

Until our four-year curriculum vision can be realised, the team are implementing a transition scheme to support our current KS4 pupils. We are delivering the JustMaths scheme. Its founders were awarded the best UK maths department of the year 2019 for their outstanding pupil attainment and progress. The crossover scheme is ambitious in exposing students to more difficult curriculum content which ultimately resulted in greater success for their students. We adopted this scheme in order to deliver the same levels of success for our students.

		Term 1		Term 2		Term 3	
	Topic title	Working towards/recovery curriculum		Crossover		Crossover	
Year 10	Core Knowledge/ Concepts	Unit 1 - Number Unit 1- Number Unit 2 - Fractions & Percentages" Unit 2 - Fractions & Percentages Unit 2 - Fractions & Percentages Unit 3 - Charts & diagrams" Unit 3 - Charts & diagrams	Unit 4 - Mensuration & 2D shapes Unit 5 - Perimeter& Area/Angle facts / 3D forms Unit 6 - Intro to Algebra Unit 7 - Probability	1. Two-way tables 2. Frequency Trees 3. Venn Diagrams 4. Product of primes 5. HCF/LCM Best Value 7. Exchange Rates 8. Rounding / error intervals 9. Estimation 10. Percentages 11. Interest / Growth / Depreciation & Decay 12. Use of calculator	13. Reverse percentages 14. Fractions 14. Fractions 15. Ratio 16. Proportion / Recipe 16. Proportion / Recipes 17. Standard Form  17. Standard Form 18. Index Laws	18. Index Laws 19. Expand & Simplify 20. Factorising 21. Solving equations 21. Solving equations 22. Subject of 23. Averages 24 Averages from a table 25. Inequalities 26. Frequency Diagrams 27. Scatter graphs 28. Time Series 29. Straight line graphs 30. Quadratic and cubic graphs	30. Quadratic and cubic graphs 31. Coordinate Geometry 31. Coordinate Geometry 32. Speed / Distance Time / Compound Measures Revision 32. Speed / Distance Time / Compound Measures 33. Real life graphs
	How will it be assessed?	<ul style="list-style-type: none"> <li>'Check ins and 'check outs' for each unit</li> <li>Daily Reviews</li> <li>Low stakes quizzing</li> <li>Interleaving lesson starters</li> <li>Standardised end of unit assessment</li> </ul>	<ul style="list-style-type: none"> <li>'Check ins and 'check outs' for each unit</li> <li>Daily Reviews</li> <li>Low stakes quizzing</li> <li>Interleaving lesson starters</li> <li>Standardised end of unit assessment</li> </ul>	<ul style="list-style-type: none"> <li>Daily Reviews</li> <li>Low stakes quizzing</li> <li>Interleaving lesson starters</li> <li>Standardised end of unit assessment</li> </ul>	<ul style="list-style-type: none"> <li>Daily Reviews</li> <li>Low stakes quizzing</li> <li>Interleaving lesson starters</li> <li>Standardised end of unit assessment</li> </ul>	<ul style="list-style-type: none"> <li>Daily Reviews</li> <li>Low stakes quizzing</li> <li>Interleaving lesson starters</li> <li>Standardised end of unit assessment</li> </ul>	<ul style="list-style-type: none"> <li>Daily Reviews</li> <li>Low stakes quizzing</li> <li>Interleaving lesson starters</li> <li>Standardised end of unit assessment</li> </ul>
	Why are we doing this now? How does this build on prior knowledge and the knowledge still to come?	The purpose of the recovery curriculum is to ensure all students have the critical knowledge required to access GCSE content with confidence.		The Crossover is the core content that forms the intersection of the foundation and higher tiers at GCSE. Regardless of tier of entry, every student needs to be secured in their understanding of these topics.		The Crossover is the core content that forms the intersection of the foundation and higher tiers at GCSE. Regardless of tier of entry, every student needs to be secured in their understanding of these topics.	
Year 10 Higher	Topic title	Working towards	Crossover	Crossover	Crossover	Crossover	Crossover
	Core Knowledge/ Concepts	Unit 1 - Number Unit 2 - Fractions & Percentages Unit 2 - Fractions & Percentages Unit 3 - Charts & diagrams" Unit 3 - Charts & diagrams Unit 4 - Mensuration & 2D shapes Unit 4 - Mensuration & 2D shapes Unit 5 - Perimeter& Area/Angle facts / 3D forms" Unit 5 - Perimeter& Area/Angle facts / 3D forms Unit 6 - Intro to Algebra Unit 7 – Probability	1. Two-way tables 2. Frequency Trees 3. Venn Diagrams 4. Product of primes 5. HCF/LCM 6. Best Value 7. Exchange Rates 8. Rounding / error intervals 9. Estimation 10. Percentages 11. Interest / Growth / Depreciation & Decay 12. Use of calculator 13. Reverse percentages	14. Fractions 15. Ratio Proportion / Recipes. 17. Standard Form 17. Standard Form Calculations 18. Index Laws 18. Index Laws 19. Expand & Simplify 20. Factorising 21. Solving equations	21. Solving equations 22. Rearranging Formulae 23. Averages 24 Averages from a table 25. Inequalities 26. Frequency Diagrams 27. Scatter graphs 28. Time Series 29. Straight line graphs 30. Quadratic and cubic graphs 30. Quadratic and cubic graphs 31. Coordinate Geometry 31. Coordinate Geometry	32.Speed / Distance Time / Compound Measures 33. Real life graphs 34 Pythagoras / Trigonometry 34. Pythagoras / Trigonometry 34. Pythagoras / Trigonometry 35. Bearings 36. Alternate/ Corresponding 37. Interior / Exterior angles" 38. Sampling 39. Pie Charts	40.Probability 41. Probability Trees 42. Plans & elevations 43. Constructions 44. Circles, arcs, sectors Revision 45. Surface area & volume 45. Surface area & volume Catch up / Review

	<i>How will it be assessed?</i>	<ul style="list-style-type: none"> <li>• 'Check ins and 'check outs' for each unit</li> <li>• Daily Reviews</li> <li>• Low stakes quizzing</li> <li>• Interleaving lesson starters</li> <li>• Standardised end of unit assessment</li> </ul>	<ul style="list-style-type: none"> <li>• Daily Reviews</li> <li>• Low stakes quizzing</li> <li>• Interleaving lesson starters</li> <li>• Standardised end of unit assessment</li> </ul>	<ul style="list-style-type: none"> <li>• Daily Reviews</li> <li>• Low stakes quizzing</li> <li>• Interleaving lesson starters</li> <li>• Standardised end of unit assessment</li> </ul>	<ul style="list-style-type: none"> <li>• Daily Reviews</li> <li>• Low stakes quizzing</li> <li>• Interleaving lesson starters</li> <li>• Standardised end of unit assessment</li> </ul>	<ul style="list-style-type: none"> <li>• Daily Reviews</li> <li>• Low stakes quizzing</li> <li>• Interleaving lesson starters</li> <li>• Standardised end of unit assessment</li> </ul>	
	<i>Why are we doing this now? How does this build on prior knowledge and the knowledge still to come?</i>	The purpose of the recovery curriculum is to ensure all students have the critical knowledge required to access GCSE content with confidence.	The Crossover is the core content that forms the intersection of the foundation and higher tiers at GCSE. Regardless of tier of entry, every student needs to be secured in their understanding of these topics.		The Crossover is the core content that forms the intersection of the foundation and higher tiers at GCSE. Regardless of tier of entry, every student needs to be secured in their understanding of these topics.		
Year 10	<i>Topic title</i>	Crossover			Higher		
	<i>Core Knowledge/ Concepts</i>	34. Pythagoras / Trigonometry 34. Pythagoras / Trigonometry 34. Pythagoras / Trigonometry 35. Bearings 36. Alternate/ Corresponding 37. Interior / Exterior angles 38. Sampling 39. Pie Charts 39. Pie Charts 40. Probability 41. Probability Trees	41. Probability Trees 42. Plans & elevations 43. Constructions 44. Circles, arcs, sectors 45. Surface area & volume 45. Surface area & volume 46. Similarity and Congruence 47. Transformations	47. Transformations 47. Transformations 48. Vectors (intro) 49. Sequences 50. Forming & solving equations 51. Simultaneous equations 52. Direct/Inverse proportion	1a Recurring Decimals 1b Fractional / Negative indices 1c. Product Rule 1d. Upper & Lower Bounds 1d. Upper and Lower Bounds 1e. Surds 1e. Surds 2a. Expanding & Factorising 2b. Rearranging formulae	2c. Sequences 3. Coordinate Geometry 3. Coordinate Geometry 3. Coordinate Geometry 4. Surface Area and Volume 4. Surface Area and Volume	5. Transformations 6. Quadratics To allow for exams 6. Quadratics 7. Simultaneous Equations 7. Simultaneous Equations
	<i>How will it be assessed?</i>	<ul style="list-style-type: none"> <li>• Daily Reviews</li> <li>• Low stakes quizzing</li> <li>• Interleaving lesson starters</li> <li>• Standardised end of unit assessment</li> </ul>	<ul style="list-style-type: none"> <li>• Daily Reviews</li> <li>• Low stakes quizzing</li> <li>• Interleaving lesson starters</li> <li>• Standardised end of unit assessment</li> </ul>	<ul style="list-style-type: none"> <li>• Daily Reviews</li> <li>• Low stakes quizzing</li> <li>• Interleaving lesson starters</li> <li>• Standardised end of unit assessment</li> </ul>	<ul style="list-style-type: none"> <li>• Daily Reviews</li> <li>• Low stakes quizzing</li> <li>• Interleaving lesson starters</li> <li>• Standardised end of unit assessment</li> </ul>	<ul style="list-style-type: none"> <li>• Daily Reviews</li> <li>• Low stakes quizzing</li> <li>• Interleaving lesson starters</li> <li>• Standardised end of unit assessment</li> </ul>	
	<i>Why are we doing this now? How does this build on prior knowledge and the knowledge still to come?</i>	The Crossover is the core content that forms the intersection of the foundation and higher tiers at GCSE. Regardless of tier of entry, every student needs to be secured in their understanding of these topics.			Following the core content covered on the crossover, students now have the critical knowledge needed to access those skills covered only on the higher pathway.		
Year 11	<i>Topic title</i>	Crossover - Foundation					
	<i>Core Knowledge/ Concepts</i>	Personalised route map depending on individual class performance throughout Year 9 & 10					
	<i>How will it be assessed?</i>	<ul style="list-style-type: none"> <li>• By weekly in-class PPEs</li> <li>• Autumn/Spring PPEs</li> <li>• Daily Reviews</li> <li>• Interleaving lesson starter</li> <li>• Review points</li> </ul>	<ul style="list-style-type: none"> <li>• By weekly in-class PPEs</li> <li>• Autumn/Spring PPEs</li> <li>• Daily Reviews</li> <li>• Interleaving lesson starter</li> <li>• Review points</li> </ul>	<ul style="list-style-type: none"> <li>• By weekly in-class PPEs</li> <li>• Autumn/Spring PPEs</li> <li>• Daily Reviews</li> <li>• Interleaving lesson starter</li> <li>• Review points</li> </ul>	<ul style="list-style-type: none"> <li>• By weekly in-class PPEs</li> <li>• Autumn/Spring PPEs</li> <li>• Daily Reviews</li> <li>• Interleaving lesson starter</li> <li>• Review points</li> </ul>		
<i>Why are we doing this now? How does this build on prior knowledge and the knowledge still to come?</i>	Learning foundation level maths skills at GCSE level help to build up essential skills that are used on a daily basis. Skills such as problem solving, analysing data, communication, logical thinking and attention to detail.						

		Higher				
Year 11 Higher	<i>Topic title</i>					
	<i>Core Knowledge/ Concepts</i>	8. Conditional Probability 9. Direct and inverse proportion 10. Similarity in 2D and 3D 11a. Graphs of trig functions 11b. Further trig 11b. Further trigonometry 11b. Further trigonometry 12a. Sampling 12b Cumulative frequency 12c. Histograms	12c. Histograms 13a. Using graphs of circles, cubes and quadratics 13a. Using graphs of circles, cubes and quadratics 13b. Gradient and area under graphs 14 Circle geometry – gradients/tangents 14 Circle geometry – gradients/tangents 15 Circle theorems	15 Circle theorems 16. Algebraic Fractions 16. Algebraic Fractions 17. Functions 17. Functions 18. Algebraic Proof	18. Algebraic Proof 19. Congruence / Geometric Proof 19. Congruence / Geometric Proof 20. Vectors 20. Vectors 20. Vectors	
	<i>How will it be assessed?</i>	<ul style="list-style-type: none"> <li>By weekly in-class PPEs</li> <li>Autumn/Spring PPEs</li> <li>Daily Reviews</li> <li>Interleaving lesson starter</li> <li>Review points</li> </ul>	<ul style="list-style-type: none"> <li>By weekly in-class PPEs</li> <li>Autumn/Spring PPEs</li> <li>Daily Reviews</li> <li>Interleaving lesson starter</li> <li>Review points</li> </ul>	<ul style="list-style-type: none"> <li>By weekly in-class PPEs</li> <li>Autumn/Spring PPEs</li> <li>Daily Reviews</li> <li>Interleaving lesson starter</li> <li>Review points</li> </ul>	<ul style="list-style-type: none"> <li>By weekly in-class PPEs</li> <li>Autumn/Spring PPEs</li> <li>Daily Reviews</li> <li>Interleaving lesson starter</li> <li>Review points</li> </ul>	
<i>Why are we doing this now? How does this build on prior knowledge and the knowledge still to come?</i>	Only the more highly attaining students will be assessed on the content identified in the higher pathway. The highest attaining students will develop confidence and competence in those skills beyond the crossover.					
		Higher +				
Year 11 Higher +	<i>Topic title</i>					
	<i>Core Knowledge/ Concepts</i>	11b. Further trigonometry 11b. Further trigonometry 11b. Further trigonometry 12a. Sampling 12b Cumulative frequency 12b Cumulative frequency 12b Cumulative frequency 12c. Histograms	12c. Histograms 13a. Using graphs of circles, cubes and quadratics 13a. Using graphs of circles, cubes and quadratics 13b. Gradient and area under graphs 14 Circle geometry – gradients/tangents 14 Circle geometry – gradients/tangents 15 Circle theorems	15 Circle theorems 16. Algebraic Fractions 16. Algebraic Fractions 17. Functions 17. Functions 18. Algebraic Proof	18. Algebraic Proof 19. Congruence / Geometric Proof 19. Congruence / Geometric Proof 20. Vectors 20. Vectors 20. Vectors	
	<i>How will it be assessed?</i>	<ul style="list-style-type: none"> <li>By weekly in-class PPEs</li> <li>Autumn/Spring PPEs</li> <li>Daily Reviews</li> <li>Interleaving lesson starter</li> <li>Review points</li> </ul>	<ul style="list-style-type: none"> <li>By weekly in-class PPEs</li> <li>Autumn/Spring PPEs</li> <li>Daily Reviews</li> <li>Interleaving lesson starter</li> <li>Review points</li> </ul>	<ul style="list-style-type: none"> <li>By weekly in-class PPEs</li> <li>Autumn/Spring PPEs</li> <li>Daily Reviews</li> <li>Interleaving lesson starter</li> <li>Review points</li> </ul>	<ul style="list-style-type: none"> <li>By weekly in-class PPEs</li> <li>Autumn/Spring PPEs</li> <li>Daily Reviews</li> <li>Interleaving lesson starter</li> <li>Review points</li> </ul>	
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