Grade3

TERM 1

	Major Topics		Sub Topics			Learner Outcomes	Lessons	
1	Number Concept	1	3-digit and 4-digit numbers	A06	Read and write numerals up to 99.	4	16
				B01	Read and write 3-digit and 4-digit numbers in words and figures.		
		2	Use of Place Value	A02	Identify place value in a 3-digit number.	2	
				B02	Identify the place value of any digit in a 3-digit or 4-digit number.		
		3	Expanded Notation	A03	Calculate total value of a 2-digit number.	2	
				B03	Tell the total value of a digit in a 3-digit or a 4-digit number.		
				B04	Explain the difference between place value and total value.		
				B05	Write the expanded notation for 3-digit and 4-digit numbers.		
		4	Compareing Numbers		Compare and order more than three numbers. "More than" "Less than" "Equal to"	1	
		5	Odd and even numbers	A05	Identify odd and even numbers.	1	
				B10	Identify odd and even numbers.		
		6	Number Sequences	A01	Count by 10s to 100.	2	
				B06	Count by 2s, 5s, 10s, 20s, 25s to 100 and beyond.		
		7	Approximation	B13	Round off a 2-digit number to the nearest 10.	3	
		8	Special Numbers	B12	Define and use the words 'pair', 'dozen', 'score',	1	
2	Whole Number Operations 1	1	Addition	A07	Write numbers in addition vertically.	6	19
				B11	Use the commutative property of '+'.		
				C01	Add 1-digit, 2-digit, 3-digit,4-digit numbers up to 3 addends without and with regrouping.		
				C06	Use expression 'sum', 'total' correctly.		
		2	Subtraction	A07	Write numbers in subtraction vertically.	6	
				C02	Subtract up to 4-digit numbers without and with regrouping.		
				C06	Use expression 'difference' correctly.		
		3	Relationship between addition and subtraction	B09	Know and use relationship between and tables.	3	
		4	Multiplication Tables	A04	State multiplication facts up to 5 times tables.	4	
				B07	Recall the multiplication tables of 2, 3, 4, 5, 6.		
3	Money	1	Reading and Writing sums of	A08	Identify the value of coins and notes.	2	12
				D01	Read and write sums of money up to $999.99.		
		2	Concept of value of coins and notes	D03	Make amounts of money using various combinations of notes and coins.	2	
		3	Approximation	D02	Read and write sums of money up to the nearest $1, $10,$100	1	
		4	Bills	D04	Calculate the total cost of a set of items.	5	
				D05	Calculate the total cost of a number of similar items given the cost of 1 item.		
				D06	Calculate change.		
		5	Language associated	D07	Solve 1-step and 2-step word problems involving	2	
				D08	Vocabulary relating to spending.		

TERM 2

Major Topics		Sub Topics			Learner Outcomes	Lessons	
4	Whole Number Operations 2	5	Multiplication	C03	Multiply a 2-digit number by 2, 3, 4, 5, 6, 10 and 100.	6	21
				B11	Use the commutative property of 'x'.		
				C06	Use the expression 'product' correctly.		
		6	Division Tables	B08	Build the division tables for 2, 3, 4, 5, 6.	2	
		7	Division	C04	Divide a 1-digit number and a 2-digit number by a single digit number without remainder.	6	
				C05	Divide a 1-digit, 2-digit and 3-digit number by a single digit without and with remainder.		
		8	Language Associated	C06	Use expression 'into', 'divided by' correctly.	7	
5	Fractions	1	Concept of a Fraction	A09	Distinguish between fractions and wholes.	4	12
				E01	Explain the meaning of numerator and denominator.		
				E02	Identify the proper fractions and improper fractions from a set of fractions.		
		2	Unit Fractions	E03	Identify unit fractions shown in families.	4	
				E04	Find unit fractions of a group of objects.		
				E05	Find the sum of a set of unit fractions.		
		3	Equivalent Fractions	E07	Name sets of equivalent fractions through charts and number lines.	2	
		4	Add. and Sub. with like	E06	Add and subtract fractions with like denominators.	2	
6	Measurement	1	Accurate Measurement of Line Segments	H05	Identify instruments used to measure length, mass/weight, capacity.	3	15
		2	Length	F01	Estimate lengths of objects in metres or centimetres.	3	
				F02	Measure and record lengths of objects in metres or in centimetres.		
				F03	Develop a sense of kilometre as a unit to measure distance.		
		3	Concept of Perimeter	F09	Calculate the perimeter of a shape by finding the distance around the shape.	3	
		4	Weight / Mass	F04	Develop a sense of the gram as a unit to measure for mass.	2	
				F05	Estimate the mass of objects using grams or kilograms.		
				F06	Measure and record the mass of objects using grams and kilograms.		
		5	Capacity	F07	Estimate the capacity of containers.	2	
				F08	Measure and record the capacity of containers using litres, centilitres or millilitres.		
		6	Selection of appropriate units of measurement	A10	Identify instruments used to measure length, mass/weight, capacity.	2	
				F09	Determine the most appropriate unit of length, mass or capacity to use, to measure an item and give reasons for answers.		

TERM 3

ons
21
12
15

7	Time	1	Reading Time and time notation	A11	Tell time on the hour.	8	16
				G01	Tell time on the hour, half hour, quarter hour, five minutes intervals		
				G02	Write the correct notation for time on the hour, half hour, quarter hour, and at five minutes intervals.		
		2	Language Associated with time	G03	Use time vocabulary correctly.	2	
				G04	Write dates correctly using both methods.		
		3	The Calendar	G05	Use a calendar to check the number of days in a month and to calculate the length of time from one date to another date within a given month.	4	
		4	Practice			2	
8	Geometry	1	Concept of an Angle	H01	Explain what an angle is	2	12
		2	Properties of Plain Shapes	A12	Identify 2-D shapes.	3	
				H02	Identify the number of sides and angles in shapes.		
		3	Line of Symmetry	H06	Identify and draw lines of symmetry in shapes.	2	
		4	Solids	A12	Identify 3-D shapes.	5	
				H03	Identify solids in real life and in diagrams.		
				H04	Make 3-dimentional shapes using paper or cardboard.		
9	Graph	1	Pictographs	A13	Read information from pictographs and bar graphs.	5	12
			Drawing tables from data	I04	Draw pictographs from information in a table.		
		2	Bar Graphs	I01	Read information from pictographs and bar graphs, where one picture or bar represents one item; where one picture or bar represents more than one item.	7	
				I02	Show information on a grid, squared paper or given axes by shading the bars.		
				I03	Prepare a table from information in a pictograph or bar graph.		
			Drawing tables from data	I04	Draw bar graphs from information in a table.		

[1] Number Concepts

Sub Topic		Lesson No.	Specific Objective of the plan	Related Pages in the Math Text Book	Unit / Chapter Number	Teaching Materials
1	3-digit and 4-digit numbers	**Pre**				
		1	Count sticks in each group and review concepts of ones, tens and hundreds.	21, 79	U.16 U.73	
		2	Read and write 3-digit numbers in words and figures.	79	U.73	
		3	Read and write 4-digit numbers in figures.			
		4	Read and write 4-digit numbers in words.			
2	Use of Place Value	5	Identify the place value of any digit in a 3-digit number.	6, 7, 32, 33, 78	U.2 U.3 U.26 U.27 U.72	
		6	Identify the place value of any digit in a 4-digit number.			
3	Expanded Notation	7	Write the expanded notation for 3-digit numbers using the total value..	78	U.72	
		8	Write the expanded notation for 4-digit numbers using the total value.			
4	Compareing Numbers	9	Compare and order more than three numbers.	5, 18, 111	U.1 U.14 U.105	
5	Odd and even Numbers	10	Identify odd and even numbers.	91, 92	U.85 U.86	
6	Number Sequences	11	Count by 2s, 5s, 10s to 100.	34, 92	U.28 U.86	
		12	Count by 20s, 25s to 100.	35	U.29	
7	Approximation	13	Explain how to round off.	63	U.57	
		14	Round off a 2-digit number to the nearest 10.			
		15	Round off a 3-digit number to the nearest 10.			
8	Special Numbers	16	Define and use the words 'pair', 'dozen', 'score', 'gross'.	114	U.108	
		Post				

[2] Whole Number Operations 1

Sub Topic		Lesson No.	Specific Objective of the plan	Related Pages in the Math Text Book	Unit / Chapter Number	Teaching Materials
		Pre				
1	Addition	1 2	Add 1-digit and 2-digit numbers without regrouping. (Write numbers in addition vertically)	8,9,10 29A	U.4 U.5 U.6 U.23	
		3 4	Add 1-digit and 2-digit numbers up to 3 addends with regrouping.(Write numbers in addition vertically)	30,31,97 98	U.24 U.25 U.91 U.92	
		5	Use expressions 'sum' and 'total' correctly.			
		6	Add 1-digit,2-digit,3-digit and 4-digit numbers up to 3 addends without and with regrouping.			M1
2	Subtraction	7 8	Subtract 1-digit and 2-digit numbers without regrouping. (Write numbers in addition vertically)	11,39,40 41	U.7 U.33 U.34 U.35	
		9 10	Subtract 1-digit and 2-digit numbers up to 3 addends with regrouping.(Write numbers in subtraction vertically)	70,71,72	U.34 U.35 U.66	
		11	Use expression 'difference' correctly.			
		12	Subtract up to 4-digit numbers without and with			M1
3	Relationship between addition and subtraction	13 14	Discuss the relationship between addition and subtraction using objects or a number line.	93,94,29	U.87 U.88	
		15	Addition and subtraction game	45	U.39	
4	Multiplication Tables	16 17	Review and practice the multiplication table up to 5.	58,59,60 81,102,103	U.52 U.53 U.54 U.75 U.96 U.97	
		18	Memorize the multiplication table for 6.			
		19	Times tables game			M2
		Post				

[3] Money

Sub Topic		Lesson No.	Specific Objective of the plan	Related Pages in the Math Text Book	Unit / Chapter Number	Teaching Materials
		Pre				
1	Reading and Writing sums of	1	Identify the value of coins and notes.	36	U.30	
		2	Read and write sums of money up to $999.99.	36	U.30	
2	Concept of value of coins and notes	3	Make amounts of money using various combinations of notes and coins.	37	U.31	M1
		4				
3	Approximation	5	Read and write sums of money up to the nearest $1, $10, $100	62	U.56	
4	Bills	6	Calculate the total cost of a set of items.	77	U.71	
		7	Calculate the total cost and check it with a calculator.	137	U.131	
		8	Calculate the total cost of a number of similar items given the cost of 1 item.	109	U.103	
		9	Calculate change.	77,108	U.71 U.102	
		10				
5	Language associated	11	Use vocabulary relating to spending: 'expensive','cheap','reduce','increase','total cost','change', 'current price'.	138	U.132	
		12	Practice problem solving			
		Post				

[4] Whole Number Operations 2

Sub Topic		Lesson No.	Specific Objective of the plan	Related Pages in the Math Text Book	Unit / Chapter Number	Teaching Materials
		Pre				
5	Multiplication	20	Multiply 1-digit or 2-digit numbers by 10.	104	U.98	
		21	Multiply 1-digit or 2-digit numbers by 100.			
		22	Multiply a 2-digit number by 2, 3, 4, 5, 6			M3
		23	(Use the commutative property of 'x')			
		24	(Write numbers in subtraction vertically)			M4
		25	PracticeMultiplication problems using expression 'product' correctly.			
6	Division Tables	26	Built the division tables and Multiplication tables up to 6 and find out these relationship.			
7	Division	27				M5
		28	Write numbers in division vertically.			M6
		29	Divide a 1-digit number and a 2-digit number by a 1-digit number without remainder.	86,87,88 89,123,124 125	U.80 U.81 U.82 U.83 U.117 U.118 U.119	
		30				
		31	Use expression 'into', 'divided by' correctly.	122,129,130	U.116 U.123 U.124	
		32	Divide a 1-digit, 2-digit and 3-digit number by a 1-digit without and with remainder.			
		33				M7
8	Language Associated	34	Solve word problems.	57	U.51	
		35	Solve word problems.	112,113	U.106 U.107	
		36	Solve word problems.	115	U.109	
		37	Solve word problems.	116	U.110	
		38	Solve word problems.	118	U.112	
		39	Solve word problems.	135	U.129	
		40	Solve word problems.	136	U.130	
		Post				

[5] Fractions

Sub Topic		Lesson No.	Specific Objective of the plan	Related Pages in the Math Text Book	Unit / Chapter Number	Teaching Materials
		Pre				
1	Concept of a Fraction	1	Distinguish between fractions and wholes.			
		2	Explain the meaning of numerator and denominator.			M1
		3	Explain the concepts of proper fractions and improper fractions.			
		4	Identify the proper fractions and improper fractions from a set of fractions.			
2	Unit Fractions	5	Identify unit fractions.		U.17, U.18, U42	
		6	Find unit fractions 1/2, 1/3 and 1/4 of a group of object.	22, 23, 48		
		7	Find unit fractions of a group of object.	22, 23, 49	U17, U18, U43	
		8	Add unit fractions.	131	U.125	
3	Equivalent Fractions	9	Name sets of equivalent fractions throught charts and number lines.			M1
		10		131	U.125	M2
4	Add. and Sub. with like	11	Add fractions with like denominator.			M2
		12	Subtract fractions with like denominator.			
		Post				

[6] Measurements

Sub Topic		Lesson No.	Specific Objective of the plan	Related Pages in the Math Text Book	Unit / Chapter Number	Teaching Materials
		Pre				
1	Accurate Measurement of Line Segments	1	Compare the legths of different objects or lines. Review the use of 'cm' and 'm' as units for measuring length.			
		2	Use the ruler to measure the length of lines or objects.	134	U.128	
		3	Use the measure to draw lines.		U.10	
2	Length	4	Estimate, measure and record length of objects in metres orcentimetres	14, 15, 42 76, 100	U.11 U.36 U.70 U.94	
		5				
		6	Develop a sense of kilometre as a unit to measure distance.	106	U.100	
3	Concept of perimeter	7	Explain the concepts of perimeter.	106, 107	U.100 U.101	
		8	Calculate the perimeter of a shape by finding the distance around the shape.	106, 107	U.100 U.101	
		9	Calculate the perimeter of squares and rectangles.			
4	Weight / Mass	10	Review the use of 'grams' and 'kilograms' as units for measuring weight and mass.	43, 44	U.37 U.38	
		11			U.89 U.90	
5	Capacity	12	Estimate, measure and record the capacity of containers using litres.	95, 96		
		13	Estimate, Measure and record the capacity of containers using centilitres or millilitres.			
6	Selection of appropriate units of measurement	14	Identify instruments used to measure length, mass / weight, capacity.			
		15	Determine the most appropriate unit of length, mass or capacity to use or to measure an item and give reasons for answers.	132	U.126	
		Post				

[7] *Time*

Sub Topic		Lesson No.	Specific Objective of the plan	Related Pages in the Math Text Book	Unit / Chapter Number	Teaching Materials
		Pre				
1	Reading time and Time notation	1 2	Tell and write the notation for time on the hour and half hour.	24	U.19	
		3	Tell time on the quarter hour.	46	U.40	
		4	Draw the hands in the right place.	25,26,47	U.20 U.21 U.41	
		5	Write correct notation for time on the quarter hour.	47	U.41	
		6 7	Tell time on the five-minute intervals. Draw the hands in the right place.			M1
		8	Write correct notation for time on the five-minute intervals.			M1
2	Language associated with time	9 10	Use the vocabulary correctly: 'a.m.','p.m.','midday','midnight','noon'. Practice problem solving	68,69	U.62 U.63	
3	The Calendar	11 12	Write dates correctly using both methods, 21/05/2003 and 21st May, 2003.	67	U.61	
		13 14	Use a calendar to check the number of days in a month and to calculate the length of time from one date to another date within a given month.	66,127,140	U.60 U.121 U.134	
4	Practice	15 16	Do some exercise in the Math Textbook.	19 128	U.15 U.122	
		Post				

[8] *Geometry*

Sub Topic		Lesson No.	Specific Objective of the plan	Related Pages in the Math Text Book	Unit / Chapter Number	Teaching Materials
		Pre				
1	Concept of an angle	1 2	Explain what an angle is. Have students identify angles in the classroom	53	U.47	
2	Properties of plain shapes	3 4 5	Identify the paroperties in terms of sides and angles in plane shapes -squares, rectangles, triangles.	53	U.47	
4	Lines of symmetry	6	Identify symmetry in shapes.	105	U.99	
		7	Draw lines of symmetry in shapes.	105	U.99	M1
3	Solids	8 9	Identify solids -sphere, cylinder, cone, cube and cuboid.	54	U.48	
		10	Identify solids around us in real life and in diagrams.	54	U.48	
		11 12	Make 3-dimensional shapes using paper or cardboard.	55	U.49	
		Post				