

2021 RECOVERY ANNUAL TEACHING PLAN – FOUNDATION PHASE - CONTENT OVERVIEW: MATHEMATICS: GRADE R – 3

		GRADE R	GRADE 1	GRADE 2	GRADE 3
CONTENT AREA	NUMBERS, OPERATIONS AND RELATIONSHIPS	<ul style="list-style-type: none"> Count concrete objects up to 10. Count forwards and backwards up to 10 Read and write number symbols up to 10 Read and write number names up to 5 Compare and order numbers up to 10. Addition and subtraction in context and context free up to 10 Money problems up to R10 	<ul style="list-style-type: none"> Count concrete objects up to 100. Count forwards and backwards up to 100 Read and write number symbols up to 20. Read and write number names up to 10. Compare and order objects to up 20. Compare and order numbers up to 20. Place value: Tens and Ones up to 20 Number bonds up to 10 Mental Maths up to 20 Addition and subtraction in context and context free up to 20 Addition and subtraction facts up to 20 Repeated addition leading to multiplication up to 20. Grouping and sharing up to 20. Money problems up to R20 	<ul style="list-style-type: none"> Count concrete objects up to 200. Count forwards and backwards up to 200 Read and write number symbols up to 200. Read and write number names up to 100. Compare and order numbers up to 200. Place value: Hundreds, Tens and Ones up to 200 Number bonds up to 20 Addition and subtraction in context and context free up to 100 Multiplication up to 100 Grouping and sharing up to 100. Sharing leading to fractions. Money problems up to R100 	<ul style="list-style-type: none"> Count forwards and backwards up to 1000 Read and write number symbols up to 1000. Read and write number names up to 1000. Compare and order numbers up to 1000. Place value: Thousands, Hundreds, Tens and Ones up to 1000 Number bonds up to 30 Addition and subtraction of 3-digit numbers by 3 digits with crossing over to 10s and 100s up to 1000 in context and context free calculations Money (solve money problems and convert between rands and cents) Multiplication: 1-9 times tables 1×10 to 100 Grouping and sharing leading to division up to 100 (with and without remainders) Sharing leading to fractions.
	PATTERNS, FUNCTIONS AND ALGEBRA	<ul style="list-style-type: none"> Geometric patterns 	<ul style="list-style-type: none"> Geometric patterns Number patterns up to 100 	<ul style="list-style-type: none"> Geometric patterns Number patterns up to 200 	<ul style="list-style-type: none"> Geometric patterns Number patterns up to 1 000
	SPACE AND SHAPE	<ul style="list-style-type: none"> 3-D objects 2-D shapes Position, orientation and views 	<ul style="list-style-type: none"> 3-D objects 2-D shapes Position, orientation and views 	<ul style="list-style-type: none"> 3-D objects 2-D shapes Position, orientation and views Symmetry 	<ul style="list-style-type: none"> 3-D objects 2-D shapes Position, orientation and views Symmetry
	MEASUREMENT	<ul style="list-style-type: none"> Time Mass Length Capacity/Volume 	<ul style="list-style-type: none"> Time Mass Length Capacity/Volume 	<ul style="list-style-type: none"> Time Mass Length Capacity/Volume 	<ul style="list-style-type: none"> Time Mass Length Capacity/Volume Perimeter and Area
	DATA HANDLING	<ul style="list-style-type: none"> Collect and sort objects. Represent sorted objects. Discuss sorted collections (integrated with Time; Birthday calendar, Helpers chart, Height chart, Weather chart) 	<ul style="list-style-type: none"> Collect and sort objects. Represent sorted objects. Discuss sorted collections (integrated with Time; Birthday calendar) 	<ul style="list-style-type: none"> Collect and sort objects. Represent sorted objects. Discuss sorted collections: (pictographs with one-to-one correspondence) Analyse and interpret data 	<ul style="list-style-type: none"> Collect and sort objects. (Tallies, Tables) Represent sorted objects: (bar graphs) Discuss sorted collections. Analyse and interpret data

GRADE 2		GRADE 2 CONTENT OVERVIEW			
		TERM 1 (10 WEEKS)	TERM 2 (10 WEEKS)	TERM 3 (10 WEEKS)	TERM 4 (10 WEEKS)
		<ul style="list-style-type: none"> Baseline 	<ul style="list-style-type: none"> Diagnostic 1 	<ul style="list-style-type: none"> Diagnostic 2 	<ul style="list-style-type: none"> Endline/ Preparing for Grade 3
CONTENT AREA	NUMBERS, OPERATIONS AND RELATIONSHIPS	<ul style="list-style-type: none"> Count concrete objects up to 50. Count forwards and backwards to 100 Read and write number symbols up to 100. Compare and Order numbers to 50. Place value to Ten and Ones up to 30 Number bonds to 10 Addition and subtraction in context and context free up to 20 Repeated addition leading to multiplication with answer up to 20. Grouping and Sharing leading to division up to 20 Money up to R50 	<ul style="list-style-type: none"> Count concrete objects up to 100. Count forwards and backwards to 100 Read and write number symbols up to 100. Write number symbols up to 100. Compare and Order numbers to 100. Place value to Ten and Ones up to 50 Number bonds to 15 Addition and subtraction in context and context free up to 50 Repeated addition leading to multiplication up to with answer up to 30. Grouping and Sharing leading to division up to 30 	<ul style="list-style-type: none"> Count concrete objects up to 150. Count forwards and backwards to 150 Read number symbols up to 150. Write number symbols up to 150. Compare and Order numbers to 150. Place value Hundred Tens and Ones up to 100 Number bonds to 20 Addition and subtraction in context and context free up to 75 Repeated addition leading to multiplication up to with answer up to 40 Grouping and Sharing leading to division up to 40 Money up to R100 	<ul style="list-style-type: none"> Count concrete objects up to 200. Place value Hundred, Tens and Ones up to 100 Number bonds to 20 Compare and Order numbers to 200. Addition and subtraction in context and context free up to 100 Multiplication 100 Group and Share up to 100. Repeated addition leading to multiplication up to with answer up to 50 Money up to R100. Grouping and Sharing leading to division up to 50 Share leading to fractions
	PATTERNS, FUNCTIONS AND ALGEBRA	<ul style="list-style-type: none"> Geometric patterns Number patterns up to 100 	<ul style="list-style-type: none"> Geometric patterns (integrated into 2-D shapes) 	<ul style="list-style-type: none"> Number patterns up to 150 	<ul style="list-style-type: none"> Number patterns (integrated into counting) 200
	SPACE AND SHAPE	<ul style="list-style-type: none"> 3-D objects (integrated into Data handling) 	<ul style="list-style-type: none"> 2-D shapes (integrated with Data handling) Symmetry 	<ul style="list-style-type: none"> Position and directions (around the classroom) 	
	MEASUREMENT	<ul style="list-style-type: none"> Time Length (cm, metre) 	<ul style="list-style-type: none"> Time Mass (g, kilograms) 	<ul style="list-style-type: none"> Time Volume and capacity (ml, litre) 	<ul style="list-style-type: none"> Time (Integrated into 4 basic operations through word problems)
	DATA HANDLING	<ul style="list-style-type: none"> Collect and sort objects. Represent sorted objects. Discuss sorted collections (pictographs with one-to-one correspondence) Analyse and interpret data 	<ul style="list-style-type: none"> (Integrated with other content areas) 	<ul style="list-style-type: none"> (Integrated with other content areas) 	<ul style="list-style-type: none"> (Integrated with other content areas)
CORE CONCEPTS, SKILLS AND VALUES		<ul style="list-style-type: none"> Read and write number symbols up to 100. Compare and Order numbers up to 50. Identify Place value to 50. Repeated addition leading to multiplication. Copy, extend and describe simple geometric and number patterns. Identify, recognise and name 3-D objects. calculate elapsed time and interpret calendar. Estimate, measure, compare, order, and record length Analyse and interpret data 	<ul style="list-style-type: none"> Read and write number symbols up to 100. Compare and Order numbers up to 100. Identify Place value to 100. Add and subtract up to 50 Repeated addition leading to multiplication. Copy, extend and describe simple geometric and number patterns Identify and name 2-D shapes. Draw and identify symmetry in shapes, Calculate and elapsed time. Estimate, measure, compare, order, and record Mass 	<ul style="list-style-type: none"> Count forwards and backwards up to 200 Identify Place value up to 150. Add and subtract up to 75. Multiply two digits by a single digit Recognise SA currency Copy, extend and describe simple geometric and number patterns. Interpret and answer questions about simple maps. Calculate elapsed time and interpret calendar. Estimate, measure, compare, order, and record Capacity 	<ul style="list-style-type: none"> Count forwards and backwards up to 200 Identify Place value to 200. Add and subtract up to 100 Multiply two digits by single digit Solve money problems up to R50. Copy, extend and describe simple geometric and number patterns. Tell and calculate elapsed time, interpret calendar.
PRE-REQUISITE PRE-KNOWLEDGE		<ul style="list-style-type: none"> Compare collections of objects according to many, fewer, most, least, the same as, less than, more than etc. Describe and order numbers in a number line up to 10 (from smallest to greatest, from greatest to smallest, before, after, between) Read and write number symbols up to 25. Copy and extend simple Geometric patterns using physical objects and drawings. Addition and subtraction in context and context free up to 10 Bonds to 10 Grouping and Sharing up to 20 Repeated addition leading to multiplication up to 20 	<ul style="list-style-type: none"> Compare collections of objects according to many, fewer, most, least, the same as, less than, more than etc. Describe and order numbers in a number line up to 10 (from smallest to greatest, from greatest to smallest, before, after, between) Addition and subtraction in context and context free up to 20 Solve word problems in context and explain own solutions to problems that involve equal sharing and grouping up to 10 with answers that may include remainders. Bonds to 15 Grouping and Sharing up to 30 Copy and extend simple Geometric patterns using physical objects and drawings. 	<ul style="list-style-type: none"> Read number symbols up to 50 Write number symbols up to 50. Compare and Order numbers to 50.. Place value to 100 Number bonds to 20 Grouping and Sharing up to 40. Addition and subtraction in context and context free up to 50 Multiplication 20 	<ul style="list-style-type: none"> Place value to 100 Number bonds to 20 Addition and subtraction in context and context free up to 50 Multiplication 50 Grouping and Sharing up to 40. Money (integrated into word problem solving)
RESOURCES (other than textbook) to enhance learning. See pg. 16 in CAPS for more ideas.		<ul style="list-style-type: none"> DBE Workbook Worksheets/classwork book Counters, Abacus, Number board Play money, Flard cards, Number line. 3-D objects Calendar, clock Strings, pencil, charts 	<ul style="list-style-type: none"> DBE Workbook Worksheets/classwork book Counters, Abacus, Number board Fraction board, strips, and circles Flard cards Cut-out 2-D shapes Bricks, blocks, books, scale Number Line Clock, Calendar 	<ul style="list-style-type: none"> DBE Workbook Worksheets/classwork book Counters, Abacus, Number board, Number Line Play money, Flard cards. Simple maps Bottles, cups, teaspoons Clock, Calendar 	<ul style="list-style-type: none"> DBE Workbook Worksheets/classwork book Counters, Abacus, Number board, Number Line Play money, Flard cards. Clock, Calendar

INFORMAL ASSESSMENT			• Daily activities as in the Core Concepts			
SBA (Formal Assessment)	CONTENT AREA	NO. OF TASKS	WEIGHTING			
			% AS PER CAPS	POSSIBLE NUMBER OF SKILLS	POSSIBLE NUMBER OF SKILLS	POSSIBLE NUMBER OF SKILLS
	NOR	ONE formal task per term	58%	9	11	15
	PFA		10%	1	2	3
	SS		13%	2	3	3
	M		14%	2	3	4
	DH		5%	1	1	1
	TOTAL: 100%		15	20	25	
ASSESSMENT			Term 1-3: Observation and continuous assessment (record observations daily) integrated into lesson time per DBE directive Term 4: Observation and continuous assessment (record observations daily) integrated into lesson time AND Final formative assessment at the end of term (recording and progression meetings-2 weeks)			

2021 Annual Teaching Plan – Term 2: MATHEMATICS: Grade 2

Mathematics Time Allocation:

7 hours per week is allocated for Mathematics. the following break down for the daily lesson is suggested.

PER WEEK: 7 hrs	
PER DAY 1 hr. 24 min × 5 = 7 hrs. (or 1hr 30 min x 4 days plus one 1hour lesson per week) The prescribed time of 7 hours for Maths per week must be observed.	
1. Whole Class Activity: <ul style="list-style-type: none"> Count, Mental Maths (consolidation of concepts) New Concept teaching Classroom Management (allocation of independent activities) 	5 min +10 min 20 min
2. Independent group teaching and independent work (inclusive of the differentiated teaching of new concepts - oral, practical and written activities daily) The teacher is also mindful to plan well for effective for assessment for learning to inform the remediation and teaching.	24 × 2 groups = 48 min
See a suggested group teaching plan below.	
MONDAY	TUESDAY
Group 1 and 3	Group 2 and 3
WEDNESDAY	THURSDAY
Group 1 and 3	Group 2 and 3
FRIDAY	
	Whole class teaching

Term 2 49 days	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
	NUMBER OPERATIONS & RELIATIONSIPS <ul style="list-style-type: none"> Count objects to 50 Count forwards and backwards to 50 Number names and symbols to 50 Group and Share leading to division up to 50 PATTERN FUNCTIONS & ALGEBRA: <ul style="list-style-type: none"> Geometric Patterns 	NUMBER OPERATIONS & RELIATIONSIPS <ul style="list-style-type: none"> Repeated addition leading to Multiplication. Multiplication Solve word problems SPACE & SHAPE: <ul style="list-style-type: none"> 2-D shapes DATA HANDLING: <ul style="list-style-type: none"> Collect and sort objects. Represent sorted objects. Analyse and Interpret data 	NUMBER OPERATIONS & RELIATIONSIPS <ul style="list-style-type: none"> Fractions Doubling and halving Problem solving with solutions including fractions MEASUREMENT: <ul style="list-style-type: none"> Mass DATA HANDLING: <ul style="list-style-type: none"> Collect and sort objects. Represent sorted objects. Analyse and Interpret data 	NUMBER OPERATIONS & RELIATIONSIPS <ul style="list-style-type: none"> Order, Describe and Compare Addition and subtraction Place Value MEASUREMENT: <ul style="list-style-type: none"> Time 	NUMBER OPERATIONS & RELIATIONSIPS <p>Revision:</p> <ul style="list-style-type: none"> Fractions Multiplication up to 50 					
Core Concepts, Skills and Values	Counting: (Number patterns integrated) <ul style="list-style-type: none"> forwards and backwards in 1s (up to 50) & 10s up to 100 from any given number Mental Math: <ul style="list-style-type: none"> Compare and Order a given set of numbers up to 50. 1 more/1 less 10 more/10 less 	Counting: (Number patterns integrated) <ul style="list-style-type: none"> forwards and backwards in 5s & 2s up to 50 from any given number and in multiples Mental Math: <ul style="list-style-type: none"> Add/subtract multiples of 10 up to 100. 5 more/5 less Add/subtract facts up to 15. 	Counting: (Number patterns integrated) <ul style="list-style-type: none"> forwards and backwards in 3s up to 60 from any given number and in multiples Mental Math: <ul style="list-style-type: none"> 2 more/2 less 3 more/3 less Add/subtract up to 18 	Counting: (Number patterns integrated) <ul style="list-style-type: none"> forwards and backwards in 3s up to 99 from any given number and in multiples Mental Math: <ul style="list-style-type: none"> 4 more/4 less Order and compare numbers. Bonds to 20 	Counting: (Number patterns integrated) <ul style="list-style-type: none"> forwards and backwards in 2s & 5s up to 100 from any given number and in multiples Mental Math: <ul style="list-style-type: none"> 4 more/ 4 less 5 more/ 5 less Add/subtract up to 20. 					
	NUMBERS, OPERATIONS & RELIATIONSIPS <ul style="list-style-type: none"> Read and write number names and symbols (0-20) Compare and order numbers (0-20) Addition and Subtraction up to 10 Solve word problems in context and explain own solutions to problems that involve equal sharing and grouping up to 20 with answers that may include remainders. 	NUMBERS, OPERATIONS & RELIATIONSIPS <ul style="list-style-type: none"> Read and write number names and symbols (0-30) Compare and order numbers (0-30) Multiply numbers 1 to 10 by 2 Use appropriate symbols (+, =, ×, □) Solve word problems in context and explain own solutions to problems involving repeated addition and to multiplication with answers up to 30. 	NUMBERS, OPERATIONS & RELIATIONSIPS <ul style="list-style-type: none"> Read and write number names and symbols (0-40) Compare and order numbers (0-40) Repeated addition leading to multiplication with answer up to 20. Use and name fractions including halves, quarters, thirds and fifths. Recognise fractions in diagrammatic form. Write fractions as 1 half, 2 thirds. Solve word problems in context and explain own solutions to problems involving addition and subtraction with answers up to 50. 	NUMBERS, OPERATIONS & RELIATIONSIPS <ul style="list-style-type: none"> Read and write number names and symbols (0-50) Compare and order numbers (0-50) Repeated addition leading to multiplication with answer up to 20. Solve word problems in context and explain own solutions to problems involving addition and subtraction with answers up to 50. Solve word problems in context and explain own solutions to problems that involve equal sharing leading to solutions that include unitary fractions e.g. half, quarter, third, fifth 	NUMBERS, OPERATIONS & RELIATIONSIPS <p>Revision of Term 2</p> <ul style="list-style-type: none"> Addition Subtraction Multiplication 					

Term 2 49 days	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
					<ul style="list-style-type: none"> Solve word problems in context and explain own solutions to problems that involve equal sharing leading to solutions that include unitary fractions e.g. half, quarter, third, fifth <p>NUMERIC PATTERNS</p> <ul style="list-style-type: none"> Copy, extend and describe simple patterns in words (in 2s, 5s & 10s) 		<ul style="list-style-type: none"> Add and subtract problems up to 50. Use appropriate symbols (+, =, -, □) 			
	<p>PATTERNS, FUNCTIONS & ALGEBRA:</p> <p>Geometric patterns</p> <ul style="list-style-type: none"> Copy, extend and describe simple Geometric patterns. 	<p>SPACE & SHAPE: 2-D SHAPES</p> <ul style="list-style-type: none"> Recognise and name 2-D shapes (circle, triangles, squares and rectangles) Describe, sort, and compare 2-D shapes in terms of size and sides. 	<p>PATTERNS, FUNCTIONS & ALGEBRA</p> <p>integrated to counting forwards and backwards.</p> <ul style="list-style-type: none"> Copy, extend and describe simple patterns (in 2s & 5s) 	<p>MEASUREMENT: MASS</p> <ul style="list-style-type: none"> Estimate, measure, compare, order, and record. (using a scale and non-standard measures.) Describe objects by counting and stating in Informal Units. Talk about the comparison e.g. light, heavy, lighter, heavier etc. 	<p>PATTERNS, FUNCTIONS & ALGEBRA</p> <p>integrated to counting forwards and backwards.</p> <ul style="list-style-type: none"> Copy, extend and describe simple patterns (in 3s & 4s) 	<p>MEASUREMENT: TIME</p> <ul style="list-style-type: none"> Read 12 hr time in hours and half hours. Use analogue clock to tell time. Calculate length of time and passing of time. Use clocks to calculate length of time in hours or half hours. 				
STRATEGIES	Number line, Counters,		Number line		Building up and Breaking down; Number line		Doubling and Halving; Number line			Put the large number first
REQUIRED PRE-KNOWLEDGE	<ul style="list-style-type: none"> Compare collections of objects according to many, fewer, most, least, the same as, less than, more than etc. Describe and order numbers in a number line up to 10 (from smallest to greatest, from greatest to smallest, before, after, between) Read and write number symbols up to 25. Copy and extend simple Geometric patterns using physical objects and drawings. Addition and subtraction in context and context free up to 10 Bonds to 10 Grouping and Sharing up to 20 Repeated addition leading to multiplication up to 20 	<ul style="list-style-type: none"> Compare collections of objects according to many, fewer, most, least, the same as, less than, more than etc. Describe and order numbers in a number line up to 10 (from smallest to greatest, from greatest to smallest, before, after, between) Addition and subtraction in context and context free up to 20 Solve word problems in context and explain own solutions to problems that involve equal sharing and grouping up to 10 with answers that may include remainders. Bonds to 15 Grouping and Sharing up to 30 Copy and extend simple Geometric patterns using physical objects and drawings. 	<ul style="list-style-type: none"> Read number symbols up to 50 Write number symbols up to 50. Compare and Order numbers to 50.. Place value to 100 Number bonds to 20 Grouping and Sharing up to 40. Addition and subtraction in context and context free up to 50 Multiplication 20 	<ul style="list-style-type: none"> Place value to 100 Number bonds to 20 Addition and subtraction in context and context free up to 50 Multiplication 50 Grouping and Sharing up to 40. Money (integrated into word problem solving) 	<ul style="list-style-type: none"> Compare collections of objects according to many, fewer, most, least, the same as, less than, more than etc. Describe and order numbers in a number line up to 10 (from smallest to greatest, from greatest to smallest, before, after, between) Read and write number symbols up to 25. Copy and extend simple Geometric patterns using physical objects and drawings. Addition and subtraction in context and context free up to 10 Bonds to 10 Grouping and Sharing up to 20 Repeated addition leading to multiplication up to 20 					
RESOURCES (other than textbook) to enhance learning	<p>DBE Workbook:</p> <p>Activity 58, Activity 59, Activity 60, Activity 61, Activity 62, Activity 63</p> <ul style="list-style-type: none"> Number Board 100 and 200 Worksheets/classwork book Counters, abacus, Number line 2-D shapes (cut-outs) 	<p>DBE Workbook:</p> <p>Activity 50, Activity 52, Activity 54 Activity 64(Integrated Data Handling) Activity 36 Activity 44, Activity 56</p> <ul style="list-style-type: none"> Counters, abacus Worksheets/classwork book Number board 100 and 200 Number line 2-D Shapes cut-out and posters 	<p>DBE Workbook:</p> <p>Activity 45, Activity 46, Activity 47, Activity 48, Activity 51, Activity 53 Activity 11 Activity 51,</p> <ul style="list-style-type: none"> Worksheets/classwork book Fraction board, fraction strips and fraction circles Bricks, blocks, books, scale Number line 	<p>DBE Workbook:</p> <p>Activity 44 Activity 37, Activity 38, Activity 39a, and 39b, Activity 41, Activity 42a, and 42b Activity 55, Activity 57a and 57b</p> <ul style="list-style-type: none"> Clock Counters Worksheets/classwork book Number line 	<p>DBE Workbook:</p> <p>Activity 23, Activity 24 Activity 30</p> <ul style="list-style-type: none"> Worksheets/classwork book Multiplication tables Array Diagrams 					
INFORMAL ASSESSMENT	<p>ORAL, PRACTICAL, WRITTEN</p> <ul style="list-style-type: none"> Continuous assessment prevails through observations. The onus is on the teacher to be cognisant of learner progress and vigilant about whether the learner learns meaningfully and with understanding. The teacher aptly records the observations made; this is integrated in the lesson time per DBE directive. 									

Term 2 49 days	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
SBA (Formal Assessment)	ORAL: <ul style="list-style-type: none"> NUMBERS, OPERATIONS & RELATIONSHIPS 		WRITTEN: <ul style="list-style-type: none"> PATTERNS, FUNCTIONS & ALGEBRA NUMBERS, OPERATIONS & RELATIONSHIPS 		PRACTICAL: <ul style="list-style-type: none"> SPACE AND SHAPE 		WRITTEN: <ul style="list-style-type: none"> NUMBERS, OPERATIONS & RELATIONSHIPS. DATA HANDLING 		WRITTEN: <ul style="list-style-type: none"> MEASUREMENT NUMBERS, OPERATIONS & RELATIONSHIPS 	
Formal Assessment must be fair, reliable, and valid . The assessment must reveal what the learner knows, the onus is on the teacher to: <ul style="list-style-type: none"> Teach and assess well for learning gains. (AfL) Use an appropriate form of assessment so that the learner's knowledge and skills can be gauged, and the evidence of attainment can be justified at all times. 										