Primary 5

Context:



Block 1

Area of Numeracy and Maths	Differentiated Activities	Resources	Assessment and Observation	Date Completed
 Estimation and Rounding Estimate the answer to a problem Know that +/- and x / ÷ are inverse operations 	★ ★★ ★★★			
 Awareness of Number –Counting, Quantities& Number Structure <u>Counting</u> Count in steps of 6, 7, 9, 25, 100 Count objects by grouping in different multiples Count in multiples of starting at any number up to 1000 	★ ★★ ★★★			
 Awareness of Number –Counting, Quantities& Number Structure <u>Numerals</u> Read and write numbers beyond 1000 Order numbers beyond 1000 Position numbers beyond 1000 on the number line Describe and extend number sequences 	★ ★★ ★★★			

Baljaffray Primary SchoolMaking Maths Memorable (M3)Primary 5



Area of Numeracy and Maths	Differentiated Activities	Resources	Assessment and Observation	Date Completed
Awareness of Number –Counting, Quantities& Number Structure <u>Quantities</u>	*			
Understand and provide examples of the numbers before and after a given number	**			

Quantities& Number Structure <u>Place Value</u>	*			
 Make 4 digit numbers recording in numbers and words Represent 4 digit numbers using concrete materials 	**			

Addition and Subtraction	*			
 Partition numbers in different ways Recognise and describe part whole relationships To + and -up to four digit numbers (no bridging) 	**			

Making Maths Memorable (M³)

Primary 5



Area of Numeracy and Maths	Differentiated Activities	Resources	Assessment and Observation	Date Completed
 Multiplication and Division Understand the process of multiplying and dividing by 2-12 Make the link between sharing, arrays and division 	★ ★★ ★★★			
 Fractions, Decimals and Percentages Show equivalent fractions pictorially To identify and calculate equivalent fractions Write decimal equivalents to simple fractions Compare fractions using >, < 	$ \star \star \\ \star \star \\ \star \star \star $			
 Money Solve money problems using mental strategies 	★ ★★ ★★★			





Area of Numeracy and Maths	Differentiated Activities	Resources	Assessment and Observation	Date Completed
Time	*			
 Tell the time to the minute Convert between 12 hour and 24 hour time 	**			

Measurement	*			
Length, Mass, Perimeter, Area, Volume				
• Measure & estimate the length, width &				
height of objects using cm/mm		1		
 Know that ½ kg = 500g Know perimeter is the distance round the outside 				
 Measure the area of regular shapes using cm² / m² 	***			
 Read scales accurately using litres & millilitres. 				
Patterns and Relationships	+			
 Use well known number patterns such as multiples 				
as muluples	$\star\star$			

Making Maths Memorable (M³)

Primary 5





Area of Numeracy and Maths	Differentiated Activities	Resources	Assessment and Observation	Date Completed
 Expressions and Equations Express and solve missing number problems algebraically x–30 = 40 and 4B = 20 	★ ★★ ★★★			
 Impact on the World Research historical number systems and how they have changed over time 	★ ★★ ★★★			
 2D Shape and 3D Objects Extend the range of 2D shapes. Extend knowledge of 2D shapes. Continue to extend range of shape and properties 	★ ★★ ★★★			



Area of Numeracy and Maths	Differentiated Activities	Resources	Assessment and Observation	Date Completed
 Angles and Symmetry Use 8 compass points and angles to describe, record and follow directions 	★ ★★ ★★★			
 Transformation Interpret a coordinate system to locate and plot a point on a grid 	★ ★★ ★★★			
 Data Handling and Analysis Interpret information presented to show awareness of significance of the data. 	★ ★★ ★★★			

Baljaffray Primary School	Making Maths Memorable (M ³)	Primary 5	Context:	BALAAFFRA
Area of Numeracy and Maths	Differentiated Activities	Resources	Assessment and Observation	Date Completed
 Ideas of Chance and Uncertainty Predict and explain outcomes using appropriate vocabulary; 50:50 equal chance 	★ ★★			

Primary 5

Context:

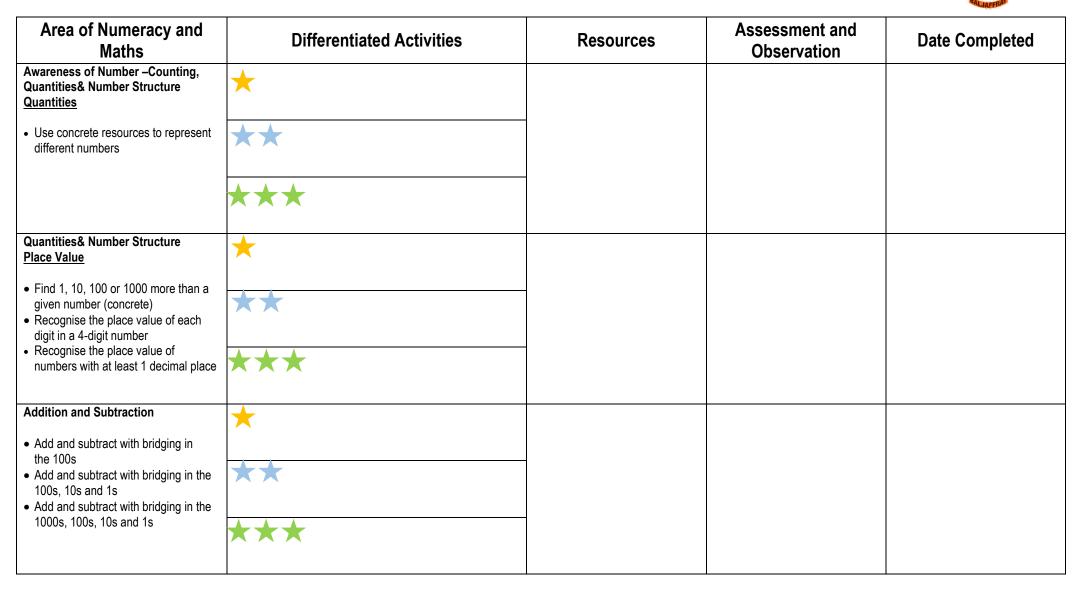


Block 2

Area of Numeracy and Maths	Differentiated Activities	Resources	Assessment and Observation	Date Completed
Estimation and Rounding	*			
 Know that +/- and x / ÷ are inverse operations Estimate and check solutions to problems using the inverse operation Solve problems using estimation and 	**			
check using the inverseJustify answers	***			
Awareness of Number –Counting, Quantities& Number Structure <u>Counting</u>	*			
 Estimate positions of numbers on a number line Read and write numbers beyond 1000 	**			

Awareness of Number –Counting, Quantities& Number Structure <u>Numerals</u>	*			
Read and write decimal fractions with up to one decimal place	$\star\star$			
	***	_		
up to one decimal place	* * *			

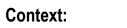
Baljaffray Primary School	Making Maths Memorable (M ³)	Primary 5	Context:	
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Primary 5



Area of Numeracy and Maths	Differentiated Activities	Resources	Assessment and Observation	Date Completed
Multiplication and Division	*			
 Multiply and divide by multiples of 10 and 100 Multiply and divide 2/3 digit numbers by a one digit number 	**			
	***	-		
Fractions, Decimals and Percentages	*			
 Use factors and multiples to recognise equivalent fractions Simplify fractions 	**			
	***	_		
Money	*			
 Add and subtract values to 2 decimal places 	**			
	***	_		





Area of Numeracy and Maths	Differentiated Activities	Resources	Assessment and Observation	Date Completed
Time	*			
 Convert half an hour to 30 minutes Convert quarter of an hour to 15 minutes 	**			

Measurement Length, Mass, Perimeter, Area, Volume • Measure and estimate lengths	*			
• in metres		-		
 Know that ¼ kg = 250g Measure accurately perimeter of regular shapes using cm. 				
 Measure the area of regular shapes using ½ cm² 	***			
 Measure & estimate using ¼ litre (250ml) 				
Patterns and Relationships	*			
Use well known number patterns such as multiples				
	**			

Baljaffray Primary SchoolMaking Maths Memorable (M3)

Primary 5





Area of Numeracy and Maths	Differentiated Activities	Resources	Assessment and Observation	Date Completed
Expressions and Equations	*			
 Express and solve missing number problems algebraically x–30 = 40 and 4B = 20 	**	-		

Impact on the World	*			
 Research historical number systems and how they have changed over time 	**	-		
	***	_		
2D Shape and 3D Objects	*			
• Extend understanding of 3D objects				
	$\star\star$	-		

Baljaffray Primary SchoolMaking Maths Memorable (M3)

Primary 5





Area of Numeracy and Maths	Differentiated Activities	Resources	Assessment and Observation	Date Completed
Angles and Symmetry	*			
 Name, measure and draw angles to + 2 degree of accuracy 	**			

Transformation	*			
Interpret a coordinate system to				
locate and plot a point on a grid	**			

Data Handling and Analysis				
 Display data in a variety of more 	\star			
complex ways	**			

Baljaffray Primary School	Making Maths Memorable (M ³)	Primary 5	Context:	BALAAFFRA
Area of Numeracy and Maths	Differentiated Activities	Resources	Assessment and Observation	Date Completed
 Ideas of Chance and Uncertainty Predict and explain outcomes using appropriate vocabulary; 50:50 equal chance 	★ ★★			

Primary 5

Context:



Block 3

Area of Numeracy and Maths	Differentiated Activities	Resources	Assessment and Observation	Date Completed
Estimation and Rounding	*			
 Round any number to the nearest 10 Round numbers to the nearest 100 in context (within 1000) 	**			

Awareness of Number –Counting, Quantities& Number Structure <u>Counting</u>	*			
 Count in thousands, hundreds, tens and ones/units Order numbers beyond 1000 	$\star\star$			
 Identify the next numbers in a forward/backward number sequence 	***			
Awareness of Number –Counting, Quantities& Number Structure <u>Numerals</u>	*			
Order decimal fractions with up to one decimal place	**	-		

Baljaffray Primary School	Making Maths Memorable (M ³)	Primary 5	Context:	RALAPPENT
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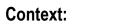
Area of Numeracy and Maths	Differentiated Activities	Resources	Assessment and Observation	Date Completed
Awareness of Number –Counting, Quantities& Number Structure <u>Quantities</u>	*			
Use pictorial representations to show different numbers	**	_		

Quantities& Number Structure Place Value	*			
Order numbers beyond 1000Compare numbers beyond 1000	**			
	***	_		
Addition and Subtraction Identify common misconceptions in 	*			
addition and subtraction • Round numbers to the nearest 10 / 100	**	-		



Area of Numeracy and Maths	Differentiated Activities	Resources	Assessment and Observation	Date Completed
Multiplication and Division	*			
 Multiply 2-digit number by 2-digit number Use the commutative law for multiplication 2 ×4 = 4 × 2 	**			
 Use the distributive law 3 × (2 + 4) = 3×2 + 3×4 0r 3 x 204 = 3 x 200 + 3 x 4 Use the associative law to multiply 3 numbers 2x3x4 = 6x4=24 or 2x3x4=2x12=24 	***			
Fractions, Decimals and PercentagesCalculate simple fraction of a quantity	*			
	**			

 Money Solve money problems using 4 operations 	*			
	**			





Area of Numeracy and Maths	Differentiated Activities	Resources	Assessment and Observation	Date Completed
Time	*			
Calculate time intervals bridging across several hours	**	_		
	***	_		
Measurement	*			
Length, Mass, Perimeter, Area, Volume				
• Know that ¹ / ₂ metre = 50 cm				
 Estimate the weight of an object to 1, ¹/₂ and ¹/₄ kg 	$\star\star$			
 Measure accurately perimeter of irregular shapes using cm. 				
 Calculate the area of squares and rectangles using the formula A = I x b 	***	-		
 Measure volume of cubes /cuboids 				
using concrete cubes Patterns and Relationships				
	×			
 Explain a rule and extend a sequence 				
	**	-		

Baljaffray Primary SchoolMaking Maths Memorable (M3)

Primary 5





Area of Numeracy and Maths	Differentiated Activities	Resources	Assessment and Observation	Date Completed
Expressions and Equations	*			
• Express and solve missing number problems algebraically x-30 = 40 and 4B = 20	**	_		

mpact on the World	*			
 Research historical number systems and how they have changed over time 	**			

2D Shape and 3D Objects	*			
 Use and create nets for 3D shapes 				
	**			

Making Maths Memorable (M³)

Primary 5





Area of Numeracy and Maths	Differentiated Activities	Resources	Assessment and Observation	Date Completed
 Angles and Symmetry Draw simple triangles given angles and lengths Use knowledge of angles to calculate missing angles 	★ ★★			

 Transformation Interpret a coordinate system to locate and plot a point on a grid 	★ ★★			

 Data Handling and Analysis Display data in a variety of more complex ways 	★			

Baljaffray Primary School	Making Maths Memorable (M ³)	Primary 5	Context:	MALAAPERAT
Area of Numeracy and Maths	Differentiated Activities	Resources	Assessment and Observation	Date Completed
 Ideas of Chance and Uncertainty Conduct experiments involving chance and probability. Heads or tails / red or black 	★ ★★ ★★★	_		

Context:



Block 4

Differentiated Activities	Resources	Assessment and Observation	Date Completed
*			
**			
***	-		
*			
**	-		

*			
**	-		
***	-		
	$\begin{array}{c} \star \\ \star $	$\begin{array}{c} \star \\ \star $	Differentiated Activities Resources Observation * * * * *

Baljaffray Primary School	Making Maths Memorable (M ³)	Primary 5	Context:	ALL ARTERNA
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Area of Numeracy and Maths	Differentiated Activities	Resources	Assessment and Observation	Date Completed
Awareness of Number –Counting, Quantities& Number Structure <u>Quantities</u>	*			
Match numerals to pictorial representations or concrete materials	$\star\star$			
	***	_		
Quantities& Number Structure <u>Place Value</u>	*			
• Multiply and divide a one/two digit number by 10 and identify the value of the digits in the answer	**			
	***	_		
Addition and Subtraction	*			
 Estimate & use inverse to check answers Add and subtract decimals up to 2 decimal places 	**			



Area of Numeracy and Maths	Differentiated Activities	Resources	Assessment and Observation	Date Completed
Multiplication and Division	*			
 Divide a 3-digit number using short division Derive multiplication and division facts from three digit numbers Recognise factors of a number 	**			

Fractions, Decimals and Percentages	*			
 Recognise and write decimal equivalents of any number of tenths of hundredths Recognise and write decimal equivalents to ¼, ½, 1/3 	**	_		
	***	-		
Money	*			
 Select appropriate strategies to solve money problems 	**	_		
	***	_		





Area of Numeracy and Maths	Differentiated Activities	Resources	Assessment and Observation	Date Completed
Time	*			
Use calendars and timetables to plan events	**	-		

Measurement Length, Mass, Perimeter, Area, Volume • Convert between / m and mm/cm writing in	*			
 decimal form to 1 d.p Estimate the weight of an object to 1 ½ and ¼ kg Calculate accurately the perimeter of 	**			
 irregular shapes using cm Understand link between formula and known multiplication facts Measure volume of cubes /cuboids using 	***			
concrete cubes Patterns and Relationships Explain a rule and extend a sequence	*			
	**			





Area of Numeracy and Maths	Differentiated Activities	Resources	Assessment and Observation	Date Completed
 Expressions and Equations To use simple formula to generate, express and describe linear number sequences 	*			
004001000	***	-		
 Impact on the World Research historical number systems and how they have changed over time 	★ ★★	-		
	***	-		
2D Shape and 3D ObjectsExtend the range of 3D objects	*	_		
	***	_		

Making Maths Memorable (M³)

Primary 5



Area of Numeracy and Maths	Differentiated Activities	Resources	Assessment and Observation	Date Completed
Angles and Symmetry	*			
 Complete & create symmetrical shapes / patterns with vertical, horizontal & diagonal lines of symmetry Identify line symmetry on a wide 	**			
range of 2D shapes and completes symmetrical patterns with and without digital technology	***			
Transformation	*			
 Interpret a coordinate system to locate and plot a point on a grid 	<u>^</u>			
	**			

Data Handling and Analysis	↓			
Select appropriate questions for a				
survey to gather information required	**	_		

Baljaffray Primary School	Making Maths Memorable (M ³)	Primary 5	Context:	MALJAPERAT
Area of Numeracy and Maths	Differentiated Activities	Resources	Assessment and Observation	Date Completed
 Ideas of Chance and Uncertainty Conduct experiments involving chance and probability. Heads or tails / red or black 	★ ★★ ★★★	_		

Primary 5

Context:



Block 5

Area of Numeracy and Maths	Differentiated Activities	Resources	Assessment and Observation	Date Completed
Estimation and Rounding	*			
 Understand value of tenths Round numbers with one decimal place to nearest whole number 	**			

Awareness of Number –Counting, Quantities& Number Structure <u>Counting</u>	*			
 Understand that zero is not the end point on the number line Count backwards and forwards 	**			
through zero to include negative numbers using a number line	***			
Awareness of Number –Counting, Quantities& Number Structure <u>Numerals</u>	*			
• Describe and extend number sequences involving decimal fractions with one decimal place	**			

Baljaffray Primary School Making Maths Memorable (M ³) Primary 5)
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Area of Numeracy and Maths	Differentiated Activities	Resources	Assessment and Observation	Date Completed
Awareness of Number –Counting, Quantities& Number Structure <u>Quantities</u>	*			
 Estimate numbers using different representations 	**	_		
	***	_		
Quantities& Number Structure <u>Place Value</u>	*			
• Multiply and divide a one digit number by 100 and identify the value of the digits in the answer	**			

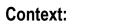
Addition and Subtraction	*			
 Solve two step word problems for addition and subtraction 	**			

Baljaffray Primary SchoolMaking Maths Memorable (M3)Primary 5



Area of Numeracy and Maths	Differentiated Activities	Resources	Assessment and Observation	Date Completed
Multiplication and Division	*			
 Solve problems using scaling Solve two step word problems 	**			

Fractions, Decimals and Percentages	*			
• Compare numbers with the same number of decimal places (up to 2 decimal places	**			
 Link fractions, decimals and measures (using a number line) 	***	_		
Money	*			
 Buying within a budget 	**	_		

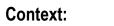




Area of Numeracy and Maths	Differentiated Activities	Resources	Assessment and Observation	Date Completed
Time	*			
 Introduce the links between speed, distance, time 	**	_		
	***	_		
Measurement	*			
Length, Mass, Perimeter, Area, Volume Onvert between / m and mm/cm	\sim			
writing in decimal form to 1 d.p		_		
Choose appropriate unit of measure when estimating weight	××			
Draw different shapes with equal				
 perimeters Draw different shapes with equal areas Know notation cubic cm (cm³) 	***			
Patterns and Relationships	★			
Applies knowledge to create a number				
pattern	**	_		
	* * *	-		

Making Maths Memorable (M³)

Primary 5





Area of Numeracy and Maths	Differentiated Activities	Resources	Assessment and Observation	Date Completed
Expressions and Equations	*			
 To use simple formula to generate, express and describe linear number sequences 	**			

Impact on the World	*			
• Research historical number systems and how they have changed over time	^ ★★	_		
	***	_		
2D Shape and 3D Objects	*			
 Extend knowledge of properties of 3D objects 	**	_		

Baljaffray Primary SchoolMaking Maths Memorable (M3)

Primary 5



Differentiated Activities	Resources	Assessment and Observation	Date Completed
*			
**	_		

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×			
**			

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$\star\star$			

	*	$\begin{array}{c} \\ \star \\ \\ \star \\ \\ \star \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $	Differentiated Activities Resources Observation ** ** ** **

Baljaffray Primary School	Making Maths Memorable (M ³)	Primary 5	Context:	Matuarenan
Area of Numeracy and Maths	Differentiated Activities	Resources	Assessment and Observation	Date Completed
 Ideas of Chance and Uncertainty Conduct experiments involving chance and probability. Heads or tails / red or black 	★ ★★ ★★★			