



Airedale
Infant Academy

Year 2 Maths Autumn Term Overview



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Mathematical strand:	Number	Number	Geometry
Topic	Place Value	Addition and Subtraction	Shape
Big Question	How does knowing about place value help us guess numbers, and how can guessing numbers help us in real life?	How can adding and taking away numbers help us in everyday life?	Do you think we can see shapes all around us?
Key knowledge and skills:	The small steps of key knowledge and skills in this unit are: • Numbers to 20 • Count objects to 100 by making 10s • Recognise tens and ones • Use a place value chart • Partition numbers to 100 • Write numbers to 100 in words • Flexibly partition numbers to 100 • Write numbers to 100 in expanded form • 10s on the number line to 100 • 10s and 1s on the number line to 100 • Estimate numbers on a number line • Compare objects • Compare numbers • Order objects and numbers • Count in 2s, 5s and 10s • Count in 3s	The small steps of key knowledge and skills in this unit are: • Bonds to 10 • Fact families - addition and subtraction bonds within 20 • Related facts • Bonds to 100 (tens) • Add and subtract 1s • Add by making 10 • Add three 1-digit numbers • Add to the next 10 • Add across a 10 • Subtract across 10 • Subtract from a 10 • Subtract a 1-digit number from a 2-digit number (across a 10) • 10 more, 10 less • Add and subtract 10s • Add two 2-digit numbers (not across a 10) • Add two 2-digit numbers (across a 10) • Subtract two 2-digit numbers (not across a 10) • Subtract two 2-digit numbers (across a 10) • Mixed addition and subtraction • Compare number sentences • Missing number problems	The small steps of key knowledge and skills in this unit are: • Recognise 2-D and 3-D shapes • Count sides on 2-D shapes • Count vertices on 2-D shapes • Draw 2-D shapes • Lines of symmetry on shapes • Use lines of symmetry to complete shapes • Sort 2-D shapes • Count faces on 3-D shapes • Count edges on 3-D shapes • Count vertices on 3-D shapes • Sort 3-D shapes • Make patterns with 2-D and 3-D shapes
Key vocabulary	Digit, ones, tens, value	Sum, difference, total, equal	2D, 2D, edge, corner
What I will know by the end:	I will be able to apply my new skills and knowledge to a range of situations and representation.		



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Year 2 Maths Spring Term Overview



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Mathematical strand:	Measurement	Number	Measurement	Measurement
Topic	Money	Multiplication and division	Length and height	Mass, capacity and temperature
Big Question	What does one hundred pounds look like? Can you think of the different coins and notes we use?	What makes things grow bigger or more, like when we multiply numbers?	Why do we use different units to measure how long or tall something is?	When might you need to weigh something or measure how much liquid is in a container?
Key knowledge and skills:	The small steps of key knowledge and skills in this unit are: - Count money – pence - Count money – pounds (notes and coins) - Count money – pounds and pence - Choose notes and coins - Make the same amount - Compare amounts of money - Calculate with money - Make a pound - Find change - Two-step problems	The small steps of key knowledge and skills in this unit are: - Recognise equal groups - Make equal groups - Add equal groups - Introduce the multiplication symbol - Multiplication sentences - Use arrays - Make equal groups – grouping - Make equal groups – sharing - The 2 times-table - Divide by 2 - Doubling and halving - Odd and even numbers - The 10 times-table - Divide by 10 - The 5 times-table - Divide by 5 - The 5 and 10 times-tables	The small steps of key knowledge and skills in this unit are: - Measure in centimetres - Measure in metres - Compare lengths and heights - Order lengths and heights - Four operations with lengths and heights	The small steps of key knowledge and skills in this unit are: - Compare mass - Measure in grams - Measure in kilograms - Four operations with mass - Compare volume and capacity - Measure in millilitres - Measure in litres - Four operations with volume and capacity - Temperature
Key vocabulary	Pound, pence, coin, change	Multiply, share, group, lots of	Centimetre (cm), millimetre (mm), compare, measure	Litres (l), millilitres (ml), capacity, degrees
What I will know by the end:	I will be able to apply my new skills and knowledge to a range of situations and representation.			



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Year 2 Maths Summer Term Overview



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Mathematical strand:	Number	Measurement	Statistics	Geometry
Topic	Fractions	Time	Statistics	Position and direction
Big Question	Why and when might you need to know what half, a quarter, and a third look like?	Even though we have digital clocks, why do we still need to know how to read an analogue clock?	When is it helpful to count things using a tally?	When might you need to give someone directions to get somewhere?
Key knowledge and skills:	The small steps of key knowledge and skills in this unit are: • Introduction to parts and whole • Equal and unequal parts • Recognise a half • Find a half • Recognise a quarter • Find a quarter • Recognise a third • Find a third • Find the whole • Unit fractions • Non-unit fractions • Recognise the equivalence of a half and two-quarters • Recognise three-quarters • Find three-quarters • Count in fractions up to a whole	The small steps of key knowledge and skills in this unit are: • O'clock and half past • Quarter past and quarter to • Tell the time past the hour • Tell the time to the hour • Tell the time to 5 minutes • Minutes in an hour • Hours in a day	The small steps of key knowledge and skills in this unit are: • Make tally charts • Tables • Block diagrams • Draw pictograms (1-1) • Interpret pictograms (1-1) • Draw pictograms (2, 5 and 10) • Interpret pictograms (2, 5 and 10)	The small steps of key knowledge and skills in this unit are: • Language of position • Describe movement • Describe turns • Describe movement and turns • Shape patterns with turns
Key vocabulary	Equal parts, half, quarter, whole	O'clock, hour, minute, clock	Total, most, least, count	Position, direction, left, right
What I will know by the end:	I will be able to apply my new skills and knowledge to a range of situations and representation.			