – Pythagoras and trigonometry when "making" **Science** – speed, density and pressure calculations	**Geography:** Bearings and compass points **DT** – understanding 3D drawings	
SMSC, British Values, Cultural Capital	Mathematician of the Month and Diversion and Inclusion posters. Social developing problem-solving skills, resilience and mathematical reasoning are included in most lessons. Students are encouraged to where applicable, work collaboratively, supporting each other's progress and building confidence. Pearson comprehension tasks	Mathematician of the Month and Diversion and Inclusion posters. Social developing problem-solving skills, resilience and mathematical reasoning are included in most lessons. Students are encouraged to where applicable, work collaboratively, supporting each other's progress and building confidence. Pearson comprehension tasks	NSPCC Numberday Mathematician of the Month and Diversion and Inclusion posters. Social developing problem-solving skills, resilience and mathematical reasoning are included in most lessons. Students are encouraged to where applicable, work collaboratively, supporting each other's progress and building confidence. Pearson comprehension tasks	Mathematician of the Month and Diversion and Inclusion posters. Social developing problem-solving skills, resilience and mathematical reasoning are included in most lessons. Students are encouraged to where applicable, work collaboratively, supporting each other's progress and building confidence. Pearson comprehension tasks	Mathematician of the Month and Diversion and Inclusion posters. Social developing problem-solving skills, resilience and mathematical reasoning are included in most lessons. Students are encouraged to where applicable, work collaboratively, supporting each other's progress and building confidence.	Mathematician of the Month and Diversion and Inclusion posters. Social developing problem-solving skills, resilience and mathematical reasoning are included in most lessons. Students are encouraged to where applicable, work collaboratively, supporting each other's progress and building confidence.

CEIAG	Caterer Ordnance Survey Analyst Travel Agent	Computer software developer Aerospace engineer	Software engineer – Desmos activity (computer room)	Orthotics and prosthetics – Forces activity	Architect Air traffic controller	
Learning outside the classroom	**Homework** – Differentiated 10 skills (half term 1 FA or FB), plus two problem solving questions recapping chapters 1 and 7 content. **Computer room lesson** – Fortnightly session using Mathswatch **At home support** – access to MyMaths, MathsWatch and Mathsgenie to support learning at home.	**Homework** – Differentiated 10 skills (half term 2 FA or FB), plus two problem solving questions recapping chapters 2 and 8 content. **Computer room lesson** – Fortnightly session using Mathswatch **At home support** – access to MyMaths, MathsWatch and Mathsgenie to support learning at home.	**Homework** – Differentiated 10 skills (half term 3 FA or FB), plus two problem solving questions recapping chapters 3 and 9 content. **Computer room lesson** – Fortnightly session using Mathswatch **At home support** – access to MyMaths, MathsWatch and Mathsgenie to support learning at home.	**Homework** – Differentiated 10 skills (half term 4 FA or FB), plus two problem solving questions recapping chapters 4 and 10 content. **Computer room lesson** – Fortnightly session using Mathswatch **At home support** – access to MyMaths, MathsWatch and Mathsgenie to support learning at home.	**Homework** – Differentiated 10 skills (half term 5 FA or FB), plus two problem solving questions recapping chapters 5 and 11 content. **Computer room lesson** – Fortnightly session using Mathswatch **At home support** – access to MyMaths, MathsWatch and Mathsgenie to support learning at home.	**Homework** – Differentiated 10 skills (half term 6 FA or FB), plus two problem solving questions recapping chapters 6 and 12 content. **Computer room lesson** – Fortnightly session using Mathswatch **At home support** – access to MyMaths, MathsWatch and Mathsgenie to support learning at home.
Additional Subject Specific Information	**Next steps:** Ch 14 Multiplicative reasoning to calculate density (volume) Focus 3 booklets	In class recall: Focus 3 booklets, essential skills	In class recall: Focus 3 booklets, essential skills	In class recall: Focus 3 booklets, essential skills	In class recall: Focus 3 booklets, essential skills	In class recall: Focus 3 booklets, essential skills

Year 11 Higher Set 1 (Edexcel GCSE Mathematics 1MA1H)

Term	Autumn (1)	Autumn (2)	Spring (1)	Spring (2)	Summer (1)	Summer (2)
Topic(s)/ Subjects(s)	Chapter 19b: Direct and Inverse Proportion Chapter 15: Quadratics Chapter 16: Circle Theorems	Chapter 17: Complex Algebra Chapter 18: Vectors	Chapter 19a: Graphs	Utilize Question Level Analysis results from full GCSE paper to inform planning		
Knowledge and skills (Content)	Forming and using equations for direct and inverse proportion Proportion graphs Roots and turning points of quadratics Product of three binomials Inequality regions Solving simultaneous equations graphically (linear, quadratic, circles) Solving quadratic inequalities algebraically Circle theorems and their proof Equation of a circle	Surds Algebraic fractions Rearranging difficult formulae Algebraic proof Inverse functions Composite functions Introduction to vectors Vectors	Exponential functions Transformation of functions			
Assessment	End of September: Past GCSE Higher Exam Paper 1 – Non Calculator (with structured revision task)	Early November: Past GCSE Higher Exam Paper 3 – Calculator December Trial Exams: Higher Paper 1, Paper 2 and Paper 3 (all with structured revision tasks)	Monthly past GCSE Paper (with structured revision task) End Jan End Feb End March	Past GCSE Papers	GCSE Examinations	
Cross Curricular Links	FM? Algebra Level 3 Chapters 9, 10 & 12	GCSE FM – Y10 Autumn 2 Algebra Level 3 Chapters 1 & 3	Algebra Level 3 Chapter 13			
SMSC, British Values, Cultural Capital	Mathematician of the Month and Diversion and Inclusion posters. Social developing problem-solving skills, resilience and mathematical reasoning are included in most lessons. Students are encouraged to where applicable, work collaboratively, supporting each other's progress and building confidence.	Mathematician of the Month and Diversion and Inclusion posters. Social developing problem-solving skills, resilience and mathematical reasoning are included in most lessons. Students are encouraged to where applicable, work collaboratively, supporting each other's progress and building confidence.	Mathematician of the Month and Diversion and Inclusion posters. Social developing problem-solving skills, resilience and mathematical reasoning are included in most lessons. Students are encouraged to where applicable, work collaboratively, supporting each other's progress and building confidence.	Mathematician of the Month and Diversion and Inclusion posters. Social developing problem-solving skills, resilience and mathematical reasoning are included in most lessons. Students are encouraged to where applicable, work collaboratively, supporting each other's progress and building confidence.	Mathematician of the Month and Diversion and Inclusion posters. Social developing problem-solving skills, resilience and mathematical reasoning are included in most lessons. Students are encouraged to where applicable, work collaboratively, supporting each other's progress and building confidence.	
CEIAG	Freelance filmmaker – Activity try being a freelance filmmaker					
Learning outside the classroom	**Homework** – Targeted 10 skills (half term 1 HAA), plus two problem solving questions on previous topics **Computer room lesson** –	**Homework** – Targeted 10 skills (half term 2 HAA), plus two problem solving questions on previous topics **Computer room lesson** –	**Homework** – Targeted 10 skills (half term 3 HAA), plus two problem solving questions on previous topics **Computer room lesson** –	**Homework** – Targeted 10 skills (half term 4 HAA), plus two problem solving questions on previous topics **Computer room lesson** –	**Computer room lesson** – Fortnightly session using Mathswatch **At home support** – access to MyMaths, MathsWatch, past	

	Fortnightly session using Mathswatch **At home support** – access to MyMaths, MathsWatch, past papers and Mathsgenie to support learning at home. After school revision sessions	Fortnightly session using Mathswatch **At home support** – access to MyMaths, MathsWatch, past papers and Mathsgenie to support learning at home. After school revision sessions	Fortnightly session using Mathswatch **At home support** – access to MyMaths, MathsWatch, past papers and Mathsgenie to support learning at home. After school revision sessions	Fortnightly session using Mathswatch **At home support** – access to MyMaths, MathsWatch, past papers and Mathsgenie to support learning at home. After school revision sessions	papers and Mathsgenie to support learning at home. After school revision sessions	
Additional Subject Specific Information	In class recall: Focus 6/7 booklets	In class recall: Focus 6/7 booklets	In class recall: Focus 6/7 booklets			

Year 11 Higher Set 2 (Edexcel GCSE Mathematics 1MA1)

Term	Autumn (1)	Autumn (2)	Spring (1)	Spring (2)	Summer (1)	Summer (2)
Topic(s)/ Subjects(s)	Chapter 19b: Direct and Inverse Proportion Chapter 15: Quadratics Chapter 16: Circle Theorems	Chapter 17: Complex Algebra Chapter 18: Vectors	Crossover topics: Question level analysis of assessments inform planning. There is a significant overlap between set 3 and set 2 at this stage so that students can be entered for the most appropriate tier. This is adapted to the needs of the students. Key higher topics for set 2 students are also covered.			
Knowledge and skills (Content)	Forming and using equations for direct and inverse proportion Proportion graphs Roots and turning points of quadratics Product of three binomials Inequality regions Solving simultaneous equations graphically (linear, quadratic, circles) Circle theorems	Surds Algebraic fractions Rearranging difficult formulae Algebraic proof Inverse functions Composite functions Introduction to vectors	C1: Two way tables C2: Frequency Trees C3: Venn diagrams C4: Product of primes C5: Multiples in context C6: Best value C7: Exchange rates C8: Rounding and error intervals C9: Estimation C10: % of an amount C11: Interest and growth C12: Depreciation and decay C13: Reverse percentages C14: Fractions C15: Ratio C16: Proportion-recipes C17: Standard form C18: Index laws C19: Expanding and simplifying C20: Factorising C21: Solving equations C22: Changing the subject of a formula	C23: Averages C24: Averages from a table C25: Inequalities C26: Frequency diagrams C27: Scatter diagrams C28: Time series C29: Straight line graphs C30: Nonlinear graphs C31: Coordinate geometry C32: Compound measures C33: Real life graphs C34: Trigonometry C35: Bearings C36: Angles in parallel lines C37: Interior and exterior angles C38: Sampling C39: Pie charts C40: Probability C41: Probability trees C42: Plans and elevations C43: Constructions	C44: Circles, arcs and sectors C45: Surface area and volume C46: Congruence and similar shapes C47: Transformations C48: Vectors C49: Sequences C50: Forming and solving equations C51: Simultaneous equations H1: Recurring decimals H2: Product rule H3: Simple bounds H4: Simple surds H5: Expanding binomials H6: Quadratics H7: Sampling and cumulative frequency H8: Circle theorems H9: Simple functions	
Assessment	End of September: Past GCSE Higher Exam Paper 1 – Non Calculator (with structured revision task)	Early November: Past GCSE Higher Exam Paper 3 – Calculator December Trial Exams: Higher Paper 1, Paper 2 and Paper 3 (all with structured revision tasks)	Monthly past GCSE Paper (with structured revision task) End Jan End Feb End March	Past GCSE Papers	GCSE Examinations	
Cross Curricular Links						
SMSC, British Values, Cultural Capital	Mathematician of the Month and Diversion and Inclusion posters. Social developing problem-solving skills, resilience and mathematical reasoning are included in most lessons. Students are encouraged to where applicable, work collaboratively, supporting each other's progress and building confidence.	Mathematician of the Month and Diversion and Inclusion posters. Social developing problem-solving skills, resilience and mathematical reasoning are included in most lessons. Students are encouraged to where applicable, work collaboratively, supporting each other's progress and building confidence.	Mathematician of the Month and Diversion and Inclusion posters. Social developing problem-solving skills, resilience and mathematical reasoning are included in most lessons. Students are encouraged to where applicable, work collaboratively, supporting each other's progress and building confidence.	Mathematician of the Month and Diversion and Inclusion posters. Social developing problem-solving skills, resilience and mathematical reasoning are included in most lessons. Students are encouraged to where applicable, work collaboratively, supporting each other's progress and building confidence.	Mathematician of the Month and Diversion and Inclusion posters. Social developing problem-solving skills, resilience and mathematical reasoning are included in most lessons. Students are encouraged to where applicable, work collaboratively, supporting each other's progress and building confidence.	

CEIAG	Edexcel Themed Papers: Agriculture, Animal Care, Catering, Construction, Engineering, Equine Studies, Hair and Beauty, Health and Social Care, Horticulture, Motor Vehicle, Sport, Travel and Tourism	Edexcel Themed Papers: Agriculture, Animal Care, Catering, Construction, Engineering, Equine Studies, Hair and Beauty, Health and Social Care, Horticulture, Motor Vehicle, Sport, Travel and Tourism	Freelance filmmaker – Activity try being a freelance filmmaker Chartered management apprentice	Critical analysis – Activity try working for a cause you are passionate about		
Learning outside the classroom	**Homework** – Targeted 10 skills (half term 1 HA), plus two problem solving questions on previous topics **Computer room lesson** – Fortnightly session using Mathswatch **At home support** – access to MyMaths, MathsWatch, past papers and Mathsgenie to support learning at home. After school revision sessions	**Homework** – Targeted 10 skills (half term 2 HA), plus two problem solving questions on previous topics **Computer room lesson** – Fortnightly session using Mathswatch **At home support** – access to MyMaths, MathsWatch, past papers and Mathsgenie to support learning at home. After school revision sessions	**Homework** – Targeted 10 skills (half term 3 HA), plus two problem solving questions on previous topics **Computer room lesson** – Fortnightly session using Mathswatch **At home support** – access to MyMaths, MathsWatch, past papers and Mathsgenie to support learning at home. After school revision sessions	**Homework** – Targeted 10 skills (half term 4 HA), plus two problem solving questions on previous topics **Computer room lesson** – Fortnightly session using Mathswatch **At home support** – access to MyMaths, MathsWatch, past papers and Mathsgenie to support learning at home. After school revision sessions	**Computer room lesson** – Fortnightly session using Mathswatch **At home support** – access to MyMaths, MathsWatch, past papers and Mathsgenie to support learning at home. After school revision sessions	
Additional Subject Specific Information	In class recall: Focus 5/6 booklets	In class recall: Focus 5/6 booklets	In class recall: Focus 5/6 booklets			

Year 11 Foundation (Edexcel GCSE Mathematics 1MA1F)

Term	Autumn (1)	Autumn (2)	Spring (1)	Spring (2)	Summer (1)	Summer (2)
Topic(s)/ Subjects(s)	Chapter 16: Expanding, factorising and quadratics Chapter 17: Circles Chapter 18: Fractions and Reciprocals Chapter 18b: Indices and Standard Form	Chapter 19: Similarity, Congruence and Vectors Chapter 20: Harder Algebra and Graphs	Crossover topics: Question level analysis of assessments inform planning. There is a significant overlap between set 3 and set 2 at this stage so that students can be entered for the most appropriate tier. Foundation only topics are taught as part of quick recall starters.			
Knowledge and skills (Content)	Expanding double brackets Factorising and solving quadratics (including the difference of two squares) Drawing quadratic graphs Roots and turning points of quadratics Tangents, arcs, sectors and segments Calculating the area of a sector or length of an arc Spheres, pyramids and cones Reciprocals Operations with mixed fractions Negative and fractional indices Standard form	Congruent triangles Introduction to vectors Changing the subject of a formula Solving simultaneous equations with a graph Solving simultaneous equations algebraically Cubic and reciprocal graphs	C1: Two way tables C2: Frequency Trees C3: Venn diagrams C4: Product of primes C5: Multiples in context C6: Best value C7: Exchange rates C8: Rounding and error intervals C9: Estimation C10: % of an amount C11: Interest and growth C12: Depreciation and decay C13: Reverse percentages C14: Fractions C15: Ratio C16: Proportion-recipes C17: Standard form C18: Index laws	C19: Expanding and simplifying C20: Factorising C21: Solving equations C22: Changing the subject of a formula C23: Averages C24: Averages from a table C25: Inequalities C26: Frequency diagrams C27: Scatter diagrams C28: Time series C29: Straight line graphs C30: Nonlinear graphs C31: Coordinate geometry C32: Compound measures C33: Real life graphs C34: Trigonometry C35: Bearings	C36: Angles in parallel lines C37: Interior and exterior angles C38: Sampling C39: Pie charts C40: Probability C41: Probability trees C42: Plans and elevations C43: Constructions C44: Circles, arcs and sectors C45: Surface area and volume C46: Congruence and similar shapes C47: Transformations C48: Vectors C49: Sequences C50: Forming and solving equations C51: Simultaneous equations	
Assessment	End of September: Past GCSE Foundation Exam Paper 1 – Non Calculator (with structured revision task)	Early November: Past GCSE Foundation Exam Paper 3 – Calculator December Trial Exams: Foundation Paper 1, Paper 2 and Paper 3 (all with structured revision tasks)	Monthly past GCSE Paper (with structured revision task) End Jan End Feb End March	Past GCSE Papers	GCSE Examinations	
Cross Curricular Links	Science: Standard form	Physics: Rearranging formula				
SMSC, British Values, Cultural Capital	Mathematician of the Month and Diversion and Inclusion posters. Social developing problem-solving skills, resilience and mathematical reasoning are included in most lessons. Students are encouraged to where applicable, work collaboratively, supporting each other's progress and building confidence.	Mathematician of the Month and Diversion and Inclusion posters. Social developing problem-solving skills, resilience and mathematical reasoning are included in most lessons. Students are encouraged to where applicable, work collaboratively, supporting each other's progress and building confidence.	Mathematician of the Month and Diversion and Inclusion posters. Social developing problem-solving skills, resilience and mathematical reasoning are included in most lessons. Students are encouraged to where applicable, work collaboratively, supporting each other's progress and building confidence.	Mathematician of the Month and Diversion and Inclusion posters. Social developing problem-solving skills, resilience and mathematical reasoning are included in most lessons. Students are encouraged to where applicable, work collaboratively, supporting each other's progress and building confidence.	Mathematician of the Month and Diversion and Inclusion posters. Social developing problem-solving skills, resilience and mathematical reasoning are included in most lessons. Students are encouraged to where applicable, work collaboratively, supporting each other's progress and building confidence.	

CEIAG	Edexcel Themed Papers: Agriculture, Animal Care, Catering, Construction, Engineering, Equine Studies, Hair and Beauty, Health and Social Care, Horticulture, Motor Vehicle, Sport, Travel and Tourism	Edexcel Themed Papers: Agriculture, Animal Care, Catering, Construction, Engineering, Equine Studies, Hair and Beauty, Health and Social Care, Horticulture, Motor Vehicle, Sport, Travel and Tourism	Chartered management apprentice	Senior research manager	Gaming company director	
Learning outside the classroom	**Homework** – Differentiated 10 skills (half term 1 FAA or FA), plus two problem solving questions recapping chapters 1 and 7 content. **Computer room lesson** – Fortnightly session using Mathswatch **At home support** – access to MyMaths, MathsWatch and Mathsgenie to support learning at home. After school revision sessions	**Homework** – Differentiated 10 skills (half term 2 FAA or FA), plus two problem solving questions recapping chapters 1 and 7 content. **Computer room lesson** – Fortnightly session using Mathswatch **At home support** – access to MyMaths, MathsWatch and Mathsgenie to support learning at home. After school revision sessions	**Homework** – Differentiated 10 skills (half term 3 FAA or FA), plus two problem solving questions recapping chapters 1 and 7 content. **Computer room lesson** – Fortnightly session using Mathswatch **At home support** – access to MyMaths, MathsWatch and Mathsgenie to support learning at home. After school revision sessions	**Homework** – Differentiated 10 skills (half term 4 FAA or FA), plus two problem solving questions recapping chapters 1 and 7 content. **Computer room lesson** – Fortnightly session using Mathswatch **At home support** – access to MyMaths, MathsWatch and Mathsgenie to support learning at home. After school revision sessions	**Computer room lesson** – Fortnightly session using Mathswatch **At home support** – access to MyMaths, MathsWatch and Mathsgenie to support learning at home. After school revision sessions	
Additional Subject Specific Information	In class recall: Focus 4 booklets	In class recall: Focus 4 booklets	In class recall: Focus 5 booklets			