



YEAR 7 CURRICULUM SUMMARY



When ?	Chapter	Key Learning Objectives Key Questions	Unit assessment
HALF TERM 2	CH 3: Probability	Chapter 3 : Probability <ul style="list-style-type: none">• to understand mutually exclusive and exhaustive outcomes• use sample spaces to calculate probabilities• use relative frequency to estimate probabilities	EOC 3 Test covering <ul style="list-style-type: none">• Mutually exclusive outcomes and exhaustive outcomes• sample space• Estimated of probability
	CH 4: Percentages	Chapter 4: Percentages <ul style="list-style-type: none">• to write one quantity as a percentage of another• to use a multiplier to calculate a percentage change• to work out a change in value as a percentage increase or decrease	EOC 4 Test covering <ul style="list-style-type: none">• Find a percentage of a number• Percentage increase and decrease• Percentage change
	CH 5: Congruent Shape	Chapter 5: Congruent shapes <ul style="list-style-type: none">• recognise congruent shapes• know the conditions for recognising congruent triangles• solve geometrical problems using congruent triangles	EOC 5 Test covering <ul style="list-style-type: none">• Congruent triangles



When ?	Chapter	Key Learning Objectives Key Questions	Unit assessment
HALF TERM 3	CH 6: Surface Area and Volume of Prisms	Chapter 6: Surface area and volume of prisms <ul style="list-style-type: none">convert metric units for area and volumecalculate the surface area of a prismcalculate the volume of a prism	EOC 6 Test covering <ul style="list-style-type: none">Surface area of prismsVolume of prisms
	CH 7: Graphs	Chapter 7: Graphs <ul style="list-style-type: none">how to work out the gradient of a linear graphhow to work out an equation of the form $y = mx + c$ from its graphhow to draw graphs of quadratic equationshow to solve a quadratic equation from a graphhow to draw graphs to illustrate real life situations	EOC 7 Test covering <ul style="list-style-type: none">Draw $y = mx + c$Gradient, mDraw a quadraticReal life graphs
	CH 8: Number	Chapter 8: Number <ul style="list-style-type: none">how to multiply and divide by negative powers of 10how to round numbers to a specific number of significant figureshow to write large numbers in standard formhow to multiply numbers in standard form.	EOC 8 Test covering <ul style="list-style-type: none">Powers of 10Significant figuresStandard formMultiplying with numbers in standard form
	CH 9: Interpreting data	Chapter 9: Interpreting Data	



When ?	Chapter	Key Learning Objectives Key Questions	Unit assessment
HALF TERM 4	CH 10: Algebra CH 11: Shape and ratio	<ul style="list-style-type: none">• how to interpret statistical diagrams• how to construct pie charts relative to total frequency• how to construct scatter graphs• how to draw and use lines of best fit• how to understand correlation <p>Chapter 10: Algebra</p> <ul style="list-style-type: none">• how to write and simplify expressions involving all four operations• how to simplify expressions that have a number of terms• how to multiply out brackets in algebraic expressions• how to identify equivalent expressions• how to write algebraic expression involving powers <p>Chapter 11: Shape and Ratio</p> <ul style="list-style-type: none">• how to use ratio to compare lengths, areas and volumes of 2D and 3D shapes• how to enlarge a shape by a fractional	<p>EOC 9 Test covering</p> <ul style="list-style-type: none">• Pie charts• Scatter graphs• correlation <p>EOC 10 Test covering</p> <ul style="list-style-type: none">• like terms• expand brackets• use powers <p>EOC 11 Test covering</p> <ul style="list-style-type: none">• ratio of length, area, volume• fractional enlargement• map scales



When ?	Chapter	Key Learning Objectives Key Questions	Unit assessment
HALF TERM 5	<p>CH 12: Fractions and decimals</p>	<p>scale factor</p> <ul style="list-style-type: none"> • how to use map scales <p>Chapter 12: Fractions and Decimals</p> <ul style="list-style-type: none"> • how to multiply fractions and integers • how to divide with fractions and integers • how to multiply large and small decimal numbers • how to divide large and small decimal numbers 	<p>EOC 12 Test covering</p> <ul style="list-style-type: none"> • add, subtract, times, divide fractions • long multiplication & division
HALF TERM 6	<p>CH 13: Proportion</p> <p>CH 14: Circles</p>	<p>Chapter 13: Proportion</p> <ul style="list-style-type: none"> • how to solve problems involving direct proportion • graphical and algebraic representations of direct proportion • how to solve problems involving inverse proportion • graphical and algebraic representations of inverse proportion <p>Chapter 14: Circles</p>	<p>EOC 13 Test covering</p> <ul style="list-style-type: none"> • direct proportion • inverse proportion <p>EOC 14 Test covering</p>



When ?	Chapter	Key Learning Objectives Key Questions	Unit assessment
	<p>CH 15: Equations and Formulae</p> <p>CH 16: Comparing data</p>	<ul style="list-style-type: none">• the names of the parts of a circle• how to calculate the circumference of a circle• how to calculate the area of a circle <p>Chapter 15: Equations and Formulae</p> <ul style="list-style-type: none">• how to solve equations involving brackets and fractions• how to solve equations where the variable occurs more than once• how to rearrange formulae <p>Chapter 16: Comparing Data</p> <ul style="list-style-type: none">• how to construct grouped frequency tables for data• how to interpret and draw grouped frequency diagrams• how to compare two distributions by using an average and the range• how to select the correct average when analysing data	<ul style="list-style-type: none">• area and circumference of a circle <p>EOC 15 Test covering</p> <ul style="list-style-type: none">• solve equations with brackets• equations with the variable on both sides• rearrange formulae <p>EOC 16 Test covering</p> <ul style="list-style-type: none">• Grouped frequency tables• Draw frequency diagrams• Comparing sets of data• Misleading charts