Maths   Year 8

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

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 determined: how many square, cube and prime numbers you can memorise?
Autumn Term 2	Solving equations 1: one step, two step, forming and solving. Angles in parallel lines. Circumference: circles and part circles.	Be curious: using a piece of string measure the circumference of different sized circles. Divide the circumferences their diameters - what do you notice?
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 independent: find your favourite recipe and work out the amount of ingredients needed for 2, 8 and 20 people.
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 creative: create a poster or revision card with everything you have learned about area and circumference of circles.
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 independent: create your own survey and 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: discover what happens when you calculate vertices - faces + edges. Does it work for all 3D shapes?

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	Due every Thursday at 4pm: 1 hour Sparx Maths