Maths   Year 7

The Regis School
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Please use this Route Through to learn more about what students are learning in lessons, and how they can extend their learning at home. Please contact the Head of Department or Director of Year for more information.

Subject	What are students learning in lessons?	What could students do to extend their learning and develop their character?
Autumn Term 1	Numerical Skills: place value, negative numbers, rounding Order of Operations: prioritising operations, inserting brackets. Introduction to Algebra: simplifying expressions, rearranging formulae, substituting into expressions.	Be curious: use Google to find the 'four fours operation' challenge. Can you complete it? Make it harder and do 1-100!
Autumn Term 2	Factors and Multiples: listing, finding HCF and LCM. Expand and Factorise: expand and factorise single brackets. Addition and Subtraction: including with decimals and within two-way tables. Perimeter: finding the perimeter of polygons.	Be independent: when you go to a shop, add up the cost of your items and work out the amount of change you should get.
Spring Term 1	The mean average. Multiplication and division: long multiplication, bus stop division, dividing by a decimal. Area of quadrilaterals and triangles: area of squares, rectangles, parallelograms, trapeziums and triangles.	Be curious: On average, how many times per day do you say 'Thank you'? Record your data for a week and find the mean number of times per day.
Spring Term 2	Fraction manipulation division. Adding and subtracting fractions. Comparing and ordering fractions. Fraction of amounts.	Be curious: Research Egyptian Fractions and have a go at the NRich Egyptian Fractions challenge.
Summer Term 1	Polygons: properties of polygons, symmetry. Angles: naming, drawing and estimating angles, basic angle facts, muti-step angle problems. Coordinates: reading and plotting, midpoints, basic graphs.	Be creative: design your own logo that has an order of rotational symmetry of 4.
Summer Term 2	Time: reading analogue clocks, converting between 12 hour and 24 hour time, converting units of time, reading timetables, time calculations.	Be curious: listen to Radio 4's You're Dead To Me podcast on the history of timekeeping.

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