Mathseeds Teacher Planner • Year 3 Overview

ABC Mathseeds

Week	Term 1		Term 2		Term 3		Term 4	
1	**Numbers: 1000–5000**		**Position: Maps**		**2D Space: Angles**		**Multiplication and Division: Fact families**	
	Order numbers on a number line. Count forwards and backwards. Order numbers from smallest to largest.		Identify features and places on a simple map using basic coordinates and compass directions.		Understand that angles are properties of 2D shapes and measures of turn. Identify angles and compare their sizes.		Recall division facts. Solve problems with an unknown quotient.	
2	**2D Space: Symmetry**		**Division: Grouping and sharing**		**Subtraction: Regrouping**	**Measurement: Compare time**	**Fractions: Word problems**	
	Explore vertical and horizontal lines of symmetry. Identify images that are symmetrical.		Revision of grouping and sharing using the division sign and related number facts.		Subtract two 3-digit numbers. Use strategies to demonstrate regrouping when subtracting.	Compare the duration of an event. Understand the difference between am and pm.	Solve word problems that include finding the fraction of a collection of objects, equivalent fractions and adding fractions.	
3	**Addition and Subtraction: Patterns**		**Numbers: Odd and even**	**Chance: Experiments**	**Fractions: Equivalent fractions**		**Measurement: Perimeter**	**Multiplication: Multiples of 10**
	Identify addition and subtraction patterns. Explore the Fibonacci Sequence. Identify and follow a rule to create a number pattern.		Identify odd and even numbers. Explore odd and even number patterns.	Explore chance experiments. Identify outcomes and possibilities and record results.	Recognise and compare equivalent fractions.		Find the perimeter of a variety of shapes. Investigate shapes that have different areas but the same perimeters.	Use strategies to multiply one-digit numbers by multiples of 10.
4	**Measurement: Capacity**	**Multiplication: Groups and arrays**	**Multiplication: Word problems**		**Multiplication and Division: Fact families**		**Numbers: Rounding to 100**	**Addition and Subtraction: Patterns**
	Introduce the L and mL. Determine if a vessel holds >, < or = to 1 L. Read increments.	Revise multiplication strategies. Solve multiplication word problems.	Use multiplication facts and related number facts to solve word problems. Explore strategies to solve problems.		Recognise number combinations that make number fact families when multiplying and dividing.		Use a number line. Identify the 'midpoint' and round up or down to the nearest hundred.	Complete place value patterns involving addition and subtraction equations.
5	**Numbers: 5000–10 000**		**3D Objects: Prisms and pyramids**		**Measurement: Length**	**Addition and Subtraction: Word problems**	**Division: Word problems**	
	Model numbers and match numbers to their name. Place numbers on a number line. Count forwards and backwards. Add +1, +10, +100 to a number.		Identify prisms and pyramids and describe their key features.		Measure and compare objects. Recognise the most appropriate unit of measure.	Solve addition and subtraction word problems.	Solve word problems that involve division. Interpret the questions and determine unknown quotients.	
6	**Measurement: Area**		**Addition: 3-digits**	**Multiplication: ×4, ×8**	**2D Shapes: Properties**	**Measurement: Time**	**Fractions: Whole numbers**	
	Count squares to measure area. Multiply length × width to find the area in m².		Use vertical addition. Add two 3-digit numbers and introduce regrouping.	Explore the ×4 and ×8 tables. Identify number patterns.	Revise the different categories of 2D shapes and group shapes according to their attributes.	Read time in minutes to and past the hour. Compare digital and analogue times.	Recognise whole numbers written as fractions. Compare sizes of whole number fractions.	
7	**Multiplication: ×2, ×4**	**Money: Equivalent amounts**	**Measurement: Mass**	**Addition and Subtraction: Mental strategies**	**Multiplication: Written strategies**		**Data: Measurement**	
	Explore the ×2, ×4 tables. Identify patterns in a hundred chart.	Match currency combinations to a given amount. Find change from $50.	Measure and compare the mass of objects. Solve one-step word problems.	Use the compensation strategy to add and subtract numbers.	Use vertical multiplication. Multiply 1 digit by 1 digit, and 2 digits by 1 digit.		Measure items and record data. Record measurements. Interpret the results.	
8	**Fractions: Compare and order**		**Data: Scaled picture graphs**		**Data: Scaled column graphs**		**Multiplication and Division: Fluency**	
	Understand the role of the top and bottom numbers in a fraction. Use the term 'denominator'. Compare the sizes of fractions. Order fractions.		Collect data. Draw a scaled picture graph. Solve one-step and two-step questions by interpreting information in the graph.		Collect data and draw a scaled bar graph. Solve one-step and two-step questions by interpreting the information presented in the graph.		Use strategies to fluently multiply and divide numbers.	
9	**Numbers: Partitioning**	**Measurement: Time**	**Fractions: Compare**		**Operations: Word problems**		**Measurement: Area problems**	
	Partition and rearrange numbers. Recognise values. Increase and compare values.	Recognise that there are 60 minutes in an hour. Tell time to the nearest minute.	Investigate half, quarter, third, fifth and tenth of a share. Understand the denominator tells you how many groups to make. Compare quantities.		Solve problems that involve the four operations. Determine the appropriate operation.		Solve problems involving area. Find the areas of rectangles.	
10	**Addition and Subtraction: Equivalent number sentences**		**Multiplication: ×3, ×6**		**Measurement: Time**		**Wrap it up!**	
	Explore the connection between addition and subtraction using wholes and parts, related number facts and equivalent number sentences.		Explore the 3× and 6× tables. Identify number patterns. Investigate the distributive property of multiplication.		Solve problems about time. Use addition and subtraction to calculate time intervals.			

Mathseeds Teacher Planner • Year 3 Term 1

ABC Mathseeds

Week	1	2	3	4	5	6	7	8	9	10
Topics	Numbers: 1000–5000	2D Space: Symmetry	Addition and Subtraction: Patterns	Measurement: Capacity / Multiplication: Groups and arrays	Numbers: 5000–10 000	Measurement: Area	Multiplication: Times tables (×2, ×4) / Money: Equivalent amounts	Fractions: Compare and order	Numbers: Partitioning / Measurement: Time to minutes	Addition and Subtraction: Equivalent number sentences
Content	Order numbers on a number line. Count forwards and backwards. Order numbers from smallest to largest.	Explore vertical and horizontal lines of symmetry. Identify images that are symmetrical.	Identify addition and subtraction number patterns. Explore the Fibonacci Sequence. Identify and follow a rule to create a number pattern.	Introduce the L and mL. Determine if a vessel holds >, < or = to 1 L. Read increments. / Revise multiplication strategies. Solve multiplication word problems.	Model numbers and match numbers to their name. Place numbers on a number line. Count forwards and backwards. Add +1, +10, +100 to a number.	Count squares to measure area. Multiply length × width to find the area in m².	Explore the ×2, ×4 tables. Identify patterns in a hundred chart. / Match currency combinations to a given amount. Find change from $50.	Understand the role of the top and bottom numbers in a fraction. Use the term 'denominator'. Compare the sizes of fractions. Order fractions.	Partition and rearrange numbers. Recognise values. Increase and compare values. / Recognise that there are 60 minutes in an hour. Tell time to the nearest minute.	Explore the connection between addition and subtraction using wholes and parts, related number facts and equivalent number sentences.
Curriculum	MA2-RN-01, 02	MA2-2DS-01, 02	MA2-AR-01, 02	MA2-3DS-02 / MA2-MR-01, 02	MA2-RN-01, 02	MA2-2DS-03	MA2-MR-01, 02 / MA2-AR-01, 02	MA2-PF-01	MA2-RN-01, 02 / MA2-NSM-02	MA2-AR-01, 02
Online Lessons	Lesson 151: Counting 1000–5000	Lesson 152: Symmetry	Lesson 153: Number Patterns 2	Lesson 154: Litres & Millilitres / Lesson 155: Multiplication Revision	Lesson 156: Counting 5000–10 000	Lesson 157: Area 3	Lesson 158: Times Tables: ×2, ×4 / Lesson 159: Money: Equivalent Amounts 2	Lesson 160: Comparing & Ordering Fractions	Lesson 161: Partitioning Numbers / Lesson 162: Time to the Minute	Lesson 163: Equivalent Number Sentences
Mental Minute	**Badge 107 Multiplication** Multiply by ×3	**Badge 108 Division** Mixed facts 1	**Badge 109 Addition** Bridging 10 to 100	**Badge 110 Division** Divide by 3	**Badge 111 Division** Mixed facts 2	**Badge 112 Addition** Add 10 to 3-digits	**Badge 113 Multiplication** Multiply by ×4	**Badge 114 Multiplication** All operations 1	**Badge 115 Division** Divide by 43	**Badge 116 Division** Mixed facts 3
3-4 Posters	Higher Place Value	Symmetry	Fibonacci Sequence, Two-Step Number Patterns	Capacity Units, Problem Solving: Arrays	Higher Place Value	Calculating Area, Metric Area	2× Table, 4× Table	Fraction Number Lines, Fraction Wall	Higher Place Value, Time in Minutes	
3-4 Useful Resources	Hundreds Chart, Place Value Chart, Base Ten Blocks		Pascals Triangle	Multiplication	Hundreds Chart, Place Value Chart, Base Ten Blocks		Multiplication, Multiplication Table	Fraction Wall, Equivalent Fractions	Place Value Chart, Base Ten Blocks	Addition Table
Printables Library	**Number** Series D Topic 1: Numbers to 10 000 Topic 2: Ordering Numbers **Mental Minute Workbook** Badge 107 **Problem Solving** Series D	**Geometry** Series D Topic 4: Symmetry **Mental Minute Workbook** Badge 108 **Problem Solving** Series D	**Addition and Subtraction** Series D Topic 4: Addition and Subtraction Patterns **Mental Minute Workbook** Badge 109 **Problem Solving** Series D	**Multiply and Divide** Series D Topic 1: Multiplication **Mental Minute Workbook** Badge 110 **Problem Solving** Series D	**Number** Series D Topic 1: Numbers to 10 000 Topic 2: Ordering Numbers **Mental Minute Workbook** Badge 111 **Problem Solving** Series D	**Mental Minute Workbook** Badge 112 **Problem Solving** Series D	**Multiply and Divide** Series D Topic 2: Times Tables **Addition and Subtraction** Series D Topic 2: Addition and Subtraction Equivalence **Mental Minute Workbook** Badge 113 **Problem Solving** Series D	**Fractions** Series D Topic 1: Fractions to 1 **Mental Minute Workbook** Badge 114 **Problem Solving** Series D	**Number** Series D Topic 3: Place value **Mental Minute Workbook** Badge 115 **Problem Solving** Series D	**Addition and Subtraction** Series D Topic 2: Addition and Subtraction Equivalence **Mental Minute Workbook** Badge 116 **Problem Solving** Series D

Mathseeds Teacher Planner • Year 3 Term 2

ABC Mathseeds

Week	1	2	3	4	5	6	7	8	9	10
Topics	**Position: Maps**	**Division: Grouping and sharing**	**Numbers: Odd and even** / **Chance: Experiments**	**Multiplication: Word problems**	**3D Objects: Prisms and pyramids**	**Addition: 3-digits** / **Multiplication: Times tables (×4, ×8)**	**Measurement: Mass** / **Addition and Subtraction: Mental strategies**	**Data: Scaled picture graphs**	**Fractions: Compare**	**Multiplication: Times tables (×3, ×6)**
Content	Identify features and places on a simple map using basic coordinates and compass directions.	Revision of grouping and sharing using the division sign and related number facts.	Identify odd and even numbers. Explore odd and even number patterns. / Investigate chance experiments. Identify possible outcomes and record results.	Use multiplication facts and related number facts to solve word problems. Explore strategies to solve problems.	Identify prisms and pyramids and describe their key features.	Use vertical addition. Add 3-digit numbers and introduce regrouping. / Explore the 4× and 8× tables. Identify number patterns.	Measure and compare the mass of objects. Solve one-step word problems. / Use the compensation strategy to add and subtract numbers.	Collect data. Draw a scaled picture graph. Solve one-step and two-step questions by interpreting information in the graph.	Investigate half, quarter, third, fifth and tenth of a share. Understand that the denominator tells you how many groups to make. Compare quantities.	Explore the 3× and 6× tables. Identify number patterns. Investigate the distributive property of multiplication.
Curriculum	MA2-GM-01	MA2-MR-01, 02	MA2-MR-01, 02 / MA2-CHAN-01	MA2-MR-01, 02	MA2-3DS-01	MA2-AR-01, 02 / MA2-MR-01, 02	MA2-NSM-01 / MA2-AR-01, 02	MA2-DATA-01, 02	MA2-PF-01	MA2-MR-01, 02
Online Lessons	Lesson 164: Maps	Lesson 165: Division	Lesson 166: Odd & Even Numbers 2 / Lesson 167: Chance 3	Lesson 168: Multiplication Word Problems 2	Lesson 169: Prisms and Pyramids	Lesson 170: Addition 3 / Lesson 171: Times Tables 2 (×8)	Lesson 172: Kilograms & Grams / Lesson 173: Mental + − Strategies	Lesson 174: Data 3	Lesson 175: Comparing Fractions of a Collection	Lesson 176: Times Tables 3: Mental Facts
Mental Minute	**Badge 117 Subtraction** 100 minus tens	**Badge 118 Multiplication** Multiply by 6	**Badge 119 Multiplication** All operations 2	**Badge 120 Division** Divide by 6	**Badge 121 Division** Mixed facts 4	**Badge 122 Addition** Add 100 to 3-digits	**Badge 123 Multiplication** Multiply by ×7	**Badge 124 Multiplication** All operations 3	**Badge 125 Division** Divide by 7	**Badge 126 Division** Mixed facts 5
3-4 Posters	Compass, Grid Coordinates		Adding Even & Odd Numbers		Prisms, Pyramids, Nets	4× Table, 8× Table	Mass Units	Frequency & Scaled Graphs	Fraction Number Lines, Fraction Wall	3× Table, 6× Table
3-4 Useful Resources	10 × 10 Grids	Hundred Chart	Spinners, Addition Table	Multiplication Table	Basic nets, Prism nets, Pyramid nets	Algorithm Mat, Base Ten Blocks, Hundred Chart, Multiplication Table	Hundred Chart		Fraction Wall, Equivalent Fractions	Multiplication Table, Hundred Chart
Printables Library	**Geometry** Series D Topic 5: Location **Mental Minute Workbook** Badge 117 **Problem Solving** Series D	**Multiply and Divide** Series D Topic 3: Division **Mental Minute Workbook** Badge 118 **Problem Solving** Series D	**Number** Series D Topic 1: Numbers to 10 000 **Addition and Subtraction** Series D Topic 2: Addition and Subtraction Equivalence **Mental Minute Workbook** Badge 119 **Problem Solving** Series D	**Multiply and Divide** Series D Topic 5: Multiplication Strategies **Mental Minute Workbook** Badge 120 **Problem Solving** Series D	**Geometry** Series D Topic 1: 3D Objects **Mental Minute Workbook** Badge 121 **Problem Solving** Series D	**Addition and Subtraction** Series D Topic 3: Addition and Subtraction Algorithms **Multiply and Divide** Series D Topic 2: Times Tables **Mental Minute Workbook** Badge 122 **Problem Solving** Series D	**Addition and Subtraction** Series D Topic 1: Addition and Subtraction Strategies **Mental Minute Workbook** Badge 123 **Problem Solving** Series D	**Mental Minute Workbook** Badge 124 **Problem Solving** Series D	**Fractions** Series D Topic 1: Fractions to 1 **Mental Minute Workbook** Badge 125 **Problem Solving** Series D	**Multiply and Divide** Series D Topic 2: Times Tables **Mental Minute Workbook** Badge 126 **Problem Solving** Series D

Mathseeds Teacher Planner • Year 3 Term 3

Week	1	2	3	4	5	6	7	8	9	10
Topics	2D Space: Angles	Subtraction: Regrouping / Measurement: Compare time	Fractions: Equivalent fractions	Multiplication and Division: Fact families	Measurement: Length / Addition and Subtraction: Word problems	2D Shapes: Properties / Measurement: Time in minutes and hours	Multiplication: Written strategies	Data: Scaled column graphs	Operations: Word problems	Measurement: Time problems
Content	Understand that angles are properties of 2D shapes and measures of turn. Identify angles and compare their sizes.	Subtract 3-digit numbers. Use strategies to show regrouping when subtracting. / Compare the duration of an event. Understand the difference between am and pm.	Recognise and compare equivalent fractions.	Recognise number fact families when multiplying and dividing.	Measure and compare objects. Recognise the most appropriate unit of measure. / Solve addition and subtraction word problems using different strategies.	Revise the different categories of 2D shapes and group shapes according to their attributes. / Read time in minutes to and past the hour. Compare digital and analogue times.	Use vertical multiplication. Multiply 1 digit by 1 digit, and 2 digits by 1 digit.	Collect data and draw a scaled bar graph. Solve one-step and two-step questions by interpreting the information presented in the graph.	Solve problems that involve all operations. Determine the appropriate operation.	Solve problems about time. Use addition and subtraction to calculate time intervals.
Curriculum	MA2-GM-03	MA2-AR-01, 02 / MA2-NSM-02	MA2-PF-01	MA2-MR-01, 02	MA2-GM-02 / MA2-AR-01, 02	MA2-2DS-01, 02 / MA2-NSM-02	MA2-MR-01, 02	MA2-DATA-01, 02	MA2-AR-01, 02 MA2-MR-01, 02	MA2-NSM-02
Online Lessons	Lesson 177: Angles	Lesson 178: Subtraction with Regrouping / Lesson 179: Comparing Times	Lesson 180: Equivalent Fractions	Lesson 181: Number Fact Families 2	Lesson 182: Metres, Centimetres & Millimetres / Lesson 183: Solving Word Problems	Lesson 184: Properties of 2D Shapes / Lesson 185: Minutes to the Hour	Lesson 186: Multiplication	Lesson 187: Creating Graphs	Lesson 188: Problem Solving	Lesson 189: Time Word Problems
Mental Minute	Badge 127 Addition Add 2-digit numbers	Badge 128 Multiplication Multiply by ×8	Badge 129 Division Mixed facts 6	Badge 130 Division Divide by 8	Badge 131 Division Mixed facts 7	Badge 132 Subtraction 10 minus teens	Badge 133 Multiplication Multiply by ×9	Badge 134 Multiplication All operations 4	Badge 135 Division Divide by 9	Badge 136 Division Mixed facts 8
3-4 Posters	Angles	Amounts of Time	Fraction Number Lines, Fraction Wall	Multiplication & Division Fact Families		Time in Minutes		Frequency & Scaled Graphs		Adding Time
3-4 Useful Resources	Angle Tester	Algorithm Mat, Base Ten Blocks	Fraction Wall, Equivalent Fractions	Multiplication Table			Multiplication Table			
Printables Library	**Geometry** Series D Topic 2: Angles **Mental Minute Workbook** Badge 127 **Problem Solving** Series D	**Addition and Subtraction** Series D Topic 3: Addition and Subtraction Algorithms **Mental Minute Workbook** Badge 128 **Problem Solving** Series D	**Fractions** Series D Topic 1: Fractions to 1 **Mental Minute Workbook** Badge 129 **Problem Solving** Series D	**Multiply and Divide** Series D Topic 4: Number Fact Families **Mental Minute Workbook** Badge 130 **Problem Solving** Series D	**Addition and Subtraction** Series D Topic 5: Problem Solving Strategies **Mental Minute Workbook** Badge 131 **Problem Solving** Series D	**Geometry** Series D Topic 3: 2D Shapes **Mental Minute Workbook** Badge 132 **Problem Solving** Series D	**Multiply and Divide** Series D Topic 5: Multiplication Strategies **Mental Minute Workbook** Badge 133 **Problem Solving** Series D	**Mental Minute Workbook** Badge 134 **Problem Solving** Series D	**Multiply and Divide** Series D Topic 6: Mixed Operations Problems **Mental Minute Workbook** Badge 135 **Problem Solving** Series D	**Mental Minute Workbook** Badge 136 **Problem Solving** Series D

Mathseeds Teacher Planner • Year 3 Term 4

ABC Mathseeds

Week	1	2	3	4	5	6	7	8	9
Topics	**Multiplication and Division: Fact families**	**Fractions: Word problems**	**Measurement: Perimeter** / **Multiplication: Multiples of 10**	**Numbers: Rounding** / **Addition and Subtraction: Patterns**	**Division: Word problems**	**Fractions: Whole numbers**	**Data: Measurement**	**Multiplication and Division: Fluency**	**Measurement: Area problems**
Content	Recall division facts. Solve problems with an unknown quotient.	Solve word problems that include finding the fraction of a collection of objects, equivalent fractions and adding fractions.	Find the perimeter of a variety of shapes. Investigate shapes that have different areas but the same perimeters. / Use strategies to multiply one-digit numbers by multiples of 10.	Use a number line. Identify the 'midpoint' and round up or down to the nearest hundred. / Complete place value patterns involving addition and subtraction equations.	Solve word problems that involve division. Interpret the questions and determine unknown quotients.	Recognise whole numbers written as fractions. Compare sizes of whole fractions.	Measure items and record data. Interpret the results.	Use strategies to fluently multiply and divide numbers.	Solve problems involving area. Find the areas of rectangles.
Curriculum	MA2-MR-01, 02	MA2-PF-01	MA2-GM-02 / MA2-MR-01, 02	MA2-RN-01, 02 / MA2-AR-01, 02	MA2-MR-01, 02	MA2-PF-01	MA2-DATA-01, 02	MA2-MR-01, 02	MA2-2DS-03
Online Lessons	Lesson 190: Division 2	Lesson 191: Fraction Word Problems	Lesson 192: Perimeter / Lesson 193: Multiplication 2	Lesson 194: Rounding to the Nearest 100 / Lesson 195: Addition and Subtraction Patterns	Lesson 196: Division Word Problems	Lesson 197: Whole Number Fractions	Lesson 198: Measurement Data	Lesson 199: Fluent × ÷ within 100	Lesson 200: Area Problem Solving
Mental Minute	**Badge 137 Subtraction** 100 minus 2-digits	**Badge 138 Multiplication** Multiply by ×11	**Badge 139 Multiplication** All operations 5	**Badge 140 Division** Divide by 11	**Badge 141 Division** Mixed facts 9	**Badge 142 Multiplication** Multiply by ×12	**Badge 143 Multiplication** All operations 7	**Badge 144 Division** Divide by 12	**Badge 145 Division** Mixed facts 10
3-4 Posters	Multiplication & Division Fact Families	Fraction Number Lines, Fraction Wall		Two-Step Number Patterns		Fraction Number Lines, Fraction Wall	Frequency & Scaled Graphs	Multiplication & Division Fact Families	Calculating Area, Metric Area
3-4 Useful Resources		Fraction Wall, Equivalent Fractions	Base Ten Blocks	Hundreds Chart, Place Value Chart, Base Ten Blocks		Fraction Wall, Equivalent Fractions		Multiplication Table	
Printables Library	**Multiply and Divide** Series D Topic 3: Division **Mental Minute Workbook** Badge 137 **Problem Solving** Series D	**Fractions** Series D Topic 1: Fractions to 1 **Mental Minute Workbook** Badge 138 **Problem Solving** Series D	**Multiply and Divide** Series D Topic 5: Multiplication Strategies **Mental Minute Workbook** Badge 139 **Problem Solving** Series D	**Number** Series D Topic 3: Place Value **Addition and Subtraction** Series D Topic 4: Addition and Subtraction Patterns **Mental Minute Workbook** Badge 140 **Problem Solving** Series D	**Multiply and Divide** Series D Topic 3: Division **Mental Minute Workbook** Badge 141 **Problem Solving** Series D	**Fractions** Series D Topic 2: Fractions over 1 **Mental Minute Workbook** Badge 142 **Problem Solving** Series D	**Mental Minute Workbook** Badge 143 **Problem Solving** Series D	**Multiply and Divide** Series D Topic 2: Times tables, Topic 3: Division, Topic 4: Number fact families **Mental Minute Workbook** Badge 144 **Problem Solving** Series D	**Mental Minute Workbook** Badge 145 **Problem Solving** Series D