

Departmental Overview

Maths is taught in three specialist classrooms which have interactive whiteboards. The curriculum has been organised so that skills are taught in weekly blocks and revisited in more depth as the year goes on. The purpose of this is to boost long term memory. The cycles are repeated as students progress through years 7-10 in even greater depth. At Year 11, the students' curriculum is tailored to knowledge gaps identified through regular GCSE exam practice. The exam board used is AQA.

There is a strong focus on improving numeracy and basic skills in Year 7 and Year 8. Every lesson, students in these year groups complete a 5 minute Numeracy Ninjas workout and their progress is tracked. All students in Key Stage 3 also complete an online Star Maths assessment in LC1, LC3 and LC5 to track their numeracy progress.

All homework in the department is online at Maths Watch. This allows students to get instant feedback on their answers and provides them with a video to help with their revision. Students are encouraged to email their maths teacher if they need further help with homework.

Departmental Staff

Ms K Kershaw	Head of Department
Mr M Tosh	Maths Teacher
Mr W Lane	Maths Teacher

Year 7 Maths

Examination/Specification
National curriculum
Curriculum Overview
LC1 Number Properties 1, Geometry & Measures, Number Properties 2 and Algebra 1 LC2 Fractions, Decimals & Percentages, Approximation, Algebra 2 and Collecting & Interpreting data LC3 Sequences & Graphs, Proportion 1, Ratio & Scale and Shape Properties LC4 Algebra 3, Transformations, Probability and Triangles & Constructions LC5 Interpreting Data, Circles, Algebra 4 and Solving Equations & Inequalities
Examination/Key Assessments
LC1 Weekly Learning Review: Used to identify and address gaps in student knowledge of the weekly line of inquiry. End of LC assessment: GCSE questions across the skills from LC1. 1 x 60 minute Non-Calculator Paper and 1 x 60 minute Calculator Paper. Baseline Star Maths assessment: online numeracy assessment.
LC2 Weekly Learning Review: Used to identify and address gaps in student knowledge of the weekly line of inquiry. End of LC assessment: GCSE questions across the skills from LC2 and LC1. 1 x 60 minute Non-Calculator Paper and 1 x 60 minute Calculator Paper.
LC3 Weekly Learning Review: Used to identify and address gaps in student knowledge of the weekly line of inquiry. End of LC assessment: GCSE questions across the skills from LC3, LC2 and LC1. 1 x 60 minute Non-Calculator Paper and 1 x 60 minute Calculator Paper. Second Star Maths assessment: online numeracy assessment.
LC4 Weekly Learning Review: Used to identify and address gaps in student knowledge of the weekly line of inquiry. End of LC assessment: GCSE questions across the skills from LC4, LC3, LC2 and LC1. 1 x 60 minute Non-Calculator Paper and 1 x 60 minute Calculator Paper.
LC5 Weekly Learning Review: Used to identify and address gaps in student knowledge of the weekly line of inquiry. End of LC assessment: GCSE questions across the skills from all Learning Cycles. 1 x 60 minute Non-Calculator Paper and 1 x 60 minute Calculator Paper. Third Star Maths assessment: online numeracy assessment.
Homework
Weekly on Maths Watch
How parents can help
Ask your child to explain what they have learned that day. Check your child is accessing Maths Watch at home at least twice a week and watch the videos with them if they are stuck. Test your child on their times tables so that they become more numerically fluent.

Year 8 Maths

Examination/Specification
National curriculum
Curriculum Overview
LC1 Number Properties 1, Geometry & Measures, Number Properties 2 and Algebra 1 LC2 Fractions, Decimals & Percentages, Approximation, Algebra 2 and Collecting & Interpreting data LC3 Sequences & Graphs, Proportion 1, Ratio & Scale and Shape Properties LC4 Algebra 3, Transformations, Probability and Triangles & Constructions LC5 Interpreting Data, Circles, Algebra 4 and Solving Equations & Inequalities
Examination/Key Assessments
<p>LC1 Weekly Learning Review: Used to identify and address gaps in student knowledge of the weekly line of inquiry. End of LC assessment: GCSE questions across the skills from LC1. 1 x 60 minute Non-Calculator Paper and 1 x 60 minute Calculator Paper. Baseline Star Maths assessment: online numeracy assessment.</p> <p>LC2 Weekly Learning Review: Used to identify and address gaps in student knowledge of the weekly line of inquiry. End of LC assessment: GCSE questions across the skills from LC2 and LC1. 1 x 60 minute Non-Calculator Paper and 1 x 60 minute Calculator Paper.</p> <p>LC3 Weekly Learning Review: Used to identify and address gaps in student knowledge of the weekly line of inquiry. End of LC assessment: GCSE questions across the skills from LC3, LC2 and LC1. 1 x 60 minute Non-Calculator Paper and 1 x 60 minute Calculator Paper. Second Star Maths assessment: online numeracy assessment.</p> <p>LC4 Weekly Learning Review: Used to identify and address gaps in student knowledge of the weekly line of inquiry. End of LC assessment: GCSE questions across the skills from LC4, LC3, LC2 and LC1. 1 x 60 minute Non-Calculator Paper and 1 x 60 minute Calculator Paper.</p> <p>LC5 Weekly Learning Review: Used to identify and address gaps in student knowledge of the weekly line of inquiry. End of LC assessment: GCSE questions across the skills from all Learning Cycles. 1 x 60 minute Non-Calculator Paper and 1 x 60 minute Calculator Paper. Third Star Maths assessment: online numeracy assessment.</p>
Homework
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Year 9 Maths

Examination/Specification
National curriculum
Curriculum Overview
LC1 Number Properties 1, Geometry & Measures, Number Properties 2 and Algebra 1 LC2 Fractions, Decimals & Percentages, Approximation, Algebra 2 and Collecting & Interpreting data LC3 Sequences & Graphs, Proportion 1, Ratio & Scale and Shape Properties LC4 Algebra 3, Transformations, Probability and Triangles & Constructions LC5 Interpreting Data, Circles, Algebra 4 and Solving Equations & Inequalities
Examination/Key Assessments
LC1 Weekly Learning Review: Used to identify and address gaps in student knowledge of the weekly line of inquiry. End of LC assessment: GCSE questions across the skills from LC1. 1 x 60 minute Non-Calculator Paper and 1 x 60 minute Calculator Paper. Baseline Star Maths assessment: online numeracy assessment.
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LC3 Weekly Learning Review: Used to identify and address gaps in student knowledge of the weekly line of inquiry. End of LC assessment: GCSE questions across the skills from LC3, LC2 and LC1. 1 x 60 minute Non-Calculator Paper and 1 x 60 minute Calculator Paper. Second Star Maths assessment: online numeracy assessment.
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Year 10 Maths

Examination/Specification
AQA
Curriculum Overview
LC1 Number Properties 1, Geometry & Measures, Number Properties 2 and Algebra 1 LC2 Fractions, Decimals & Percentages, Approximation, Algebra 2 and Collecting & Interpreting data LC3 Sequences & Graphs, Proportion 1, Ratio & Scale and Shape Properties LC4 Algebra 3, Transformations, Probability and Triangles & Constructions LC5 Interpreting Data, Circles, Proportion 2 and Solving Equations & Inequalities
LC1 Weekly Learning Review: Used to identify and address gaps in student knowledge of the weekly line of inquiry. End of LC assessment: GCSE questions across the skills from LC1. 1 x 60 minute Non-Calculator Paper and 1 x 60 minute Calculator Paper.
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