MATHS GRADE 8/9 – Curriculum Plan

	7 Au	7 Sp	7 Su	8 pt1	8 pt2	8 pt3	9 Au	9 Sp	9 Su	10 Au	10 Sp	10 Su	11 Au	11 Sp	11 Su
Stage	Year 7 Introduction Stage C	Stage C	Stage D	Stage D & E	Stage E	Stage F	Stage F & G	Stage G	Stage H	Stage H	Stage I	Stage I	Stage J	Stage J & Revision	Revision
Knowledge/Skills	7.N1 Place value & rounding 7.N2 Directed number 7.N3 Addition & Subtraction 7.N4 Multiplication & division 7.N5 Factors and prime numbers 7.G1 Area and perimeter 7.R1 Fractions 7.R2 Direct proportion C.N1 Rounding & estimating C.N2 Fractions C.N3 Powers & roots C.N4 Directed numbers C.N5 Order of operations	C.A1 Substitution C.A2 Equations C.A3 Expressions C.A4 Vectors C.A5 Straight lines C.G1 Angles C.G2 Area & perimeter C.G3 Volume C.G4 2D & 3D Shapes C.G5 Transformations C.S1 Averages C.S2 Representing data C.S3 Probability C.R1 Fractions & percentages C.R2 Metric units C.R3 Ratios	D.N1 Fractions D.N2 Decimals D.N3 Fractions, decimals & percentages D.A1 Terminology D.A2 Brackets D.A3 Equations D.A4 Substitution D.A5 Linear graphs D.G1 Pythagoras D.G2 Circles D.G3 Area D.G4 Volume & surface area D.G5 Transformations D.G6 Scales drawings	D.S1 Averages D.S2 Representing data D.S3 Probability D.R1 Ratios D.R2 Direct proportion E.N1 Fractions E.N2 Decimals E.N3 HCF & LCM E.N4 Powers & Roots E.A1 Equations E.A2 Indices E.A3 Brackets E.A4 Sequences	E.G1 Angles E.G2 Plans and elevations E.G3 Constructions E.G4 Transformations E.S1 Averages E.S2 Representing Data E.R1 Imperial units E.R2 Currency E.R3 Conversion graphs E.R4 Compound measure E.R5 Distance-time graphs	F.N1 Laws of indices F.N2 Estimation F.N3 Prime factors F.N4 Bounds F.A1 Formulae F.A2 Equations F.A4 Inequalities F.A5 Quadratics F.G1 Angles F.G2 Circles F.G3 Volume & surface area F.G4 Midpoints F.G5 Bearings F.G6 Loci	F.S1 Representing data F.S2 Probability F.R1 Percentages F.R2 Ratio and proportion G.N1 Fractions G.N2 Standard form G.A1 Quadratics G.A2 Simultaneous equations G.A3 Cubics & reciprocals G.A4 Linear graphs	G.G1 Transformations G.G2 Trigonometry G.G3 Similar shapes G.S1 Probability G.R1 Percentages G.R2 Direct and inverse proportion	H.N1 Laws of indices H.N2 Surds H.N3 Bounds H.N4 Fractions H.A1 Formulae H.A2 Brackets H.A3 Functions H.A4 Inequalities H.A5 Coordinate geometry H.A6 Quadratic sequences	H.G1 Circles H.G2 Volume & surface area H.S1 Representing data H.S2 Probability H.R1 Ratios H.R2 Direct and inverse proportion H.R3 Similar shapes	I.N1 Surds I.N2 Indices I.A1 Algebraic fractions I.A2 Quadratics I.A3 Geometric sequences I.A4 Composite functions I.A5 Coordinate geometry I.A6 Exponentials	I.G1 Circle theorems I.G2 3D Pythagoras and trigonometry I.G3 Trigonometry I.S1 Representing data I.S2 Probability I.S3 Sampling I.R1Ratios I.R2 Iteration I.R3 Capture-recapture	J.A1 Algebraic fractions J.A2 Quadratics J.A3 Quadratic simultaneous equations J.A4 Coordinate geometry J.A5 Quadratic inequalities J.A6 Proof J.A7 Transformations I.A8 Exponentials J.G1 Congruence J.G2 Trigonometry J.G3 Vectors	J.S1 Probability J.R1 Velocity-time graphs J.R2 Growth and decay J.R3 Rates of change J.R4 Ratio	
Assessment	Baseline Assessment & Exit cards Numeracy	Exit cards & Stage C Assessment Numeracy	Exit cards Numeracy Holistic end of year exam	Exit cards & Stage D Assessment Numeracy Holistic paper	Exit cards & Stage E Assessment Numeracy Holistic paper	Exit cards Numeracy Holistic end of year exam	Exit cards & Stage F Assessment Numeracy Holistic paper	Exit cards & Stage G Assessment Numeracy Holistic paper	Exit cards Numeracy Holistic end of year exam	Exit cards & Stage H Assessment Numeracy GCSE Paper 1 (Higher)	Exit cards Numeracy GCSE Paper 2 (Higher)	Exit cards & Stage I Assessment Numeracy GCSE Paper 3 (Higher)	Exit cards Numeracy Start of Yr 11 GCSE Paper (Higher)	Exit cards & Stage J Assessment January Mock GCSE Papers (Higher) Numeracy March Mock GCSE Papers (Higher)	
Mid-point Progress Path	Knowledge - Learn skills and procedures which underpin stage system. Broad curriculum which allows a brief introduction to those topics seen in subsequent years. Knowledge - Extension material in place for high ability sets to expand concepts further.			Knowledge – recall important information Comprehend – Describe and condense the information taught at this stage. Apply – Use learning in different situations			Knowledge – recall important information Comprehend – Describe and condense the information taught at this stage. Apply – Use learning in different situations			Knowledge – recall important information Comprehend – Describe and condense the information taught at this stage. Apply – Use learning in different situations Analyse – Identify effective and efficient methods			Knowledge – recall important information Comprehend – Describe and condense the information taught at this stage. Apply – Use learning in different situations Analyse – Identify effective and efficient methods Synthesise – Compile links between topics/exam questions		