

OVERVIEW OF SOW ACROSS JBS FOR WEBSITE

KS3

Term	Theme Only at Northfield	Unit	Levels 3-5	Levels 4-6	Levels 5-7	Levels 6-8
Aut 1	CSI	1	Four Operations	Four Operations	Pythagoras	Pythagoras
		2	2D Shapes	2D Shapes	2D Shapes	2D Shapes
		3	Expressions and Formulae	Expressions and Formulae	Expressions and Formulae	Expressions and Formulae
Aut 2	Healthy living	4	Equations	Equations & Inequalities	Equations & Inequalities	Equations
		5	Percentages	Percentages	Percentages	Percentages
		6	Measures	Measures	Measures	Measures
		7	Present & Interpret Data 1	Present & Interpret Data 1	Present & Interpret Data 1	Interpreting Data
Spr 1	All the fun of the fair	8	Fractions	Fractions	Fractions	Fractions
		9	Probability	Probability	Probability	Probability
		10	3D Shapes	3D Shapes	3D Shapes	3D Shapes
		11	Angles & Constructions	Angles & Constructions	Angles & Constructions	Angles & Constructions
Spr 2	Yet to be decided	12	Sequences	Sequences	Sequences	Sequences
		13	Algebraic Graphs	Algebraic Graphs	Algebraic Graphs	Algebraic Graphs
Sum 1	Space the final Frontier	14	Property of Number	Property of Number	Indices & Standard form	Indices & Standard form
		15	Angles	Angles	Trigonometry	Trigonometry
		16	Transformations	Transformations	Transformations	Transformations
Sum 2	Yet to be	17	Decimals & Estimation	Decimals & Estimation	Decimals & Estimation	Decimals & Estimation

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	decided	18	Present & Interpret Data 2	Present & Interpret Data 2	Present & Interpret Data 2	Inequalities
		19	Ratio & Proportion	Ratio & Proportion	Ratio & Proportion	Ratio & Proportion

KS4

Years 9 and 10 are following a 3 year GCSE SOW

Foundation

GCSE Foundation 1-5					
Year	Term		Unit	Unit	
9	Autumn	1	1	Number 1	Number inc LCM, HCF; a number as product of prime factors
			2	Algebra 1	Algebraic Expressions inc substitution, expansion & factorisation
		2	3	Geometry & Measures 1	Angles inc parallel lines, bearings & polygons
			4	Data Handling 1	Averages & Range inc stem & leaf diagrams
		Assessment 1			
	Spring	1	5	Number 2	Decimals inc estimation, upper & lower bounds
			6	Geometry & Measures 2	2D Shapes-area & perimeter inc parts of a circle (arc, sector, segment)
		2	7	Algebra 2	Solve Equations inc quadratics
			Assessment 2		

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10	Summer	1	8	Number 3	Fractions	
			9	Geometry & Measure 3	Transformations(inc fraction sf); Symmetry; Similar shapes	
		2	10	Algebra 3	Formulae inc substitution; change of subject; distinguish equation, formula, expression , identity	
	Assessment 3					
	Autumn	1	11	Number 4	Percentages inc use of multiplier; compound interest	
			12	Data Handling 2	Presenting data inc pie chart, scatter diagram, frequency polygon, time series	
		2	13	Geometry & Measure 4	Volume & Surface Area of 3D Shapes inc sphere & pyramids	
			Assessment 1			
	Spring	1	14	Algebra 4	Sequences inc geometric; nth term of linear sequence	
			15	Number 5	Ratio & Proportion (direct and inverse)	
		2	16	Algebra 5	Algebraic Graphs- linear, quadratic, cubic and reciprocal	
			Assessment 2			
	Summer	1	17	Geometry & Measure 5	Measure inc compound; conversion of measure, graphs	
			18	Algebra 6	Inequalities- notation, on a line, solve	
		2	19	Number 6	Powers & Roots inc rules for indices & standard form	
			Assessment 3			

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11	Autumn	1	20	Geometry & Measure 6	Pythagoras Theorem and Trigonometry
			21	Data Handling 3	Probability
		2	22	Geometry & Measure 7	Constructions Loci Congruence
			Revision and Mock Examination 1		
	Spring	1 & 2	23	Algebra 7	Solve Simultaneous Equations - algebraic & graphical methods
			24	Algebra 8	Vector Geometry
		Revision and Mock Examination 2			
	Summer	1 & 2	Revision and GCSEs		

Higher

GCSE Higher 4-9					
Yr	Term		Unit	Unit Title/content	
9	Autumn	1	1	Number 1	Multiples, factors, primes; Laws of indices(inc fraction & negative; Standard form; surds
			2	Algebra 1	Expressions- substitution, expansion, factorising; Algebraic fractions
		2	3	Geometry and Measures 1	Angles inc parallel lines, polygons, bearings; Circle Theorems

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			4	Data Handling 1	Statistics inc data collection/sampling; Averages & range inc stem & leaf & grouped data; Scatter diagrams; Time series	
			Assessment 1			
		Spring	1	5	Number 2	Fractions & Decimals inc upper & lower bound calculations
				6	Geometry and Measures 2	2D Shapes- perimeter & area including parts of circle (arc, sector, segment)
		2	7	Algebra 2	Linear Equations & Graphs inc algebraic & graphical solutions of linear simultaneous equations	
			Assessment 2			
	Summer	1	8	Number 3	Percentages inc use of multiplier (exponential growth & decay); Reverse percentages	
			9	Geometry and Measures 3	Transformations inc negative and fractional scale factor enlargement	
			2	10	Algebra 3	Formulae & Sequences - substitution & transpose formulae; nth term of linear & quadratic sequences
				Assessment 3		
	10	Autumn	1	11	Geometry and Measures 4	Trigonometry 1 inc Pythagoras & 3D shapes
				12	Data Handling 2	Statistics 2 inc cumulative frequency & box plots;

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11	Spring	2			Histograms	
			13	Geometry & Measure 5	3D Shapes- Surface Area & Volume of prisms, pyramids & spheres and the frustum	
		Assessment 1				
		1	14	Algebra 4	Algebraic Graphs inc quadratic, cubic, reciprocal, exponential	
	15		Number 4	Ratio & Proportion inc direct & inverse & graphs		
	16		Geometry & Measure 6	Loci, Constructions & Congruence		
	Assessment 2					
	Summer	1	17	Algebra 5	Inequalities inc graphical solutions	
			18	Data Handling 3	Probability	
		2	19	Algebra 6	Further Factorising Quadratics inc complete the square; Manipulate & simplify algebraic fractions	
			Assessment 3			
	Autumn	1	20	Geometry & Measure 7	Trigonometry 2 inc sine/cosine rule, trig graphs, area formula	
			21	Algebra 7	Solve Quadratic Equations inc factorising, completing square, formula; Equations with fractions	
		2	22	Geometry & Measure 8	Similar Shapes inc length, area and volume	

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			23	Algebra 8	Simultaneous Equations - linear/quadratic equations; Equation of circle; Equation of tangent
			Mock 1		
	Spring	1 & 2	24	Geometry & Measures 9	Vectors in solve geometric problems
			25	Algebra 9	Transformation of Functions inc trigonometric graphs
			Mock 2		
	Summer	1 & 2	Revision and GCSEs		

Year 11

Year 11 are following a 2 year GCSE SOW

Foundation

GCSE Foundation 1-5

Year	Term		Unit	Unit
10	Autumn	1	1	Number 1 Number inc LCM, HCF; a number as product of prime factors
			2	Algebra 1 Algebraic Expressions inc substitution, expansion & factorisation

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		3	Geometry & Measures 1	Angles inc parallel lines, bearings & polygons	
		Revision and Assessment A			
		2	4	Data Handling 1	Averages & Range inc stem & leaf diagrams
			5	Number 2	Decimals inc estimation, upper & lower bounds
			6	Geometry & Measures 2	2D Shapes-area & perimeter inc parts of a circle (arc, sector, segment)
		Revision and Assessment B			
	Spring	1	7	Algebra 2	Solve Equations inc quadratics
			8	Number 3	Fractions
			9	Geometry & Measure 3	Transformations(inc fraction sf); Symmetry; Similar shapes
		Revision and Assessment C			
		2	10	Algebra 3	Formulae inc substitution; change of subject; distinguish equation, formula, expression, identity
			11	Number 4	Percentages inc use of multiplier; compound interest
	Revision and Assessment D				
	Summer	1	12	Data Handling 2	Presenting data inc pie chart, scatter diagram, frequency polygon, time series
13			Geometry & Measure 4	Volume & Surface Area of 3D Shapes inc sphere & pyramids	
14			Algebra 4	Sequences inc geometric; nth term of linear sequence	

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			Revision and Assessment E			
		2	15	Number 5	Ratio & Proportion (direct and inverse)	
			Revision and Assessment F End of Year Exam			
			16	Algebra 5	Algebraic Graphs- linear, quadratic, cubic and reciprocal	
11	Autumn	1	17	Geometry & Measure 5	Measure inc compound; conversion of measure, graphs	
			18	Algebra 6	Inequalities- notation, on a line, solve	
		Revision and Assessment G				
		2	19	Number 6	Powers & Roots inc rules for indices & standard form	
	20		Geometry & Measure 6	Pythagoras Theorem and Trigonometry		
	Revision and Assessment H					
	Spring	1 & 2	21	Data Handling 3	Probability	
			22	Geometry & Measure 7	Constructions Loci Congruence	
			23	Algebra 7	Solve Simultaneous Equations - algebraic & graphical methods	
			24	Algebra 8	Vector Geometry	
Revision and Mock Exams						
Summer	1 & 2	Revision and GCSE Exams				

Higher

GCSE Higher 4-9

Year	Term	Unit	Unit Title/content
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10	Autumn	1	1	Number 1	Multiples, factors, primes; Laws of indices(inc fraction & negative; Standard form; surds
			2	Algebra 1	Expressions- substitution, expansion, factorising; Algebraic fractions
			3	Geometry and Measures 1	Angles inc parallel lines, polygons, bearings; Circle Theorems
		Revision and Assessment A			
		2	4	Data Handling 1	Statistics inc data collection/sampling; Averages & range inc stem & leaf & grouped data; Scatter diagrams; Time series
			5	Number 2	Fractions & Decimals inc upper & lower bound calculations
	6		Geometry and Measures 2	2D Shapes- perimeter & area including parts of circle (arc, sector, segment)	
	Revision and Assessment B				
	Spring	1	7	Algebra 2	Linear Equations & Graphs inc algebraic & graphical solutions of linear simultaneous equations
			8	Number 3	Percentages inc use of multiplier (exponential growth & decay); Reverse percentages
			9	Geometry and Measures 3	Transformations inc negative and fractional scale factor enlargement
Revision and Assessment C					
2		10	Algebra 3	Formulae & Sequences - substitution & transpose formulae; nth term of linear & quadratic sequences	
	11	Geometry and Measures 4	Trigonometry 1 inc Pythagoras & 3D shapes		
Revision and Assessment D					

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11	Summer	1	12	Data Handling 2	Statistics 2 inc cumulative frequency & box plots; Histograms
			13	Geometry & Measure 5	3D Shapes- Surface Area & Volume of prisms, pyramids & spheres and the frustum
			14	Algebra 4	Algebraic Graphs inc quadratic, cubic, reciprocal, exponential
		Revision and Assessment E			
		2	15	Number 4	Ratio & Proportion inc direct & inverse & graphs
			Revision and Assessment F End of Year Exam		
			16	Geometry & Measure 6	Loci, Constructions & Congruence
	Autumn	1	17	Algebra 5	Inequalities inc graphical solutions
			18	Data Handling 3	Probability
			Revision and Assessment G		
2		19	Algebra 6	Further Factorising Quadratics inc complete the square; Manipulate & simplify algebraic fractions	
		20	Geometry & Measure 7	Trigonometry 2 inc sine/cosine rule, trig graphs, area formula	
Revision and Assessment H					
Spring	1 & 2	21	Algebra 7	Solve Quadratic Equations inc factorising, completing square, formula; Equations with fractions	
		22	Geometry & Measure 8	Similar Shapes inc length, area and volume	
		23	Algebra 8	Simultaneous Equations -linear/quadratic equations; Equation of circle; Equation of tangent	
		24	Geometry & Measures 9	Vectors in solve geometric problems	

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		25	Algebra 9	Transformation of Functions inc trigonometric graphs
			Revision and Mock Exams	
Summer	1 & 2		Revision and GCSE Exams	