Ruislip High School

Subject: Maths

Year 7	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
What students are learning	Number	Number, ratio and proportion	Number and algebra	Algebra and graphs	Algebra	Geometry and measures
Key Content and Skills	• Baseline assessment (KS2 knowledge) • Basic number • Directed numbers • Decimals • Factors & Multiples • Set theory	• Rounding & Estimation • Bounds • Fractions • Indices & Standard form • Ratio • Proportion	• Percentages, growth & decay • Basic algebra • Quadratic algebra • Algebraic proof • Algebraic fractions	• Formulae • Simultaneous equations • Linear graphs • Quadratic graphs • Real life graphs • Distance-time graphs	• Sequences • Functions and function machines • Inequalities • Linear programming	• Area & perimeter • Circles, arcs and sectors • Angles • Angles in polygons
	Parents/Guardians can support their child's learning using the following websites: Mathswatch - login details provided to the student Corbett Maths The websites above have video tutorials, worksheets and exam-style questions. The 5 a day activities are excellent resources for all years as mini revision tasks.					

	All homework is set as revision tasks. This is set weekly on Google Classroom, please see this for specific details. Homework is self-marked and visually checked by the class teacher for quality of presentation and working out. Students are formally assessed five times a year. This is announced in class by the teacher and a topic list will be provided on Google Classroom approximately 3 weeks in advance. Assessments are marked within five working days and common misconceptions and errors are re-taught to all students before receiving their assessments back. Assessments are specific to a class.					
Assessment	**Approximate assessment date: Wb 1st September 2025**	**Approximate assessment date: Wb 20th October 2025**	**Approximate assessment date: Wb 15th December 2025**	**Approximate assessment date: Wb 9th February 2026**	**Approximate assessment date: Wb 23rd March 2026**	**Approximate assessment date: Wb 18th May 2026**
	Assessment dates are subject to change and will be communicated to students on GoogleClassroom. *Topic lists will be provided on Google Classroom approximately 3 weeks before the assessment.*					
How can students prepare beyond the classroom?	Students should: ● Ensure they have a scientific calculator and know how to use it properly ● Revise their timetables and their reverse for division ● Revise KS2 knowledge of fractions ● Revise arithmetic with decimals		Students should: ● Bring all correct equipment to lesson, especially a calculator ● Use Mathswatch to revise any topics from last term and to complete all homework		Students should: ● Use the websites below to help remind themselves of the topics listed ● www.vle.mathswatch.com ● BBC Bitesize KS3	

Year 8	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
What students are	Geometry and measures	Geometry and statistics	Statistics and probability	Number	Number, ratio and proportion	Algebra

learning						
Key Content and Skills	• Pythagoras and trigonometry • Scale, bearings, constructions and loci • 3D shapes, surfaces areas and volumes • Compound measures	• Similarity & congruence • Vectors • Transformations • Averages	• Representing data • Probability	• Basic number • Directed numbers • Decimals • Factors & Multiples • Set theory • Rounding & Estimation • Bounds • Fractions	• Indices, Surds & Standard form • Ratio • Proportion • Percentages, growth & decay	• Basic algebra • Quadratic algebra • Algebraic proof • Algebraic fractions • Formulae
	Parents/Guardians can support their child's learning using the following website: Mathswatch - login details provided to the student Corbett Maths The websites above have video tutorials, worksheets and exam style questions. The 5 a day activities are excellent resources for all years as mini revision tasks. All homework is set as revision tasks. This is set weekly on Google Classroom, please see this for specific details. Homework is self-marked and visually checked by the class teacher for quality of presentation and working out. Students are formally assessed five times a year. This is announced in class by the teacher and a topic list will be provided on Google Classroom approximately 3 weeks in advance. Assessments are marked within five working days and common misconceptions and errors are re-taught to all students before receiving their assessments back. Assessments are specific to a class.					
Assessment	**Approximate assessment date: Wb 3rd November 2025**	**Approximate assessment date: Wb 5th January 2026**	**Approximate assessment date: Wb 23rd February 2026**	**Approximate assessment date: Wb 13th April 2026**	**Approximate assessment date: Wb 1st June 2026**	

	Assessment dates are subject to change and will be communicated to students on GoogleClassroom. *Topic lists will be provided on Google Classroom approximately 3 weeks before the assessment.*		
How can students prepare beyond the classroom?	Students should: ● Recap on previous learning on topics ● Ensure that basics are well understood, for example: indices, properties of 2D and 3D shapes, familiarising yourself with different measures and ways to represent data	Students should: ● Bring all correct equipment to lesson, especially a calculator ● UseMathswatch to revise any topics from last term and to complete all homework	Students should: ● Use the websites below to help remind themselves of the topics listed ● www.vle.mathswatch.com ● BBC Bitesize KS3

Year 9	**Autumn 1**	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**
What students are learning	Algebra and graphs	Algebra, geometry and measures	Geometry and measures	Geometry and measures	Geometry, measures, statistics and probability	A mixture of all strands that will equip students for a solid start for GCSE Maths in Year 10
Key Content and Skills	● Simultaneous equations ● Linear graphs ● Quadratic graphs ● Real life graphs ● Distance-time graphs ● Sequences	● Functions and function machines ● Inequalities ● Linear programming ● Area & perimeter ● Circles, arcs	● Angles ● Angles in polygons ● Circle theorems ● Pythagoras and trigonometry ● Scale, bearings, constructions and loci	● 3D shapes, surfaces areas and volumes ● Compound measures ● Similarity & congruence ● Vectors	● Transformations ● Averages ● Representing data ● Probability	● Recap of misconceptions during the year ● Preparation for KS4

		and sectors				
	Parents/Guardians can support their child's learning using the following website: Mathswatch - login details provided to the student Corbett Maths The websites above have video tutorials, worksheets and exam style questions. The 5 a day activities are excellent resources for all years as mini revision tasks. All homework is set as revision tasks. This is set weekly on Google Classroom, please see this for specific details. Homework is self-marked and visually checked by the class teacher for quality of presentation and working out. Students are formally assessed five times a year. This is announced in class by the teacher and a topic list will be provided on Google Classroom approximately 3 weeks in advance. Assessments are marked within five working days and common misconceptions and errors are re-taught to all students before receiving their assessments back. Assessments are specific to a class.					
Assessment	**Approximate assessment date: Wb 10th November 2025**	**Approximate assessment date: Wb 5th January 2026**	**Approximate assessment date: Wb 2nd March 2026**	**Approximate assessment date: Wb 20th April 2026**	**Approximate assessment date: Wb 8th June 2026**	
	Assessment dates are subject to change and will be communicated to students on GoogleClassroom. *Topic lists will be provided on Google Classroom approximately 3 weeks before the assessment.*					
How can students prepare beyond the classroom?	Students should: ● Recap previous learning on topics ● Ensure they have the correct equipment (scientific calculator, compass, protractor, ruler, pen and pencil) ● Practise their written arithmetic and mental arithmetic		Students should: ● Bring all correct equipment to lesson, especially a calculator ● Use Mathswatch to revise any topics from last term and to complete all homework		Students should: ● Use the websites below to help remind themselves of the topics listed ● www.vle.mathswatch.com ● BBC Bitesize KS3	

Year 10	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
What students are learning	Number	Number, ratio ,proportion and algebra	Algebra and graphs	Algebra and graphs	Geometry and measures	Geometry and measures
Key Content and Skills	• Basic number • Directed numbers • Decimals • Factors & Multiples • Set theory • Rounding & Estimation • Bounds • Fractions • Indices, Surds & Standard form	• Ratio • Proportion • Percentages, growth & decay • Basic algebra • Quadratic algebra • Algebraic proof • Algebraic fractions	• Formulae & Iteration • Simultaneous equations • Linear graphs • Quadratic & non linear graphs • Circle graphs	• Real life graphs • Distance-time graphs • Sequences • Functions and function machines • Inequalities • Linear programming	• Area & perimeter • Circles, arcs and sectors • Angles • Angles in polygons • Circle theorems	• Pythagoras and trigonometry • Scale, bearings, constructions and loci
	Parents/Guardians can support their child's learning using the following website: Mathswatch - login details provided to the student Corbett Maths Maths Genie Maths Made Easy The websites above have video tutorials, worksheets, exam style questions by topic and past exam papers. All homework is set as revision tasks. This is set weekly on Google Classroom, please see this for specific details. Homework is self-marked and visually checked by the class teacher for quality of presentation and working out. Students are formally assessed five times a year. This is announced in class by the teacher and a topic list will be provided on Google					

	Classroom approximately 3 weeks in advance. This includes Pre Public Examinations (PPEs) Assessments are marked within five working days and common misconceptions and errors are re-taught to all students before receiving their assessments back. Assessments are specific to a class.					
Assessment	**Approximate assessment date: Wb 3rd November 2025**	**Approximate assessment date: Wb 26th January 2026**	**Approximate assessment date: Wb 23rd March 2026**	**Approximate assessment date: Wb 8th June 2026**	**Approximate assessment date: Wb 6th July 2026**	
	Assessment dates are subject to change and will be communicated to students on GoogleClassroom. *Topic lists will be provided on Google Classroom approximately 3 weeks before the assessment.*					
How can students prepare beyond the classroom?	Students should: ● Use mathswatchvle.com and to revise weaker topics		Students should: ● Bring all correct equipment to lesson, especially a calculator ● Use Mathswatch to revise any topics from last term and to complete all homework		Students should: ● Complete all homework to the best of their ability ● Use www.vle.mathswatch.com to revise topics; rearranging formula, substitution, ratio and proportion and solving equations ● Bring a calculator to all maths lessons	

Year 11	**Autumn 1**	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**
What students are learning	Geometry and measures	Statistics and probability	A variety of topics specific to the class based on finding from PPEs. This will include exam practice.	A variety of topics specific to the class based on finding from PPEs. This will include exam practice.	A variety of topics specific to the class based on finding from PPEs. This will include exam practice.	
Key Content	● 3D shapes,	● Averages	● Revision topics	● Revision topics	GCSEs completed in	GCSEs completed

<table>
<tr><td>and Skills</td><td>surfaces areas and volumes
• Compound measures
• Similarity & congruence
• Vectors
• Transformations</td><td>• Representing data
• Probability</td><td>specific to class</td><td>specific to class</td><td>early June.</td><td></td></tr>
<tr><td></td><td colspan="6">Parents/Guardians can support their child’s learning using the following website:
Mathswatch - login details provided to the student
Corbett Maths
Maths Genie
Maths Made Easy
The websites above have video tutorials, worksheets, exam style questions by topic and past exam papers.

All homework is set as revision tasks. This is set weekly on Google Classroom, please see this for specific details. Homework is self-marked and visually checked by the class teacher for quality of presentation and working out. Students also begin weekly exam papers (Test Tuesdays) in lessons. It is encouraged students complete these in their own time.

Students are formally assessed two - three times in year 11. This is announced in class by the teacher and a topic list will be provided on Google Classroom approximately 3 weeks in advance. This includes Pre Public Examinations (PPEs)
Assessments are marked within five working days and common misconceptions and errors are re-taught to all students before receiving their assessments back. Assessments are specific to a class.</td></tr>
<tr><td rowspan="2">Assessment</td><td>Approximate assessment date: Wb 13th October 2025</td><td>Approximate assessment date: Wb 1st December 2025</td><td>Approximate assessment date: Wb 2nd March 2026</td><td></td><td></td><td></td></tr>
<tr><td colspan="6">Assessment dates are subject to change and will be communicated to students on GoogleClassroom.
Topic lists will be provided on Google Classroom approximately 3 weeks before the assessment.</td></tr>
</table>

How can students prepare beyond the classroom?	Students should: ● Bring all correct equipment, including scientific calculator, compass and protractor ● Use mathswathcvle.com to go through weaker topics ● Complete all Test Tuesday booklets	Students should: ● Bring all correct equipment to lesson, especially a calculator ● Use Mathswatch to revise any topics from last term and to complete all homework ● Complete all Test Tuesday booklets	Students should: ● Revise and prepare for exams

Year 12	**Autumn 1**	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**
What students are learning	Algebra and Trigonometry	Algebra and Trigonometry	Trigonometry and Calculus	Statistics and Mechanics	Statistics and Mechanics	Algebra and Geometry
Key Content and Skills	● Algebraic expressions ● Quadratics equations and inequalities & graphs, ● Coordinate geometry ● Trigonometric identities and equations		● Continue working through the pure maths topics, including Integration,Exponentials and Logarithms and Vectors. ● The Applied module will also be taught, looking at modelling and acceleration for mechanics, while statistics will be focusing on measures of location and spread and data representation.		● Applied topics ● Statistics ● Mechanics ● Preparation for PPEs. ● Start second year of the A level content - algebra methods and radians	
	Parents/Guardians can support their child's learning using the following website: Mathswatch - login details provided to the student					

	Corbett Maths Dr Frostmaths TLMaths The websites above have video tutorials, worksheets and exam style questions. All homework is to complete tasks from textbook or worksheets or from online resources. These tasks need to be completed for the next lesson. The nature of the course builds on information learnt from previous lessons. All students should spend a minimum of 5 hours a week on homework.		
Assessment	*Assessment dates are subject to change and will be communicated to students on GoogleClassroom.* *Topic lists will be provided on Google Classroom approximately 3 weeks before the assessment.*		
How can students prepare beyond the classroom?	Students should: ● Bring all correct equipment to lesson, especially a calculator ● Use mathswatchvle.com to go through any topics they do not understand	Students should: ● Bring all correct equipment to lesson, especially a Classwiz calculator ● Use mathswatchvle.com to go through any topics they do not understand including recapping on vectors, averages and histograms from GCSE ● Use mathsgenie to practise/revise topics from the Autumn term	Students should: ● Complete all review exercises and end of chapter chapter exercises from the Pure textbook ● Use their PLCs for targeted revision ● Complete past exam questions - these can be found on physicsandmathstutor.com.

Year 13	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
What students are learning	Algebra, trigonometry and vectors	Algebra, trigonometry and vectors	Algebra, trigonometry, mechanics and	Mechanics and statistics	Algebra, trigonometry, mechanics and statistics	

			statistics		
Key Content and Skills	● Differentiation ● Numerical Methods ● Integration ● Parametric equations ● Vectors		● Applied topics mechanics and statistics, including revision of Year 12		● Revision
	Parents/Guardians can support their child's learning using the following website: Mathswatch - login details provided to the student Corbett Maths Dr Frostmaths TLMaths The websites above have video tutorials, worksheets and exam style questions. All homework is to complete tasks from textbook or worksheets or from online resources. These tasks need to be completed for the next lesson. The nature of the course builds on information learnt from previous lessons. All students should spend a minimum of 5 hours a week on homework.				
Assessment	*Assessment dates are subject to change and will be communicated to students on GoogleClassroom.* *Topic lists will be provided on Google Classroom approximately 3 weeks before the assessment.*				
How can students prepare beyond the classroom?	Students should: ● Use Solomon.net, examsolutions.net and YouTube clips to revise differentiation and trigonometric equations learnt in Year 12 in preparation for Year 13		Students should: ● Bring all correct equipment to lesson, especially a Classwizz calculator ● Use mathswatchvle.com to go through any topics they do not understand from Year 1 mechanics and statistics ● Use mathsgenie to practise/revise topics from the Autumn term and Year 1 content		Students should: ● Revise and prepare for exams