

# Atlantic Academy

## Subject Overview

### Subject: Maths

	Unit 1		Unit 2		Unit 3/4	
	Autumn 1 - Belonging	Autumn 2 - Heroes	Spring 1 - Spirit of Adventure/ Sense of accomplishment	Spring 2 - Curiosity & Creativity	Summer 1 - Leadership & Responsibility	Summer 2 - Fun & Excitement/ Confidence to take action
Reception	Matching and comparing Exploring patterns Subitising in different arrangements Compare objects	Shapes and position Making different arrangements of 5 and talking about what they can see Develop counting skills	Explore mass, capacity, length and height Odd and even Play games games with number order Begin to identify missing parts for numbers within 5	More complex patterns Shapes Explore 6 and 7 as 5 and a bit Equal and unequal groups Join in verbal counting beyond 20	Explore and create pattern rules Exploring more shape Explain and replicate shapes and patterns	Describe positions Create maps explore a range of representations Compare quantities Identify when sets can be subsidised and when counting is necessary Develop conceptual subitising
Year 1	Place Value (within 10) Continue to subitise Explore the structure of even numbers	Addition and subtraction (within 10) Identifying one more or one less	Place Value (within 20) Addition and subtraction (within 20) Composition of numbers	Place Value within 50 Length and height Mass and volume Identifying two more or two less and relating to odd and even numbers	Multiplication and division Fractions Position and direction Composition of numbers and visual representations on a number line.	Place value within 100 Money Time Exploring the structures of addition and subtraction
Year 2	Place Value Consolidation of number bonds Comparing numbers	Addition and subtraction Shape Reviewing structure of od and even numbers Consolidation of linear number system	Money Multiplication and division Doubles and near doubles Use number bonds to calculate	Length and height Mass, capacity and temperature Add and subtract across 10-boundary	Fractions Time Exploring strategies to subtract across 10-boundary Review doubles and near doubles	Statistics Position and direction Consolidate previous learning

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Year 3	Place Value Addition and subtraction	Multiplication and division	Multiplication and division Length and perimeter	Fractions Mass and capacity	Fractions Money	Time Shape Statistics
Year 4	Place Value Addition and subtraction	Area Multiplication and division	Multiplication and division Length and perimeter	Fractions Decimals	Decimals Money Time	Shape Statistics Position and direction
Year 5	Place Value Addition and subtraction	Multiplication and division Fraction	Multiplication and division Fraction	Decimals and percentages Perimeter and area Statistics	Shape Position and direction	Decimals Negative Numbers Converting units Volume
Year 6	Place Value Addition and subtraction Multiplication and division	Fractions Converting units	Ratio Algebra Decimals	Fractions, decimals and percentages Area, perimeter and volume Statistics	Shape Position and direction	Consolidation
	<b>Unit 1</b>		<b>Unit 2</b>		<b>Unit 3/4</b>	
Year 7	Expressions, Functions and Formulae Sequences and Graphs Number Skills		Fractions and Percentages Decimals and Measures Analysing and Displaying Data		Ratio and Proportion Lines and Angles Probability  Transformations	
Year 8	Number - calculation methods Area and Volume Statistics, Charts and Graphs		Expressions and Equations Real-life graphs Decimals and Ratio		Lines and Angles Calculating with fractions Straight line graphs Percentages, Decimals and Fractions	

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Year 9	Indices and Standard Form Expressions and Formula Dealing with Data	Multiplicative Reasoning Constructions Sequences, Equations and Inequalities	Circles and Pythagoras' Theorem Graphs Probability Comparing Shapes Trigonometry Preparing for GCSE
Year 10 Foundation	Number Skills Algebraic Notation and Manipulation Graphs, Tables and Charts Fractions and Percentages	Equations, Inequalities and Sequences Angles Averages and Range Perimeter, Area and Volume	Graphs Transformations Ratio and Proportion  Probability
Year 10 Higher	Number Skills Algebraic Notation and Manipulation Interpreting and Displaying Data Fractions, Ratio and Percentages	Angles and Trigonometry Graphs Area and Volume	Transformations and Constructions Equations and Inequalities Probability  Multiplicative Reasoning
Year 11 Foundation	Right Angled Triangles Multiplicative Reasoning Constructions, Loci and Bearings Quadratic Equations and Graphs	Perimeter, Area and Volume Fractions, Indices and Standard Form Congruence and Similarity	Vectors More Algebra Revision
Year 11 Higher	Similarity and Congruence More Trigonometry Statistics Equations and Graphs	Circle Theorem More Algebra Vectors and Geometric Proof	Proportion and Graphs Revision