

AUTUMN 1

Number <ul style="list-style-type: none"> - Negative numbers - Decimal calculations - Order of operations 	Number Properties <ul style="list-style-type: none"> - Factors, multiples and primes - Squaring, cubing, square rooting and cube rooting - Use a calculator efficiently 	RAR Teachers will use assessment data to revisit topics to improve these skills.	Measurements and Scale Drawings <ul style="list-style-type: none"> - Metric/ imperial units - Scale drawings - Nets of 3D shapes 	RAR Teachers will use assessment data to revisit topics to improve these skills.	Prior Learning -Negative Numbers (Year7 Aut1) -Decimal Calculations (Year7 Aut1) -Order of Operations (Year7 Aut1) -Number Properties (Year8 Aut1) -Measurements and Scale Drawing (Year7 Sum1)
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AUTUMN 2

Decimals and Fractions <ul style="list-style-type: none"> - Simplifying Fractions - Converting improper and mixed numbers - Converting decimals and fractions - Fractions of amounts - Add/ Subtract/ multiply/ divide fractions 	Linear Expressions and Equations <ul style="list-style-type: none"> - Substitution - Collecting like terms - Expanding/ factorising - Solving Equations 	Basic Charts and Averages <ul style="list-style-type: none"> - Line Graphs - Pictograms - Averages - Averages from frequency tables 	RAR Teachers will use assessment data to revisit topics to improve these skills.	Prior Learning -Decimals and Fractions (Year7 Aut1/ Year8 Spr1) -Linear Expressions and Equations (Year7 Spr1/ Year8 Aut2) -Basic Charts and Averages (Year7 Spr1)
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SPRING 1

Rounding and Approximation <ul style="list-style-type: none"> - Rounding to decimal places and significant figures - Estimation 	Angles <ul style="list-style-type: none"> - Solve angle problems by using known angle facts - Angles on parallel lines - Bearings 	Linear Graphs <ul style="list-style-type: none"> - Co-ordinates - Plotting linear graphs - Equation of a line - Conversion graphs 	RAR Teachers will use assessment data to revisit topics to improve these skills.	Prior Learning -Rounding and Approximation (Year8 Aut1) -Angles (Year7 Spr2/ KS2) -Linear Graphs (Year8 Spr1) -Conversion Graphs (Year8 Spr2)
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SPRING 2

Transformations <ul style="list-style-type: none"> - Rotation and reflection - Translation - Enlargement - Solve problems with multiple transformations 	RAR Teachers will use assessment data to revisit topics to improve these skills.	Assessment and QLA Students will receive personalised feedback and revisit topics that are specific to their own needs.	Prior Learning Limited transformations (KS2)
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SUMMER 1

Ratio and Proportion <ul style="list-style-type: none"> - Simplifying ratios - Sharing into a ratio - Combining ratios - Recipe style proportion and Best Buys 	Constructions and Loci <ul style="list-style-type: none"> - Plans and elevations - Construct triangles - Construct angle bisectors and perpendicular bisectors - Solve problems involving loci 	Perimeter, Area and Volume <ul style="list-style-type: none"> - Perimeter and area of 2D shapes - Volume of a prism - Area and circumference of a circle 	Prior Learning -Ratio and Proportion (Year7 Sum2/ Year8 Spr2) -Perimeter, Area and Volume (Year7 Spr2/ Year7 Sum1)
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SUMMER 2

Probability <ul style="list-style-type: none"> - Equally likely outcomes - Mutually exclusive events - Experimental probability 	Assessment and QLA Students will receive personalised feedback and revisit topics that are specific to their own needs.	Prior Learning Probability (Year7 Aut2)
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CAREERS LINKS

Accountancy, chef, banking insurance, bookmaking, risk analyst, news reporting, analyst, businessperson, performance analyst. Actuaries, economist, meteorologist, carpenter, welder, construction, architecture, joinery, games designer, software design & IT, engineering, catering, hairdressing.

CHARACTER LINKS

Perseverance and determination skills are fostered (performance virtues) particularly when students do not arrive at the correct answer first time and when trial and error skills are needed. Project work encourages critical thinking, judgement and reasoning skills (intellectual virtues) to arrive at the outcome

KEY ASSESSMENT DATES

Year 9 will then have an assessment at the end of every unit (approximately 2-3 weeks). They will have one large assessment at both March and then at the end of the year which will test all the topics that the students have covered.