

# Aldwyn Primary School - Maths Overview



## Nursery

### Nursery MTP Overview

[www.masterthecurriculum.co.uk](http://www.masterthecurriculum.co.uk)

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn Starters: Number songs	Colours • Red • Blue • Yellow	Colours • Green • Purple • Mix of colours	Match • Buttons and colours • Matching towers • Matching shoes	Match • Match number shapes • Match shapes • Pattern handprints – big and small	Sort • Colour • Size • Shape	Sort • What do you notice? • Guess the rule • Guess the rule	Number 1 • Subitising • Counting • Numeral	<b>Number 2</b> Subitising- dice pattern Subitising- random pattern Subitising – different sizes	<b>Number 2</b> • Counting • Numeral • Numeral	<b>Pattern</b> • Extend AB Colour patterns • Extend AB Outdoor Patterns • AB Movement Patterns	• Fix my Pattern • Extend ABC Colour patterns • Extend ABC Outdoor Patterns	Consolidation Activities - Winter activity week
Spring Starters: Number songs	Number 3 Subitising Subitising Subitising	Number 3 3 Little pigs 1:1 counting Numerals/Tria ngles	Number 4 1:1 counting Numerals Squares/recta ngles	Number 4 Composition of 4 Composition of 4 Composition of 4	Number 5 1:1 counting Numerals Pentagon	Number 5 Composition of 5 Composition of 5 Composition of 5	Consolidate 1 - 5	Number 6 Introduce 10 frame	Height & Length • Tall and short • Long and short • Tall/long and short	Mass Relate to books 3 little pigs goldilocks	Capacity	Consolidation
Summer Starters – subitising and revision	More than/fewer than	One more	One less	Shape – 2D Revisit pattern from Autumn	Shape – 3D Revisit pattern from Autumn	Consolidation: More than/fewer one more and one less	Number composition 1 – 5 Revision	Night and Day  Order events in their day at nursery  Order events in their day at nursery  What happens day/night	Positional Language	Positional Language	Consolidation / Activity weeks SUMMER	Consolidation / Activity weeks



## Reception

Overview														White Rose Maths
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
Autumn	Getting to Know You			Just Like Me!			It's Me 1 2 3!			Light and Dark			Consolidation	
Spring	Alive in 5!			Growing 6, 7, 8			Building 9 and 10			Consolidation				
Summer	To 20 and Beyond			First Then Now			Find My Pattern			On The Move				

### Autumn

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Getting to Know You			Just Like Me!			It's Me 1 2 3!			Light and Dark		
Opportunities for settling in, introducing the areas of provision and getting to know the children.			Match and Sort Compare Amounts			Representing 1, 2 & 3 Comparing 1, 2 & 3 Composition of 1, 2 & 3			Representing Numbers to 5. One More and Less.		
Key times of day, class routines. Exploring the continuous provision inside and out. Where do things belong? Positional language.			Compare Size, Mass & Capacity Exploring Pattern			Circles and Triangles Positional Language			Shapes with 4 Sides. Time		

### Spring

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9
Alive in 5!			Growing 6, 7, 8			Building 9 & 10		
Introducing zero Comparing numbers to 5 Composition of 4 & 5			6, 7 & 8 Combining 2 amounts Making pairs			Counting to 9 & 10 Comparing numbers to 10 Bonds to 10		
Compare Mass (2) Compare Capacity (2)			Length & Height Time			3d-shapes Patterns		

### Summer

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
To 20 and Beyond			First Then Now			Find my Pattern			On the Move		
Building Numbers Beyond 10 Counting Patterns Beyond 10			Adding More Taking Away			Doubling Sharing & Grouping Even & Odd			Deepening Understanding Patterns and Relationships		
Spatial Reasoning (1) Match, Rotate, Manipulate			Spatial Reasoning (2) Compose and Decompose			Spatial Reasoning (3) Visualise and Build			Spatial Reasoning (4) Mapping		

# Aldwyn Primary School - Maths Overview



## Year 1

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn term	Number <b>Place value</b> (within 10)  VIEW					Number <b>Addition and subtraction</b> (within 10)  VIEW					Geometry Shape VIEW	Consolidation
Spring term	Number <b>Place value</b> (within 20)  VIEW	Number <b>Addition and subtraction</b> (within 20)  VIEW			Number <b>Place value</b> (within 50)  VIEW		Measurement <b>Length and height</b>  VIEW		Measurement <b>Mass and volume</b>  VIEW			
Summer term	Number <b>Multiplication and division</b>  VIEW			Number <b>Fractions</b>  VIEW		Geometry Position and direction VIEW	Number <b>Place value</b> (within 100)  VIEW		Measurement Money VIEW	Measurement <b>Time</b>  VIEW		Consolidation

# Aldwyn Primary School - Maths Overview



<b>Autumn</b>	<b>Spring</b>	<b>Summer (published March 2023)</b>
<p><b>Block 1 – Place value (within 10)</b>                      Step 1 Sort objects                      Step 2 Count objects                      Step 3 Count objects from a larger group                      Step 4 Represent objects Step 5 Recognise numbers as words                      Step 6 Count on from any number                      Step 7 1 more                      Step 8 Count backwards within 10                      Step 9 1 less                      Step 10 Compare groups by matching                      Step 11 Fewer, more, same                      Step 12 Less than, greater than, equal to                      Step 13 Compare numbers                      Step 14 Order objects and numbers                      Step 15 The number line</p> <p><b>Block 2 – Addition &amp; subtraction (within 10)</b>                      Step 1 Introduce parts and wholes                      Step 2 Part-whole model                      Step 3 Write number sentences                      Step 4 Fact families – addition facts                      Step 5 Number bonds within 10                      Step 6 Systematic number bonds within 10                      Step 7 Number bonds to 10                      Step 8 Addition – add together                      Step 9 Addition – add more                      Step 10 Addition problems                      Step 11 Find a part                      Step 12 Subtraction – find a part                      Step 13 Fact families – the eight facts                      Step 14 Subtraction – take away/cross out (How many left?)</p>	<p><b>Block 1 – Place value (within 20)</b>                      Step 1 Count within 20                      Step 2 Understand 10                      Step 3 Understand 11, 12 and 13                      Step 4 Understand 14, 15 and 16                      Step 5 Understand 17, 18 and 19                      Step 6 Understand 20                      Step 7 1 more and 1 less                      Step 8 The number line to 20                      Step 9 Use a number line to 20                      Step 10 Estimate on a number line to 20                      Step 11 Compare numbers to 20                      Step 12 Order numbers to 20</p> <p><b>Block 2 – Addition &amp; subtraction (within 20)</b>                      Step 1 Add by counting on within 20                      Step 2 Add ones using number bonds                      Step 3 Find and make number bonds to 20                      Step 4 Doubles                      Step 5 Near doubles                      Step 6 Subtract ones using number bonds                      Step 7 Subtraction – counting back                      Step 8 Subtraction – finding the difference                      Step 9 Related facts                      Step 10 Missing number problems</p> <p><b>Block 3 – Place value (within 50)</b>                      Step 1 Count from 20 to 50                      Step 2 20, 30, 40 and 50                      Step 3 Count by making groups of tens</p>	<p><b>Block 1 – Multiplication &amp; division</b></p> <p><b>Block 2 – Fractions</b></p> <p><b>Block 3 – Geometry (position &amp; direction)</b></p> <p><b>Block 4 – Place value (within 100)</b></p> <p><b>Block 6 – Measurement (money)</b></p> <p><b>Block 7 – Measurement (time)</b></p>

# Aldwyn Primary School - Maths Overview



<p>Step 15 Take away (How many left?) Step 16 Subtraction on a number line Step 17 Add or subtract 1 or 2 <b>Block 3 – Geometry (shape)</b> Step 1 Recognise and name 3-D shapes Step 2 Sort 3-D shapes Step 3 Recognise and name 2-D shapes Step 4 Sort 2-D shapes Step 5 Patterns with 2-D and 3-D shapes</p>	<p>Step 4 Groups of tens and ones Step 5 Partition into tens and ones Step 6 The number line to 50 Step 7 Estimate on a number line to 50 Step 8 1 more, 1 less <b>Block 4 – Length &amp; height</b> Step 1 Compare lengths and heights Step 2 Measure length using objects Step 3 Measure length in centimetres <b>Block 5 – Mass &amp; volume</b> Step 1 Heavier and lighter Step 2 Measure mass Step 3 Compare mass Step 4 Full and empty Step 5 Compare volume Step 6 Measure capacity Step 7 Compare capacity</p>	
---	--	--

# Aldwyn Primary School - Maths Overview



## Year 2

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn term	Number <b>Place value</b> VIEW				Number <b>Addition and subtraction</b> VIEW				Geometry <b>Shape</b> VIEW			
Spring term	Measurement <b>Money</b> VIEW		Number <b>Multiplication and division</b> VIEW				Measurement <b>Length and height</b> VIEW		Measurement <b>Mass, capacity and temperature</b> VIEW			
Summer term	Number <b>Fractions</b> VIEW			Measurement <b>Time</b> VIEW			<b>Statistics</b> VIEW		Geometry <b>Position and direction</b> VIEW		Consolidation	

# Aldwyn Primary School - Maths Overview



<b>Autumn</b>	<b>Spring</b>	<b>Summer (published March 2023)</b>
<p><b>Block 1 – Place value</b>                      Step 1 Numbers to 20                      Step 2 Count objects to 100 by making 10s                      Step 3 Recognise tens and ones                      Step 4 Use a place value chart                      Step 5 Partition numbers to 100                      Step 6 Write numbers to 100 in words                      Step 7 Flexibly partition numbers to 100                      Step 8 Write numbers to 100 in expanded form                      Step 9 10s on the number line to 100                      Step 10 10s and 1s on the number line to 100                      Step 11 Estimate numbers on a number line                      Step 12 Compare objects                      Step 13 Compare numbers                      Step 14 Order objects and numbers                      Step 15 Count in 2s, 5s and 10s                      Step 16 Count in 3s</p> <p><b>Block 2 – Addition &amp; subtraction</b>                      Step 1 Bonds to 10                      Step 2 Fact families - addition and subtraction bonds within 20                      Step 3 Related facts                      Step 4 Bonds to 100 (tens)                      Step 5 Add and subtract 1s                      Step 6 Add by making 10                      Step 7 Add three 1-digit numbers                      Step 8 Add to the next 1</p>	<p><b>Block 1 – Measurement (money)</b>                      Step 1 Count money – pence                      Step 2 Count money – pounds (notes and coins)                      Step 3 Count money – pounds and pence                      Step 4 Choose notes and coins                      Step 5 Make the same amount                      Step 6 Compare amounts of money                      Step 7 Calculate with money                      Step 8 Make a pound                      Step 9 Find change                      Step 10 Two-step problems</p> <p><b>Block 2 – Multiplication &amp; division</b>                      Step 1 Recognise equal groups                      Step 2 Make equal groups                      Step 3 Add equal groups                      Step 4 Introduce the multiplication symbol                      Step 5 Multiplication sentences                      Step 6 Use arrays                      Step 7 Make equal groups – grouping                      Step 8 Make equal groups – sharing                      Step 9 The 2 times-table                      Step 10 Divide by 2                      Step 11 Doubling and halving                      Step 12 Odd and even numbers                      Step 13 The 10 times-table                      Step 14 Divide 0                      Step 15 The 5 times-table                      Step 16 Divide by 5</p>	<p><b>Block 1 – Fractions</b></p> <p><b>Block 2 – Measurement (time)</b></p> <p><b>Block 3 – Statistics</b></p> <p><b>Block 4 – Geometry (position &amp; direction)</b></p>

# Aldwyn Primary School - Maths Overview



<p>Step 9 Add across a 10                  Step 10 Subtract across 10                  Step 11 Subtract from a 10                  Step 12 Subtract a 1-digit number from a 2-digit number (across a 10)                  Step 13 10 more, 10 less                  Step 14 Add and subtract                  Step 15 Add two 2-digit numbers (not across a 10) Step 16 Add two 2-digit numbers (across a 10)                  Step 17 Subtract two 2-digit numbers (not across a 10)                  Step 18 Subtract two 2-digit numbers (across a 10)                  Step 19 Mixed addition and subtraction                  Step 20 Compare number sentences                  Step 21 Missing number problems</p> <p><b>Block 3 - Shape</b></p> <p>Step 1 Recognise 2-D and 3-D shapes                  Step 2 Count sides on 2-D shapes                  Step 3 Count vertices on 2-D shapes                  Step 4 Draw 2-D shapes                  Step 5 Lines of symmetry on shapes                  Step 6 Use lines of symmetry to complete shapes                  Step 7 Sort 2-D shapes                  Step 8 Count faces on 3-D shapes                  Step 9 Count edges on 3-D shapes                  Step 10 Count vertices on 3-D shapes                  Step 11 Sort 3-D shapes                  Step 12 Make patterns with 2-D and 3-D shapes</p>	<p>Step 17 The 5 and 10 times-tables</p> <p><b>Block 3 – Measurement (length &amp; height)</b></p> <p>Step 1 Measure in centimetres                  Step 2 Measure in metres                  Step 3 Compare lengths and heights                  Step 4 Order lengths and heights                  Step 5 Four operations with lengths and heights</p> <p><b>Block 4 – Measurement (mass, capacity &amp; temperature)</b></p> <p>Step 1 Compare mass                  Step 2 Measure in grams                  Step 3 Measure in kilograms                  Step 4 Four operations with mass                  Step 5 Compare volume and capacity                  Step 6 Measure in millilitres                  Step 7 Measure in litres                  Step 8 Four operations with volume and capacity</p>	
---	--	--



# Aldwyn Primary School - Maths Overview



## Year 3

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn term	Number <b>Place value</b> VIEW		Number <b>Addition and subtraction</b> VIEW				Number <b>Multiplication and division A</b> VIEW					
Spring term	Number <b>Multiplication and division B</b> VIEW		Measurement <b>Length and perimeter</b> VIEW		Number <b>Fractions A</b> VIEW		Measurement <b>Mass and capacity</b> VIEW					
Summer term	Number <b>Fractions B</b> VIEW	Measurement <b>Money</b> VIEW	Measurement <b>Time</b> VIEW			Geometry <b>Shape</b> VIEW	<b>Statistics</b> VIEW		Consolidation			

# Aldwyn Primary School - Maths Overview



<b>Autumn</b>	<b>Spring</b>	<b>Summer (published March 2023)</b>
<p><b>Block 1 – Place value</b></p> <p>Step 1 Represent numbers to 100</p> <p>Step 2 Partition numbers to 100</p> <p>Step 3 Number line to 100</p> <p>Step 4 Hundreds</p> <p>Step 5 Represent numbers to 1,000</p> <p>Step 6 Partition numbers to 1,000</p> <p>Step 7 Flexible partitioning of numbers to 1,000</p> <p>Step 8 Hundreds, tens and ones</p> <p>Step 9 Find 1, 10 or 100 more or less</p> <p>Step 10 Number line to 1,000</p> <p>Step 11 Estimate on a number line to 1,000</p> <p>Step 12 Compare numbers to 1,000</p> <p>Step 13 Order numbers to 1,000</p> <p>Step 14 Count in 50s</p> <p><b>Block 2 – Addition &amp; subtraction</b></p> <p>Step 1 Apply number bonds within 10</p> <p>Step 2 Add and subtract 1s</p> <p>Step 3 Add and subtract 10s</p> <p>Step 4 Add and subtract 100s</p> <p>Step 5 Spot the pattern</p> <p>Step 6 Add 1s across a 10</p> <p>Step 7 Add 10s across a 100</p> <p>Step 8 Subtract 1s across a 10</p> <p>Step 9 Subtract 10s across a 100</p> <p>Step 10 Make connections</p> <p>Step 11 Add two numbers (no exchange)</p>	<p><b>Block 1 – Multiplication &amp; division B</b></p> <p>Step 1 Multiples of 10</p> <p>Step 2 Related calculations</p> <p>Step 3 Reasoning about multiplication</p> <p>Step 4 Multiply a 2-digit number by a 1-digit number – no exchange</p> <p>Step 5 Multiply a 2-digit number by a 1-digit number – with exchange</p> <p>Step 6 Link multiplication and division</p> <p>Step 7 Divide a 2-digit number by a 1-digit number – no exchange</p> <p>Step 8 Divide a 2-digit number by a 1-digit number – flexible partitioning</p> <p>Step 9 Divide a 2-digit number by a 1-digit number – with remainders</p> <p>Step 10 Scalin</p> <p>Step 11 How many ways?</p> <p><b>Block 2 – Measurement (length &amp; perimeter)</b></p> <p>Step 1 Measure in metres and centimetres</p> <p>Step 2 Measure in millimetres</p> <p>Step 3 Measure in centimetres and millimetres</p> <p>Step 4 Metres, centimetres and millimetres</p> <p>Step 5 Equivalent lengths (metres and centimetres)</p> <p>Step 6 Equivalent lengths (centimetres and millimetres)</p> <p>Step 7 Compare lengths</p> <p>Step 8 Add lengths</p> <p>Step 9 Subtract lengths</p>	<p><b>Block 1 – Fractions B</b></p> <p><b>Block 2 – Measurement (money)</b></p> <p><b>Block 3 – Measurement (time)</b></p> <p><b>Block 4 – Geometry (shape)</b></p> <p><b>Block 6 – Statistics</b></p>

# Aldwyn Primary School - Maths Overview



<p>Step 12 Subtract two numbers (no exchange)                  Step 13 Add two numbers (across a 10)                  Step 14 Add two numbers (across a 100)                  Step 15 Subtract two numbers (across a 10)                  Step 16 Subtract two numbers (across a 100)                  Step 17 Add 2-digit and 3-digit numbers                  Step 18 Subtract a 2-digit number from a 3-digit number                  Step 19 Complements to 100                  Step 20 Estimate answers                  Step 21 Inverse operations                  Step 22 Make decisions</p> <p><b>Block 3 – Multiplication &amp; division A</b></p> <p>Step 1 Multiplication – equal groups                  Step 2 Use arrays                  Step 3 Multiples of 2                  Step 4 Multiples of 5 and 10 Step 5                  Sharing and grouping Step 6                  Multiply by 3                  Step 7 Divide by 3                  Step 8 The 3 times-table                  Step 9 Multiply by 4                  Step 10 Divide by 4                  Step 11 The 4 times-table                  Step 12 Multiply by 8                  Step 13 Divide by 8                  Step 14 The 8 times-table                  Step 15 The 2, 4 and 8 times-tables</p>	<p>Step 10 What is perimeter?                  Step 11 Measure perimeter                  Step 12 Calculate perimeter</p> <p><b>Block 3 – Fractions A</b></p> <p>Step 1 Understand the denominators of unit fractions                  Step 2 Compare and order unit fractions                  Step 3 Understand the numerators of non-unit fractions                  Step 4 Understand the whole                  Step 5 Compare and order non-unit fractions                  Step 6 Fractions and scales                  Step 7 Fractions on a number line                  Step 8 Count in fractions on a number line                  Step 9 Equivalent fractions on a number line                  Step 10 Equivalent fractions as bar models</p> <p><b>Block 4 – Measurement (mass &amp; capacity)</b></p> <p>Step 1 Use scales                  Step 2 Measure mass in grams                  Step 3 Measure mass in kilograms and grams                  Step 4 Equivalent masses (kilograms and grams) Step 5                  Compare mass                  Step 6 Add and subtract mass                  Step 7 Measure capacity and volume in millilitres Step 8                  Measure capacity and volume in litres and millilitres                  Step 9 Equivalent capacities and volumes (litres and millilitres)                  Step 10 Compare capacity and volume                  Step 11 Add and subtract capacity and volume</p>	
--	---	--

# Aldwyn Primary School - Maths Overview



## Year 4

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn term	Number <b>Place value</b> VIEW			Number <b>Addition and subtraction</b> VIEW		Measurement <b>Area</b> VIEW		Number <b>Multiplication and division A</b> VIEW			Consolidation	
Spring term	Number <b>Multiplication and division B</b> VIEW			Measurement <b>Length and perimeter</b> VIEW		Number <b>Fractions</b> VIEW			Number <b>Decimals A</b> VIEW			
Summer term	Number <b>Decimals B</b> VIEW		Measurement <b>Money</b> VIEW		Measurement <b>Time</b> VIEW		Consolidation		Geometry <b>Shape</b> VIEW		Statistics VIEW	Geometry <b>Position and direction</b> VIEW

# Aldwyn Primary School - Maths Overview



<b>Autumn</b>	<b>Spring</b>	<b>Summer (published March 2023)</b>
<p><b>Block 1 – Place value</b></p> <p>Step 1 Represent numbers to 1,000                      Step 2 Partition numbers to 1,000                      Step 3 Number line to 1,000                      Step 4 Thousands                      Step 5 Represent numbers to 10,000                      Step 6 Partition numbers to 10,000                      Step 7 Flexible partitioning of numbers to 10,000 Step 8                      Find 1, 10, 100, 1,000 more or less                      Step 9 Number line to 10,000                      Step 10 Estimate on a number line to 10,000                      Step 11 Compare numbers to 10,000                      Step 12 Order numbers to 10,000                      Step 13 Roman numerals                      Step 14 Round to the nearest 10                      Step 15 Round to the nearest 100                      Step 16 Round to the nearest 1,000                      Step 17 Round to the nearest 10, 100 or 1,000</p> <p><b>Block 2 – Addition &amp; subtraction</b></p> <p>Step 1 Add and subtract 1s, 10s, 100s and 1,000s Step 2                      Add up to two 4-digit numbers – no exchange                      Step 3 Add two 4-digit numbers – one exchange Step 4                      Add two 4-digit numbers – more than one exchange                      Step 5 Subtract two 4-digit numbers – no exchange                      Step 6 Subtract two 4-digit numbers – one exchange                      Step 7 Subtract two 4-digit numbers – more than one exchange</p>	<p><b>Block 1 – Multiplication &amp; division B</b></p> <p>Step 1 Factor pairs                      Step 2 Use factor pairs                      Step 3 Multiply by 10                      Step 4 Multiply by 100                      Step 5 Divide by 10                      Step 6 Divide by 100                      Step 7 Related facts – multiplication and division Step 8                      Informal written methods for multiplication                      Step 9 Multiply a 2-digit number by a 1-digit number                      Step 10 Multiply a 3-digit number by a 1-digit number                      Step 11 Divide a 2-digit number by a 1-digit number (1)                      Step 12 Divide a 2-digit number by a 1-digit number (2)                      Step 13 Divide a 3-digit number by a 1-digit number                      Step 14 Correspondence problems                      Step 15 Efficient multiplication</p> <p><b>Block 2 – Measurement (length &amp; perimeter)</b></p> <p>Step 1 Measure in kilometres and metres                      Step 2 Equivalent lengths (kilometres and metres) Step 3                      Perimeter on a grid                      Step 4 Perimeter of a rectangle                      Step 5 Perimeter of rectilinear shapes                      Step 6 Find missing lengths in rectilinear shapes Step 7                      Calculate perimeter of rectilinear shapes Step 8                      Perimeter of regular polygons                      Step 9 Perimeter of polygons</p> <p><b>Block 3 – Fractions</b></p>	<p><b>Block 1 – Decimals B</b></p> <p><b>Block 2 – Measurement (money)</b></p> <p><b>Block 3 – Measurement (time)</b></p> <p><b>Block 4 – Geometry (shape)</b></p> <p><b>Block 6 – Statistics</b></p> <p><b>Block 7 – Geometry (position &amp; direction)</b></p>

# Aldwyn Primary School - Maths Overview



<p>Step 8 Efficient subtraction                  Step 9 Estimate answers                  Step 10 Checking strategies  <b>Block 3 – Measurement (area)</b>                  Step 1 What is area? Step 2 Count squares Step 3 Make shapes Step 4 Compare areas  <b>Block 4 – Multiplication &amp; division A</b>                  Step 1 Multiples of 3                  Step 2 Multiply and divide by 6                  Step 3 6 times-table and division facts                  Step 4 Multiply and divide by 9                  Step 5 9 times-table and division facts                  Step 6 The 3, 6 and 9 times-tables                  Step 7 Multiply and divide by 7                  Step 8 7 times-table and division facts                  Step 9 11 times-table and division facts                  Step 10 12 times-table and division facts                  Step 11 Multiply by 1 and 0                  Step 12 Divide a number by 1 and itself                  Step 13 Multiply three numbers</p>	<p>Step 1 Understand the whole                  Step 2 Count beyond 1                  Step 3 Partition a mixed number                  Step 4 Number lines with mixed numbers                  Step 5 Compare and order mixed numbers                  Step 6 Understand improper fractions                  Step 7 Convert mixed numbers to improper fractions                  Step 8 Convert improper fractions to mixed numbers                  Step 9 Equivalent fractions on a number line                  Step 10 Equivalent fraction families                  Step 11 Add two or more fractions                  Step 12 Add fractions and mixed numbers                  Step 13 Subtract two fractions                  Step 14 Subtract from whole amounts                  Step 15 Subtract from mixed numbers  <b>Block 4 –Decimals A</b>                  Step 1 Tenths as fractions                  Step 2 Tenths as decimals                  Step 3 Tenths on a place value chart                  Step 4 Tenths on a number line                  Step 5 Divide a 1-digit number by 10                  Step 6 Divide a 2-digit number by 10                  Step 7 Hundredths as fractions                  Step 8 Hundredths as decimals                  Step 9 Hundredths on a place value chart                  Step 10 Divide a 1- or 2-digit number by 100</p>	
---	--	--

# Aldwyn Primary School - Maths Overview



## Year 5

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn term	Number <b>Place value</b> <a href="#">VIEW</a>		Number <b>Addition and subtraction</b> <a href="#">VIEW</a>		Number <b>Multiplication and division A</b> <a href="#">VIEW</a>			Number <b>Fractions A</b> <a href="#">VIEW</a>				
Spring term	Number <b>Multiplication and division B</b> <a href="#">VIEW</a>		Number <b>Fractions B</b> <a href="#">VIEW</a>		Number <b>Decimals and percentages</b> <a href="#">VIEW</a>			Measurement <b>Perimeter and area</b> <a href="#">VIEW</a>		<b>Statistics</b> <a href="#">VIEW</a>		
Summer term	Geometry <b>Shape</b> <a href="#">VIEW</a>		Geometry <b>Position and direction</b> <a href="#">VIEW</a>		Number <b>Decimals</b> <a href="#">VIEW</a>			Number <b>Negative numbers</b> <a href="#">VIEW</a>	Measurement <b>Converting units</b> <a href="#">VIEW</a>		Measurement <b>Volume</b> <a href="#">VIEW</a>	

# Aldwyn Primary School - Maths Overview



<b>Autumn</b>	<b>Spring</b>	<b>Summer (published March 2023)</b>
<p><b>Block 1 - Place value</b>                      Step 1 Roman numerals to 1,000                      Step 2 Numbers to 10,000                      Step 3 Numbers to 100,000                      Step 4 Numbers to 1,000,000                      Step 5 Read and write numbers to 1,000,000                      Step 6 Powers of 10                      Step 7 10/100/1,000/10,000/100,000 more or less                      Step 8 Partition numbers to 1,000,000                      Step 9 Number line to 1,000,000                      Step 10 Compare and order numbers to 100,000                      Step 11 Compare and order numbers to 1,000,000                      Step 12 Round to the nearest 10, 100 or 1,000                      Step 13 Round within 100,000                      Step 14 Round within 1,000,000</p> <p><b>Block 2 - Addition &amp; subtraction</b>                      Step 1 Mental strategies                      Step 2 Add whole numbers with more than four digits                      Step 3 Subtract whole numbers with more than four digits                      Step 4 Round to check answers                      Step 5 Inverse operations (addition and subtraction)                      Step 6 Multi-step addition and subtraction problems                      Step 7 Compare calculations                      Step 8 Find missing numbers</p> <p><b>Block 3 – Multiplication &amp; division A</b>                      Step 1 Multiples</p>	<p><b>Block 1 - Multiplication &amp; division B</b>                      Step 1 Multiply up to a 4-digit number by a 1-digit number                      Step 2 Multiply a 2-digit number by a 2-digit number (area model)                      Step 3 Multiply a 2-digit number by a 2-digit number                      Step 4 Multiply a 3-digit number by a 2-digit number                      Step 5 Multiply a 4-digit number by a 2-digit number                      Step 6 Solve problems with multiplication                      Step 7 Short division                      Step 8 Divide a 4-digit number by a 1-digit number                      Step 9 Divide with remainders                      Step 10 Efficient division                      Step 11 Solve problems with multiplication and division</p> <p><b>Block 2 - Fractions B</b>                      Step 1 Multiply a unit fraction by an integer                      Step 2 Multiply a non-unit fraction by an integer                      Step 3 Multiply a mixed number by an integer                      Step 4 Calculate a fraction of a quantity                      Step 5 Fraction of an amount                      Step 6 Find the whole                      Step 7 Use fractions as operators</p> <p><b>Block 3 - Decimals &amp; percentages</b>                      Step 1 Decimals up to 2 decimal places                      Step 2 Equivalent fractions and decimals (tenths)                      Step 3 Equivalent fractions and decimals (hundredths)                      Step 4 Equivalent fractions and decimals</p>	<p><b>Block 1 - Geometry (shape)</b></p> <p><b>Block 2 - Geometry (position &amp; direction)</b></p> <p><b>Block 3 - Decimals</b></p> <p><b>Block 4 - Negative numbers</b></p> <p><b>Block 5 - Measurement (converting units)</b></p> <p><b>Block 6 – Measurement (volume)</b></p>



# Aldwyn Primary School - Maths Overview



<p>Step 2 Common multiples                  Step 3 Factors                  Step 4 Common factors                  Step 5 Prime numbers                  Step 6 Square numbers                  Step 7 Cube numbers                  Step 8 Multiply by 10, 100 and 1,000                  Step 9 Divide by 10, 100 and 1,000                  Step 10 Multiples of 10, 100 and 1,000</p> <p><b>Block 4 – Fractions A</b></p> <p>Step 1 Find fractions equivalent to a unit fraction                  Step 2 Find fractions equivalent to a non-unit fraction                  Step 3 Recognise equivalent fractions                  Step 4 Convert improper fractions to mixed numbers                  Step 5 Convert mixed numbers to improper fractions                  Step 6 Compare fractions less than 1                  Step 7 Order fractions less than 1                  Step 8 Compare and order fractions greater than 1                  Step 9 Add and subtract fractions with the same denominator                  Step 10 Add fractions within 1                  Step 11 Add fractions with total greater than 1                  Step 12 Add to a mixed number                  Step 13 Add two mixed numbers                  Step 14 Subtract fractions                  Step 15 Subtract from a mixed number                  Step 16 Subtract from a mixed number – breaking the whole                  Step 17 Subtract two mixed numbers</p>	<p>Step 5 Thousandths as fractions                  Step 6 Thousandths as decimals                  Step 7 Thousandths on a place value chart                  Step 8 Order and compare decimals (same number of decimal places)                  Step 9 Order and compare any decimals with up to 3 decimal places                  Step 10 Round to the nearest whole number                  Step 11 Round to 1 decimal place                  Step 12 Understand percentages                  Step 13 Percentages as fractions                  Step 14 Percentages as decimals                  Step 15 Equivalent fractions, decimals and percentages</p> <p><b>Block 4 - Measurement (perimeter &amp; area)</b></p> <p>Step 1 Perimeter of rectangles                  Step 2 Perimeter of rectilinear shapes                  Step 3 Perimeter of polygons                  Step 4 Area of rectangles                  Step 5 Area of compound shapes                  Step 6 Estimate area</p> <p><b>Block 6 - Statistics</b></p> <p>Step 1 Draw line graphs                  Step 2 Read and interpret line graphs                  Step 3 Read and interpret tables                  Step 4 Two-way tables                  Step 5 Read and interpret timetables</p>	
--	---	--

# Aldwyn Primary School - Maths Overview



## Year 6

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn term	Number <b>Place value</b> VIEW	Number <b>Addition, subtraction, multiplication and division</b> VIEW		Number <b>Fractions A</b> VIEW			Number <b>Fractions B</b> VIEW		Measurement <b>Converting units</b> VIEW			
Spring term	Number <b>Ratio</b> VIEW	Number <b>Algebra</b> VIEW	Number <b>Decimals</b> VIEW	Number <b>Fractions decimals and percentages</b> VIEW	Measurement <b>Area, perimeter and volume</b> VIEW	<b>Statistics</b> VIEW						
Summer term	Geometry <b>Shape</b> VIEW		Geometry <b>Position and direction</b> VIEW	Themed projects, consolidation and problem solving								

# Aldwyn Primary School - Maths Overview



<b>Autumn</b>	<b>Spring</b>	<b>Summer (published March 2023)</b>
<p><b>Block 1 - Place value</b></p> <p>Step 1 Numbers to 1,000,000</p> <p>Step 2 Numbers to 10,000,000</p> <p>Step 3 Read and write numbers to 10,000,000</p> <p>Step 4 Powers of 10</p> <p>Step 5 Number line to 10,000,000</p> <p>Step 6 Compare and order any integers</p> <p>Step 7 Round any integer</p> <p>Step 8 Negative numbers</p> <p><b>Block 2 - Addition, subtraction, multiplication &amp; division</b></p> <p>Step 1 Add and subtract integers</p> <p>Step 2 Common factors</p> <p>Step 3 Common multiples</p> <p>Step 4 Rules of divisibility</p> <p>Step 5 Primes to 100</p> <p>Step 6 Square and cube numbers</p> <p>Step 7 Multiply up to a 4-digit number by a 2-digit number</p> <p>Step 8 Solve problems with multiplication</p> <p>Step 9 Short division</p> <p>Step 10 Division using factors</p> <p>Step 11 Introduction to long division</p> <p>Step 12 Long division with remainders</p> <p>Step 13 Solve problems with division</p> <p>Step 14 Solve multi-step problems</p> <p>Step 15 Order of operations</p> <p>Step 16 Mental calculations and estimation</p> <p>Step 17 Reason from known facts</p>	<p><b>Block 1 - Ratio</b></p> <p>Step 1 Add or multiply?</p> <p>Step 2 Use ratio language</p> <p>Step 3 Introduction to the ratio symbol</p> <p>Step 4 Ratio and fractions</p> <p>Step 5 Scale drawing</p> <p>Step 6 Use scale factors</p> <p>Step 7 Similar shapes</p> <p>Step 8 Ratio problems</p> <p>Step 9 Proportion problems</p> <p>Step 10 Recipes</p> <p><b>Block 2 - Algebra</b></p> <p>Step 1 1-step function machines</p> <p>Step 2 2-step function machines</p> <p>Step 3 Form expressions</p> <p>Step 4 Substitution</p> <p>Step 5 Formulae</p> <p>Step 6 Form equations</p> <p>Step 7 Solve 1-step equations</p> <p>Step 8 Solve 2-step equations</p> <p>Step 9 Find pairs of values</p> <p>Step 10 Solve problems with two unknowns</p> <p><b>Block 3 - Decimals</b></p> <p>Step 1 Place value within 1</p> <p>Step 2 Place value – integers and decimals</p> <p>Step 3 Round decimals</p> <p>Step 4 Add and subtract decimals</p>	<p><b>Block 1 - Geometry (shape)</b></p> <p><b>Block 2 – Geometry (position &amp; direction)</b></p>

# Aldwyn Primary School - Maths Overview



<p><b>Block 3 – Fractions A</b></p> <p>Step 1 Equivalent fractions and simplifying                  Step 2 Equivalent fractions on a number line                  Step 3 Compare and order (denominator)                  Step 4 Compare and order (numerator)                  Step 5 Add and subtract simple fractions                  Step 6 Add and subtract any two fractions                  Step 7 Add mixed numbers                  Step 8 Subtract mixed numbers                  Step 9 Multi-step problems</p> <p><b>Block 4 – Fractions B</b></p> <p>Step 1 Multiply fractions by integers                  Step 2 Multiply fractions by fractions                  Step 3 Divide a fraction by an integer                  Step 4 Divide any fraction by an integer                  Step 5 Mixed questions with fractions                  Step 6 Fraction of an amount                  Step 7 Fraction of an amount – find the whole</p> <p><b>Block 5 - Measurement (converting units)</b></p> <p>Step 1 Metric measures                  Step 2 Convert metric measures                  Step 3 Calculate with metric measures                  Step 4 Miles and kilometres                  Step 5 Imperial measures</p>	<p>Step 5 Multiply by 10, 100 and 1,000                  Step 6 Divide by 10, 100 and 1,000                  Step 7 Multiply decimals by integers                  Step 8 Divide decimals by integers                  Step 9 Multiply and divide decimals in context</p> <p><b>Block 4 - Fractions, decimals &amp; percentages</b></p> <p>Step 1 Decimal and fraction equivalents                  Step 2 Fractions as division                  Step 3 Understand percentages                  Step 4 Fractions to percentages                  Step 5 Equivalent fractions, decimals and percentages                  Step 6 Order fractions, decimals and percentages                  Step 7 Percentage of an amount – one step                  Step 8 Percentage of an amount – multi-step                  Step 9 Percentages – missing values</p> <p><b>Block 6 - Measurement (area, perimeter &amp; volume)</b></p> <p>Step 1 Shapes – same area                  Step 2 Area and perimeter                  Step 3 Area of a triangle – counting squares                  Step 4 Area of a right-angled triangle                  Step 5 Area of any triangle                  Step 6 Area of a parallelogram                  Step 7 Volume – counting cubes                  Step 8 Volume of a cuboid</p> <p><b>Block 7 – Statistics</b></p> <p>Step 1 Line graphs                  Step 2 Dual bar charts                  Step 3 Read and interpret pie charts                  Step 4 Pie charts with percentages</p>	
--	--	--

# Aldwyn Primary School - Maths Overview



Step 5 Draw pie charts Step 6 The mean	
---	--