The Regis School
The best in everyone™
A member of United Learning Trust

Maths Year 8

We hope this curriculum overview helps parents / carers to understand more about our curriculum, and to support students to continue learning at home. Please visit the subject page of our website to find more detailed information about the curriculum.

Subject	What are students learning in lessons?	What could students do to extend their learning and develop their character?
Autumn Term 1	Powers and Roots. Prime Factorisation. Rounding: significant figures. Fractions: multiplying and dividing.	Be resilient: memorise square, cube and prime numbers. How many can you get to? Create a revision guide to help others to learn them too.
Autumn Term 2	Solving Equations 1: one step, two step, forming and solving. Angles in Parallel Lines. Circumference: circles and part circles.	Be curious: use string to measure the circumference of a circle, then divide it by the diameter. Repeat for at least 5 circles. Record your findings in a results table.
Spring Term 1	Direct Proportion: unitary method, recipes and best buys. Fractions, decimals and percentages. Percentage Calculations: percentage of amounts, percentage increase and decrease.	Be curious: find your favourite recipe and work out the amount of ingredients needed for 2, 8 and 20 people. Present the information in a table.
Spring Term 2	Ratio 1: writing and simplifying, sharing into a ratio, combining ratio. Area of Circles: circles and part circles, compound shapes, combined circumference and area.	Be curious: create a pizza menu with different-sized pizzas. Work out which offers the best value and explain your reasoning.
Summer Term 1	Statistics 1: drawing and interpreting pictograms, bar graphs line graphs and pie charts. Averages and Spread: calculating mean, median, mode and range.	Be curious: create a survey to investigate a question. Display your results using a pictogram, bar graph or pie chart.
Summer Term 2	3D Visualisation: properties of 3D shapes, nets. Volume 1: units of volume and capacity, volume of prisms, volume of cylinders, spheres, cones and pyramids.	Be curious: design the net for your own product packaging and calculate how much it could hold.

How should I plan my time?	Assessment	Home Learning
	Students think hard and answer lots of questions every lesson. Students practice and get feedback on their work. Exam: Spring 1 and Summer 2	Character tasks and Sparx Maths to continue the joy of learning beyond the classroom.