Maths

Topics that will be taught						
Year	Autumn Term		Spring Term		Summer Term	
Year 7	• Integers, decimals, rounding and standard form • Factorising, expanding and substituting		• Angles in polygons and parallel lines • Perimeter, area and volume		• Fractions, decimals and percentages • Probability • Statistics	
Year 8	• Equations and inequalities • Ratio, proportion and compound measures		• Geometry, Pythagoras and trigonometry • Graphing		• Sequences • Transformations and similarity	
Year 9	Foundation	Higher	Foundation	Higher	Foundation	Higher
	Unit 1: Number Unit 2: Algebra	Unit 1: Number Unit 2: Algebra	Unit 3: Graphs, tables and charts Unit 4: Fractions and percentages Unit 5: Equations, inequalities and sequences	Unit 3: Interpreting and representing data Unit 4: Fractions, ratio and percentages Unit 5: Angles and trigonometry	Unit 6: Angles Unit 7: Averages and range	Unit 6: Graphs Unit 7: Area and volume

Year Group	What parents can do to support learning	Useful links and reference materials	Revision for end of Year Exam
Year 7	*There is significant evidence that positive talk around Maths and belief in success through practise has a huge impact on mathematical ability in children.* *Parliamentary Committee notes* • Encourage daily practice of key skills (times tables, number facts). • Support completion of Sparx homework and check for understanding. • Ask children to explain their working aloud. • Promote neat presentation and showing full working.	• Maths Genie – KS3 topics: https://www.mathsgenie.co.uk • Corbettmaths (videos & worksheets): https://corbettmaths.com • BBC Bitesize KS3 Maths: https://www.bbc.co.uk/bitesize • Times Tables online generators • Tassomei	• Revise core number skills (fractions, decimals, percentages). • Practise arithmetic regularly (four operations). • Use Corbettmaths 5-a-day (Numeracy and Foundation). • Revisit topic checklists in revision lists given. • Complete practice questions from the Maths Genie KS3 section.
Year 8	• Ensure regular revision of previous topics, not just current homework. • Encourage independent problem-solving before asking for help. • Test key vocabulary (e.g. probability, ratio, algebra). • Support organisation of notes and revision materials. • Encourage attendance at intervention/support sessions if offered.	• Maths Genie – KS3 & GCSE Foundation: https://www.mathsgenie.co.uk • Corbettmaths (5-a-day & topic practice): https://corbettmaths.com • BBC Bitesize KS3 Maths • Dr Frost Maths: https://www.drfrostmaths.com • Tassomei	• Revise algebra basics (simplifying, solving equations). • Practise ratio, percentages and probability. • Use Corbettmaths 5-a-day (Foundation/Foundation Plus as appropriate). • Attempt mixed-topic practice papers. • Identify weaker topics and revisit videos before reattempting questions.
Year 9	• Encourage a structured weekly revision timetable. • Promote independent study habits in preparation for GCSE. • Support regular retrieval practice of key topics. • Encourage students to correct mistakes and learn from feedback. • Discuss progress towards the GCSE pathway (Foundation/Higher).	• Maths Genie – GCSE (Foundation & Higher): https://www.mathsgenie.co.uk • Corbettmaths (videos, exam questions, 5-a-day): https://corbettmaths.com • Dr Frost Maths • BBC Bitesize GCSE Maths • GCSE practice papers (Maths Genie & Corbettmaths)	• Revise key GCSE topics covered so far (algebra, geometry, ratio, probability). • Complete GCSE-style exam questions. • Use Corbettmaths 5-a-day (Foundation or Higher). • Practise full past papers under timed conditions. • Focus revision on identified gaps from assessments.