



Middlewich High School Maths Department – 5 Year Curriculum Intent.

Maths Curriculum.	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 7	<p>Introduction to Algebra</p> <p>Four rules with whole numbers and decimals</p> <p>Metric Units</p> <p>Using Negative Numbers</p> <p>Order of Operations</p> <p>2D Shapes</p> <p>Understanding Ratio and Fractions</p> <p>Representing Categorical Data</p>	<p>Rounding</p> <p>Using a Calculator</p> <p>Form & Solve Linear Equations</p> <p>Angle facts</p> <p>Revision, Assessment and Feedback</p>	<p>Vertical & Horizontal Lines</p> <p>Changing the subject</p> <p>3D Shapes</p> <p>Factors, Multiples, Primes</p> <p>Adding & subtracting fractions</p>	<p>Circles</p> <p>Constructions</p> <p>Generate sequences</p> <p>Reflection and Rotation</p> <p>Theoretical Probability</p>	<p>FDP Equivalences</p> <p>Proportion & Scaling</p> <p>Percentages</p> <p>Averages</p> <p>Revision, Assessment and Feedback</p>	<p>Representing inequalities on a number line</p> <p>Plot Graphs of Linear Functions</p> <p>Time & Timetables</p> <p>Time Series Charts</p> <p>Real life graphs</p>
Year 8	<p>Use of a Calculator</p> <p>Order of Operations</p> <p>Using Negative Numbers</p> <p>Substitution</p> <p>Circles</p> <p>Area of Compound Shapes</p> <p>Finding and Using the n^{th} Term</p> <p>Representing Data</p> <p>Equation of a Straight Line</p> <p>Rounding and Estimation</p>	<p>Percentages and Finance</p> <p>Expanding Single Brackets</p> <p>Factorising Expressions</p> <p>Ratio</p> <p>Angles in Parallel Lines</p> <p>Revision, Assessment and Feedback</p>	<p>Averages</p> <p>Two Way Tables and Venn Diagrams</p> <p>Constructions and Loci</p> <p>Translation and Enlargements</p> <p>Solving Equations</p> <p>Mixed Numbers Ordering FDP</p>	<p>Calculating with Fractions</p> <p>3D Shapes</p> <p>Changing the Subject</p> <p>Revision, Assessment and Feedback</p>	<p>Speed, Distance, Time</p> <p>Solve Linear Inequalities</p> <p>HCF & LCM by listing</p> <p>Probability</p> <p>Proportion</p>	<p>Indices</p> <p>Multiplying Decimals</p> <p>Plotting Quadratics</p> <p>Converting between Metric Units for Area</p> <p>Bearings and Scale Drawing</p> <p>Direct Proportion Graphs</p>

Year 9	Calculating with Fractions Fraction, Decimal and Percentage Expanding brackets Pythagoras Probability of Combined Events Percentage Change Substitution Transformations	Dividing into Ratio Angles & Polygons Rules of Indices Solve equations involving unknowns on both sides Standard form Similarity	Scatter Graphs Venn Diagrams Metric Units for Volume Averages Revision, Assessment and Feedback	Accuracy Direct proportion Product of Primes Algebra Recap	3D Shapes Volume & Surface Area Relative Frequency Speed and Rates of Change Simultaneous Equations Non-Linear graphs	Arcs and Sectors Solve & Represent Inequalities Prime Factor Form Proportion Graphs Sequences Revision, Assessment and Feedback
Year 10 F	Number skills Transformations Algebra skills Operations with Fractions Relative Frequency & Frequency Trees Fractions, Decimals and Percentages	Sequences Angle facts in Polygons & Parallel Lines Percentages & Interest Linear Graphs Data Representation & Statistical Graphs Averages & Range	Pythagoras Trigonometry Area and Perimeter Solving Linear Inequalities Expand and Factorise Scatter Diagrams Time Series Graphs	Conversion & Graphs Speed, Distance, time Graphs & Timetables Rounding, Significant Figures & Estimation Arcs and Sectors Index Laws	Bearings & Scale Drawings Revision, Assessment and Feedback	Best Buys & Ratio Surface Area, Volume & Density Venn Diagrams Tree Diagrams Standard Form
Year 10 H	Averages Percentages Ratio Algebra Skills Surds Right angled Triangles	Equations of Lines Quadratics Transformations Vectors Probability Congruence & Similarity	Rates of change Equation of Circles Simultaneous Equations (with Quadratics) Sine and Cosine Rule Functions	Graphs and Transformations Circle Theorems Probability Diagrams Product of Primes Recurring Decimals	Algebraic Fractions Revision, Assessment and Feedback	Sequences Surface Area, Volume & Density

Year 11 F	Algebra Skills Error Bounds Simultaneous Equations Revision, Assessment and Feedback	Non-Linear Graphs Congruent & Similar Shapes Factorising Quadratics Bearings & Scale Drawings Ratio and Proportion Vectors	Construction & Loci Transformations Misleading Graphs, Sampling & Questionnaires Equations for Proportionality Revision, Assessment and Feedback	Right Angle Triangles Revision	Revision	
Year 11 H	Direct and Inverse Proportion Trig graphs Iteration Error Bounds Angle facts in Polygons & Parallel Lines	Inequalities on graphs Construction & Loci Algebraic Proof Recap Trig Recap Simultaneous Equations	Recap Surds Recap Vectors Recap Geometry Recap Quadratics Revision, Assessment and Feedback	Revision	Revision	

KEY:	Number	Algebra	Ratio, Proportion & Rates of Change	Geometry & Measures	Statistics & Probability
------	--------	---------	-------------------------------------	---------------------	--------------------------