

AUTUMN 1

Percentages <ul style="list-style-type: none"> - Converting percentages, fractions and decimals - Calculate percentage change - Find percentages of amounts - Increase/Decrease by a percentage - Compound and simple interest - Reverse Percentages 	Quadratic Equations <ul style="list-style-type: none"> - Solve linear equations - Expand double brackets - Factorise quadratic expressions - Solve quadratic equations - Draw and interpret quadratic graphs 	Angles – Parallel Lines <ul style="list-style-type: none"> - Angles in parallel lines - Bearings 	RAR Teachers will use assessment data to revisit topics to improve these skills.	Prior Learning <ul style="list-style-type: none"> - Percentages (Year7Aut1/ Year8Spr1) - Equations (Year7Spr1/ Year9CAut2) - Indices (Year8Aut2) - Standard Form (Year8Aut1)
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AUTUMN 2

Statistical Diagrams <ul style="list-style-type: none"> - Data collection - Pie charts - Scatter diagrams - Averages from frequency tables - Stem and leaf diagrams 	RAR <ul style="list-style-type: none"> - Teachers will use assessment data to revisit topics to improve these skills. 	Assessment and QLA Students will receive personalised feedback and revisit personalised topics.	Prior Learning <ul style="list-style-type: none"> - Statistical Diagrams (Year7Spr1) - Number (Year9CAut1)
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SPRING 1

Right-Angled Triangles <ul style="list-style-type: none"> - Pythagoras Theorem - Trigonometry of right angles triangles - Solve problems involving Pythagoras and Trigonometry 	Complex Probabilities <ul style="list-style-type: none"> - Simple Probability - Probability of two events happening - Two-way tables - Frequency trees - Probability trees and Venn Diagrams 	RAR Teachers will use assessment data to revisit topics to improve these skills.	Prior Learning <ul style="list-style-type: none"> - Sequences (Year8Sum1) - Number Properties (Year9CAut1) - Similar Shapes (Year8Spr2)
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SPRING 2

Ratio and Proportion – Recap <ul style="list-style-type: none"> - Simplify ratios - Share into a given Ratio - Solve proportion problems - Solve recipe-style problems 	RAR Teachers will use assessment data to revisit topics to improve these skills.	Assessment and QLA Students will receive personalised feedback and revisit personalised topics.	Prior Learning <ul style="list-style-type: none"> - Probability (Year7Aut2/ Year9Csum2) - Circles (Year9Fsum1)
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SUMMER 1

Sequences <ul style="list-style-type: none"> - Generate a sequence given its nth term - Find the nth term of a sequence - Solve problems involving sequences 	Simultaneous Equations and Inequalities <ul style="list-style-type: none"> - Solve equations - Solve inequalities - Solve linear simultaneous equations 	Arcs & Sectors <ul style="list-style-type: none"> - Area and circumference of circles - Length of an arc and area of a sector 	RAR Teachers will use assessment data to revisit topics to improve these skills.	Prior Learning <ul style="list-style-type: none"> - Equations (Year7Spr1/ Year9CAut2/ Year10FAut1) - Ratio and Proportion (Year7Sum2/ Year8Spr2/ Year9Csum1)
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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.

KEY ASSESSMENT DATES

Year 10 will have an assessment at the end of every unit (approximately 2-3 weeks). They will have one large assessment at both February and then at the end of the year which will test all the topics that the students have covered.

SUMMER 2

Compound Measures <ul style="list-style-type: none">- Speed- Density- Pressure	Non Calculator Methods <ul style="list-style-type: none">- Recap written calculations- Recap fraction calculations- Rounding & Estimations- Financial Maths Problems	RAR <p>Teachers will use assessment data to revisit topics to improve these skills.</p>	Assessment and QLA <p>Students will receive personalised feedback and revisit personalised topics.</p>	Prior Learning <ul style="list-style-type: none">-Compound Measures (Year8Aut1)-Line Graphs (Year9CAut2)
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