

K to 12 BASIC EDUCATION CURRICULUM

Daily	50 min	50 min	50 min	50 min	50 min	50 min				
Weekly							4 hours	4 hours	4 hours	4 hours

GRADE 1

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
Grade 1- FIRST QUARTER						
Numbers and Number Sense	demonstrates understanding of whole numbers up to 100, ordinal numbers up to 10 th , money up to PhP100 and fractions ½ and 1/4.	<ol style="list-style-type: none"> is able to recognize, represent, and order whole numbers up to 100 and money up to PhP100 in various forms and contexts. is able to recognize, and represent ordinal numbers up to 10th, in various forms and contexts. 	1. visualizes and represents numbers from 0 to 100 using a variety of materials.	M1NS-Ia-1.1	<ol style="list-style-type: none"> BEAM LG Gr.1 Module 2- Sets of Whole Numbers Lesson Guide in Elem. Math Grade 1 p. 70 Lesson Guide in Elementary Mathematics Grade 1. 2012. pp. 70-76, 84-87 	
			2. counts the number of objects in a given set by ones and tens.	M1NS-Ib-2.1	<ol style="list-style-type: none"> Lesson Guide in Elem. Math Grade 1. pp. 49, 54, 73, 84 Elementary Mathematics Grade 1. 2003. pp. 72-74* Lesson Guide in Elementary Mathematics Grade 1. 2012. p. 100 	
			3. identifies the number that is one more or one less from a given number.	M1NS-Ib-3	<ol style="list-style-type: none"> Proded Math. 2A, 2B & 2C: Putting Sets in Order Lesson Guide in Elementary Mathematics Grade 1. 2012. pp. 32-40 Elementary Mathematics Grade 1. 2003. p. 79* 	

K to 12 BASIC EDUCATION CURRICULUM

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
					4. Proded Math. I-A & I-B: More or Less	
			4. composes and decomposes a given number. e.g. 5 is 5 and 0, 4 and 1, 3 and 2, 2 and 3, 1 and 4, 0 and 5.	M1NS-Ic-4	Elementary Mathematics Grade 1. 2003. p. 39*	
			5. regroupes sets of ones into sets of tens and sets of tens into hundreds using objects.	M1NS- Id-5	1. BEAM LG Gr.1 Module 2- Reading and Writing of Whole Numbers 2. Lesson Guides in Elem. Math Grade 1. 2005. pp. 96-99	Beads, Ø16mm
			6. visualizes, represents, and compares two sets using the expressions "less than," "more than," and "as many as."	M1NS-Id- 6	1. BEAM LG Gr.1 Module 2- Sets of Whole Numbers 2. Lesson Guides in Elem. Math Grade 1. 2005. pp. 40-48 3. Lesson Guides in Elem. Math Grade 1. 2010. pp. 40-48, 67-70 4. Proded Math. 5A, 5B, and 5C: Comparing Numbers 5. Lesson Guide in Elementary Mathematics Grade 1. 2012. pp. 40-48, 67-70 6. Elementary Mathematics Grade 1. 2003. pp. 9-11* 7. Proded Math. I-B & I-C: Comparing Numbers	Cuisenaire Rods/Number Sticks, 250 pcs/set
			7. visualizes, represents, and orders sets from least to	M1NS-Ie-7	1. BEAM LG Gr.1 Module 2- Sets of Whole Numbers	

K to 12 BASIC EDUCATION CURRICULUM

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
			greatest and vice versa.		2. Lesson Guide in Elem. Math Grade 1 p. 40 3. Lesson Guides in Elem. Math Grade 1. 2005. pp. 23-32 4. Lesson Guides in Elem. Math Grade 1. 2010. pp. 23-27, 27-32 5. Proded Math. IA, IB and IC: Putting Sets in Order 6. Lesson Guide in Elementary Mathematics Grade 1. 2012. pp. 23-32 7. Proded Math. I-A, I-B & I-C: Putting Sets In Order	
			8. visualizes and counts by 2s, 5s and 10s through 100.	M1NS-Ie-8.1	1. BEAM LG Gr.1 Module 2- Reading and Writing of Whole Numbers 2. Lesson Guide in Elem. Math Grade 1 pp. 76, 79, 82 3. Lesson Guides in Elem. Math Grade 1. 2005. pp. 73-76, 76-78, 79-81, 81-84 4. Lesson Guides in Elem. Math Grade 1. 2010. pp. 76-84 5. Lesson Guide in Elementary Mathematics Grade 1. 2012. pp. 76-84 6. Elementary Mathematics	

K to 12 BASIC EDUCATION CURRICULUM

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
					Grade 1. 2003. pp. 80-81*	
			9. reads and writes numbers up to 100 in symbols and in words.	M1NS-If-9.1	1. BEAM LG Gr.1 Module 2- Reading and Writing of Whole Numbers 2. Lesson Guide in Elem. Math Grade 1 pp. 90, 94 3. Lesson Guides in Elem. Math Grade 1. 2005. pp. 60-64, 87-94 4. Lesson Guides in Elem. Math Grade 1. 2010. pp. 62-67, 90-96 5. Lesson Guide in Elementary Mathematics Grade 1. 2012. pp. 62-66, 90-96	
			10. visualizes and gives the place value and value of a digit in one- and two-digit numbers.	M1NS-Ig-10.1	1. BEAM LG Gr.1 Module 2- Reading and Writing of Whole Numbers 2. Lesson Guide in Elem. Math Grade 1 p. 88 3. Lesson Guides in Elem. Math Grade 1. 2005. pp. 84-87 4. Lesson Guides in Elem. Math Grade 1. 2010. pp. 88-90 5. Lesson Guide in Elementary Mathematics Grade 1. 2012. pp. 88-90	Place Value Pocket Chart
			11. renames numbers into tens and ones.	M1NS-Ig-11	1. Lesson Guide in Elem. Math Grade 1 p. 97 2. Lesson Guide in	

K to 12 BASIC EDUCATION CURRICULUM

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
					Elementary Mathematics Grade 1. 2012. pp. 97-98; 101 3. Elementary Mathematic Grade 1. 2003. pp. 75-76*	
			12. visualizes, represents, and compares numbers up to 100 using relation symbols.	M1NS-Ih-12.1	1. Lesson Guide in Elem. Math Grade 1 p.67 2. Elementary Mathematics Grade 1. 2003. pp. 77-78*	
			13. visualizes, represents, and orders numbers up to 100 in increasing or decreasing order.	M1NS-Ih-13.1	1. Lesson Guide in Elem. Math Grade 1 p. 58 2. Proded Math. 3A, 3B and 3C: Ordering Numbers	
			14. identifies the 1st , 2nd, 3rd, up to 10th object in a given set from a given point of reference.	M1NS-Ii-16.1	1. BEAM LG Gr.1 Module 2- Reading and Writing of Whole Numbers 2. Lesson Guides in Elem. Math Grade 1. 2005. pp. 99-101 3. Lesson Guides in Elem. Math Grade 1. 2010. pp. 102-104 4. Elementary Mathematics. 2003. p. 82 5. Lesson Guide in Elementary Mathematics Grade 1. pp. 102-104	
			15. reads and writes ordinal numbers: 1st, 2nd, 3rd up to 10th.	M1NS-Ii-17.1	1. Lesson Guide in Elem. Math Grade 1 p. 104 2. Lesson Guides in Elem.	

K to 12 BASIC EDUCATION CURRICULUM

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
					Math Grade 1. 2005. pp. 101-103 3. Lesson Guides in Elem. Math Grade 1. 2010. pp. 104-106 4. Lesson Guide in Elementary Mathematics Grade 1. 2012. pp. 104-106 5. Elementary Mathematics Grade 1. 2003. p. 83*	
			16. recognizes and compares coins and bills up to PhP100 and their notations.	M1NS-Ij-19.1	1. BEAM LG Gr.1 Module 2- Reading and Writing of Whole Numbers 2. Lesson Guide in Elem. Math Grade 1 p. 109 3. Elementary Mathematics Grade 1. 2003. p. 129* 4. Lesson Guide in Elementary Mathematics Grade 1. 2012. pp. 112-116	
Grade 1- SECOND QUARTER						
Numbers and Number Sense	demonstrates understanding of addition and subtraction of whole numbers up to 100 including money	is able to apply addition and subtraction of whole numbers up to 100 including money in mathematical problems and real- life situations.	17. illustrates addition as “putting together or combining or joining sets”	M1NS-IIa-23	1. Lesson Guide in Elem. Math Grade 1 p. 123 2. Lesson Guides in Elem. Math Grade 1. 2005. pp. 116-120; 120-124 3. Lesson Guides in Elem. Math Grade 1. 2010. pp. 119-127 4. Lesson Guide in Elementary Mathematics Grade 1. 2012. pp. 119-127	Plastic Chips, 60 pcs/set

K to 12 BASIC EDUCATION CURRICULUM

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
					5. Elementary Mathematics Grade 1. 2003. pp. 37-38*	
			18. visualizes and adds two one-digit numbers with sums up to 18 using the order and zero properties of addition.	M1NS-IIa-26.1	1. BEAM LG Gr.1 Module 4-Addition 2. Lesson Guide in Elem. Math Grade 1 pp. 135, 137 3. Lesson Guides in Elem. Math Grade 1. 2005. pp. 124-137 4. Lesson Guides in Elem. Math Grade 1. 2010. pp. 127-140 5. Lesson Guide in Elementary Mathematics Grade 1. 2012. pp. 127-140 6. Proded Math. II-A: Add or Subtract?	
			19. adds two one-digit numbers using appropriate mental techniques e.g. adding doubles and/or near-doubles.	M1NS-IIa-28.1a	Lesson Guide in Elementary Mathematics Grade 1. 2012. pp. 147-148	
			20. visualizes and adds three one-digit numbers using the grouping property of addition.	M1NS-IIb-26.2	1. BEAM LG Gr.1 Module 4-Addition 2. Lesson Guide in Elem. Math Grade 1 p. 141 3. Lesson Guides in Elem. Math Grade 1. 2005. pp. 140-143 4. Lesson Guides in Elem. Math Grade 1. 2010. pp. 141-143 5. Lesson Guide in	

K to 12 BASIC EDUCATION CURRICULUM

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
					Elementary Mathematics Grade 1. 2012. pp. 141-147 6. Elementary Mathematics Grade 1. 2003. p. 62*	
			21. visualizes and adds two to three one-digit numbers horizontally and vertically.	M1NS-IIb-27.1	1. BEAM LG Gr.1 Module 4-Addition 2. Lesson Guide in Elem. Math Grade 1 p. 144 3. Lesson Guides in Elem. Math Grade 1. 2005. pp. 137-140 4. Lesson Guide in Elementary Mathematics Grade 1. 2012. pp. 141-143; 149 5. Elementary Mathematics Grade 1. 2003. p. 63*	
			22. uses expanded form to explain the meaning of addition with regrouping.	M1NS-IIc-27.2	1. Lesson Guide in Elementary Mathematics Grade 1. 2012. pp. 152-156 2. Elementary Mathematics Grade 1. 2003. p. 90*	
			23. visualizes and adds numbers with sums through 99 without or with regrouping.	M1NS-IIc-27.3	1. BEAM LG Gr.1 Module 4-Addition 2. Lesson Guide in Elem. Math Grade 1 pp. 149, 152 3. Lesson Guides in Elem. Math Grade 1. 2005. pp. 146-148; 149-152 4. Lesson Guides in Elem. Math Grade 1. 2010. pp. 149-152, 152-156	

K to 12 BASIC EDUCATION CURRICULUM

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
					5. Lesson Guide in Elementary Mathematics Grade 1. 2012. pp. 149-155 6. Elementary Mathematics Grade 1. 2003. p. 91* 7. Proded Math. II-A, II-B & II-C: Addition of Whole Numbers (Without Regrouping) 8. Proded Math. II-A: Addition of Whole Numbers (With Regrouping)	
			24. adds mentally two to three one- digit numbers with sums up to 18 using appropriate strategies.	M1NS-IIId-28.1b	1. Lesson Guide in Elem. Math Grade 1 p. 147 2. Lesson Guides in Elem. Math Grade 1. 2005. pp. 143-145 3. Lesson Guides in Elem. Math Grade 1. 2010. pp. 147-149 4. Lesson Guide in Elementary Mathematics Grade 1. 2012. pp.147	
			25. adds mentally two-digit numbers and one-digit numbers with regrouping using appropriate strategies.	M1NS-IIId-28.2		
			26. visualizes and solves one-step routine and non-routine problems involving addition of whole numbers including money with sums up to 99 using appropriate problem	M1NS-IIe-29.1	1. BEAM LG Gr.1 Module 5- Application of Addition 2. Lesson Guide in Elem. Math Grade 1 p. 169 3. Lesson Guides in Elem. Math Grade 1. 2005. pp.	

K to 12 BASIC EDUCATION CURRICULUM

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
			solving strategies.		152-161, 171-177 4. Lesson Guides in Elem. Math Grade 1. 2010. pp. 156-162; 169-175 5. Lesson Guide in Elementary Mathematics Grade 1. 2012. pp. 169-175 6. Proded Math. II-A & II-C: Add or Subtract?	
			27. creates situations involving addition of whole numbers including money .	M1NS-IIe-30.1	Elementary Mathematics Grade 1. 2003. p. 138*	
			28. illustrates subtraction as "taking away" or "comparing" elements of sets.	M1NS-IIf-24	1. BEAM LG Gr.1 Module 6-Subtraction 2. Lesson Guides in Elem. Math Grade 1. 2005. pp. 177-181 3. Lesson Guides in Elem. Math Grade 1. 2010. pp. 175-179 4. Lesson Guide in Elementary Mathematics Grade 1. 2012. pp. 175-184 5. Elementary Mathematics Grade 1. 2003. p. 44*	Plastic Chips, 60 pcs/set
			29. illustrates that addition and subtraction are inverse operations.	M1NS-IIf-25	1. Lesson Guides in Elem. Math Grade 1. 2005. pp. 191-197 2. Lesson Guides in Elem. Math Grade 1. 2010. pp. 184-189 3. Lesson Guide in Elementary Mathematics	

K to 12 BASIC EDUCATION CURRICULUM

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
					Grade 1. 2012. pp.177-189 4. Elementary Mathematics Grade 1. 2003. p. 44*	
			30. visualizes, represents, and subtracts one-digit numbers with minuends through 18 (basic facts)	M1NS-IIg-32.1	1. BEAM LG Gr.1 Module 6-Subtraction 2. Lesson Guide in Elem. Math Grade 1 p. 190 3. Lesson Guides in Elem. Math Grade 1. 2005. pp. 197-201 4. Lesson Guides in Elem. Math Grade 1. 2010. pp. 190-193 5. Lesson Guide in Elementary Mathematics Grade 1. 2012. pp. 190-193 6. Elementary Mathematics Grade 1. 2003. pp. 45-49; 57-61* 7. Proded Math. II-A & II-C: Add or Subtract?	
			31. visualizes, represents, and subtracts one- to two-digit numbers with minuends up to 99 without regrouping.	M1NS-IIg-32.2	1. BEAM LG Gr.1 Module 6-Subtraction 2. Lesson Guide in Elem. Math Grade 1 p. 194 3. Lesson Guides in Elem. Math Grade 1. 2005. pp. 201-204, 208-212 4. Lesson Guides in Elem. Math Grade 1. 2010. pp. 194-197, 201-205 5. Lesson Guide in Elementary Mathematics	

K to 12 BASIC EDUCATION CURRICULUM

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
					Grade 1. 2012. pp. 194-197, 201-205 6. Proded Math. II-A, 16-A & 16-B: Subtraction Without Regrouping	
			32. uses the expanded form to explain subtraction with regrouping.	M1NS-IIh-32.3	Elementary Mathematics Grade 1. 2003. pp. 92-93*	
			33. visualizes, represents, and subtracts one- to two-digit numbers with minuends up to 99 with regrouping.	M1NS-IIh-32.4	1. BEAM LG Gr.1 Module 6-Subtraction 2. Lesson Guide in Elem. Math Grade 1 p. 197 3. Lesson Guides in Elem. Math Grade 1. 2005. pp. 204-208; 213-216 4. Lesson Guides in Elem. Math Grade 1. 2010. pp. 197-201; 205-208 5. Lesson Guide in Elementary Mathematics Grade 1. 2012. pp. 197-201; 205-208 6. Proded Math. 17-A & II-A: Subtraction With Regrouping	
			34. subtracts mentally one-digit numbers from two-digit minuends without regrouping using appropriate strategies.	M1NS-III-33.1	1. BEAM LG Gr.1 Module 6-Subtraction 2. Lesson Guide in Elem. Math Grade 1 p. 209 3. Lesson Guides in Elem. Math Grade 1. 2005. pp. 216-220 4. Lesson Guides in Elem. Math Grade 1. 2010. pp. 209-213	

K to 12 BASIC EDUCATION CURRICULUM

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
					5. Lesson Guide in Elementary Mathematics Grade 1. 2012. pp. 209-213	
			35. visualizes, represents, and solves routine and non-routine problems involving subtraction of whole numbers including money with minuends up to 99 with and without regrouping using appropriate problem solving strategies and tools.	M1NS-III-34.1	1. BEAM LG Gr.1 Module 7-Application of Subtraction 2. Lesson Guide in Elem. Math Grade 1 p. 235 3. Lesson Guides in Elem. Math Grade 1. 2005. pp. 220-231, 242-245 4. Lesson Guides in Elem. Math Grade 1. 2010. pp. 235-238 5. Lesson Guide in Elementary Mathematics Grade 1. 2012. pp. 210, 213-224, 231-232, 234-235	
			36. creates situations involving subtraction of whole number including money.	M1NS-IIj-35.1	1. Lesson Guide in Elementary Mathematics Grade 1. 2012. pp. 233, 236, 238 2. Elementary Mathematics Grade 1. 2003. p. 136*	
Grade 1- THIRD QUARTER						
			37. counts groups of equal quantity using concrete objects up to 50 and writes an equivalent expression. e.g. 2 groups of 5	M1NS-IIIa-37		1. Plastic Chips, 60 pcs/set 2. Square Units/Tiles, 2.54 x 2.54cm, plastic

K to 12 BASIC EDUCATION CURRICULUM

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
			38. visualizes, represents, and separates objects into groups of equal quantity using concrete objects up to 50. e.g. 10 grouped by 5s	M1NS-IIIa-48		Plastic Chips, 60 pcs/set
Numbers and Number Sense	demonstrates understanding of fractions $\frac{1}{2}$ and $\frac{1}{4}$.	is able to recognize, represent, and compare fractions $\frac{1}{2}$ and $\frac{1}{4}$ in various forms and contexts.	39. visualizes and identifies $\frac{1}{2}$ and $\frac{1}{4}$ of a whole object.	M1NS-IIIb-72.1	<ol style="list-style-type: none"> Lesson Guide in Elem. Math Grade 1 pp. 239, 242 Lesson Guides in Elem. Math Grade 1. 2005. pp. 245-248, 249-252 Lesson Guides in Elem. Math Grade 1. 2010. pp. 239-246 Proded Math. 8A, 8B, and 8C: Halves and Fourths Lesson Guide in Elem. Math Gr. 1. 2012. pp. 239-245 Elementary Mathematics Grade 1. 2003. pp. 102-103* Proded Math. I-A, I-B & I-C: Halves and Fourths 	Fraction Set
			40. visualizes, represents, and divides a whole into halves and fourths.	M1NS-IIIc-73	<ol style="list-style-type: none"> BEAM LG Gr.1 Module 8- Fractions Lesson Guide in Elem. Math Grade 1 pp. 246, 249 Lesson Guides in Elem. Math Grade 1. 2005. pp. 252-264 Lesson Guides in Elem. Math Grade 1. 2010. pp. 	Fraction Set

K to 12 BASIC EDUCATION CURRICULUM

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
					246-249; 249-253 5. Lesson Guide in Elementary Mathematics Grade 1. 2012. pp. 246-253 6. Elementary Mathematics Grade 1. 2003. pp. 102-103* 7. Proded Math. I-A, I-B & I-C: Halves and Fourths	
			41. visualizes, and divides the elements of sets into two groups of equal quantities to show halves.	M1NS-IIIC-74.1	1. BEAM LG Gr.1 Module 8- Fractions 2. Lesson Guide in Elem. Math Grade 1 p. 254 3. Lesson Guides in Elem. Math Grade 1. 2005. pp. 264-268 4. Lesson Guides in Elem. Math Grade 1. 2010. pp. 254-258 5. Lesson Guide in Elementary Mathematics Grade 1. 2012. pp. 254-258 6. Elementary Mathematics Grade 1. 2003. p. 107* 7. Proded Math. I-A, I-B & I-C: Halves and Fourths	1. Plastic Chips, 60 pcs/set 2. Square Units/Tiles, 10cm x 10cm, plastic
			42. visualizes, represents, and divides the elements of sets into four groups of equal quantities to show fourths	M1NS-IIId-74.2	1. BEAM LG Gr.1 Module 8- Fractions 2. Lesson Guide in Elem. Math Grade 1 p. 258 3. Lesson Guides in Elem. Math Grade 1. 2005. pp. 268-273	

K to 12 BASIC EDUCATION CURRICULUM

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
					4. Lesson Guides in Elem. Math Grade 1. 2010. pp. 258-262 5. Lesson Guide in Elementary Mathematics Grade 1. 2012. pp. 258-262 6. Elementary Mathematics Grade 1. 2003. p. 109* 7. Proded Math. I-A, I-B & I-C: Halves and Fourths	
			43. visualizes and draws the whole region or set given its $\frac{1}{2}$ and/or $\frac{1}{4}$	M1NS-IIIId-75	1. BEAM LG Gr.1 Module 8- Fractions 2. Lesson Guide in Elementary Mathematics Grade 1. 2012. p. 262	Fraction Set
Geometry	demonstrates understanding of 2-dimensional and 3-dimensional figures.	is able to describe, compare, and construct 2-dimensional and 3-dimensional objects	44. identifies, names, and describes the four basic shapes (square, rectangle, triangle and circle) in 2-dimensional (flat/plane) and 3-dimensional (solid) objects.	M1GE-IIIe-1	1. BEAM LG Gr.2 Module – Shapes 2. Lesson Guide in Elementary Mathematics Grade 3. 2012. pp. 250-253 3. Elementary Mathematics Grade 1. 2003. pp. 117-118* 4. Proded Math. I-B & I-C: Comparing Shapes 5. BALS Video – Shapes and Figures Around Us	
			45. compares and classifies 2-dimensional (flat/plane) and 3-dimensional (solid) figures according to common attributes.	M1GE-IIIe-2	Elementary Mathematics Grade 1. 2003. pp. 119-120*	1. Basic 3-Dimensional Models 2. Pattern Blocks, 250 pcs/set

K to 12 BASIC EDUCATION CURRICULUM

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
Patterns and Algebra	demonstrates understanding of continuous and repeating patterns and mathematical sentences.	is able to apply knowledge of continuous and repeating patterns and number sentences in various situations.	46. draws the four basic shapes.	M1GE-IIIIf-3		
			47. constructs three dimensional objects (solid) using manipulative materials.	M1GE-IIIIf-4		
			48. determines the missing term/s in a given continuous pattern using one attribute (letters/ numbers/events). e.g. A,B,C,D,___ 2,3,___5,6,7 ___,Wed, Thur, Fri Aa, Bb, Cb, __,___	M1AL-IIIg-1		
			49. determines the missing term/s in a given repeating pattern using one attribute(letters, numbers, colors, figures, sizes, etc.). e.g. A,B,C,A,B,C,A,___ ♡♡♡♡ ♡♡ _	M1AL-IIIg-2		
			50. constructs equivalent number expression using addition and subtraction. e.g. $6 + 5 = 12 - 1$	M1AL-IIIh-8	Lesson Guide in Elem. Math Grade 1 p. 184	Number blocks

K to 12 BASIC EDUCATION CURRICULUM

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
			51. identifies and creates patterns to compose and decompose using addition. e.g. $7 = 0 + 7, 1 + 6, 2 + 5, 3 + 4, 4 + 3, 5 + 2, 6 + 1, 7 + 0$	M1AL-IIIi-9	Lesson Guide in Elem. Math Grade 1 pp. 39 – 41; 57 – 63	
			52. visualizes and finds the missing number in an addition or subtraction sentence using a variety of ways e.g. $n + 2 = 5$ $5 - n = 3$	M1AL-IIIj-10	Elementary Mathematics Grade 1. 2003. pp. 41, 59-61*	
Grade 1- FOURTH QUARTER						
Measurement	demonstrates understanding of time and non-standard units of length, mass and capacity.	is able to apply knowledge of time and non-standard measures of length, mass, and capacity in mathematical problems and real-life situations	53. tells the days in a week; months in a year in the right order.	M1ME-IVa-1	<ol style="list-style-type: none"> 1. BEAM LG Gr.1 Module 5- Measurement: Time Measure 2. Lesson Guide in Elem. Math Grade 1 pp. 262, 267 3. Lesson Guides in Elem. Math Grade 1. 2005. pp. 273-280 4. Lesson Guides in Elem. Math Grade 1. 2010. pp. 262-267; 267-270 5. Elementary Mathematics Grade 1. 2003. pp. 150-152* 6. Lesson Guide in Elementary Mathematics Grade 1. 2012. pp. 262-270 	

K to 12 BASIC EDUCATION CURRICULUM

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
			54. determines the day or the month using a calendar.	M1ME-IVa-2	<ol style="list-style-type: none"> 1. Lesson Guide in Elementary Mathematics Grade 1. 2012. p. 268, 270 2. Lesson Guide in Elementary Mathematics Grade 2. 2012. pp. 270-276 3. Elementary Mathematics Grade 1. 2003. p. 149* 4. NFE Accreditation and Equivalency Learning Material. 2001. The Calendar. pp. 4-15 	
			55. tells and writes time by hour, half-hour and quarter-hour using analog clock.	M1ME-IVb-3	<ol style="list-style-type: none"> 1. Lesson Guide in Elem. Math Grade 1 pp. 270, 274, 281 2. Lesson Guides in Elem. Math Grade 1. 2005. pp. 281-284; 284-287; 291-293 3. Lesson Guides in Elem. Math Grade 1. 2010. pp. 270-273; 274-277; 281-283 4. Proded Math. 12A, 12B, 12C and 12D: Telling Time 5. Lesson Guide in Elementary Mathematics Grade 1. 2012. p. 270-277, 281-283 	Demonstration Clock (Manipulative Clock, Blackboard)

K to 12 BASIC EDUCATION CURRICULUM

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
			56. solves problems involving time (days in a week, months in a year, hour, half-hour, and quarter-hour)	M1ME-IVb-4	1. Lesson Guide in Elementary Mathematics Grade 1. 2012. p. 273 2. Elementary Mathematics Grade 1. 2003. p. 148*	
			57. compares objects using comparative words: short, shorter, shortest; long, longer, longest; heavy, heavier, heaviest; light, lighter, lightest.	M1ME-IVc-19	Elementary Mathematics Grade 1. 2003. pp. 3-8*	
			58. estimates and measures length using non- standard units of linear measures.	M1ME-IVd-20	1. BEAM LG Gr.1 Module 10- Linear Measure 2. Lesson Guide in Elem. Math Grade 1 p. 284 3. Lesson Guides in Elem. Math Grade 1. 2005. pp. 294-298 4. Lesson Guides in Elem. Math Grade 1. 2010. pp. 284-288 5. Proded Math. 10A, 10B and 10C: Linear Measure 6. Lesson Guide in Elem. Math Grade 1. 2012. p. 288-292 7. Elementary Mathematics Grade 1. 2003. pp. 161-166* 8. Proded Math. I-A, I-B & I-C: Linear Measure (Non-standard) 9. NFE Accreditation and Equivalency Learning Material. Measuring	

K to 12 BASIC EDUCATION CURRICULUM

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
					Length. 2001.pp.4-9	
			59. estimates and measures mass using non-standard units of mass measure.	M1ME-IVe-21	1. BEAM LG Gr.1 Module 11- Mass Measure 2. Lesson Guide in Elem. Math Grade 1 p. 292 3. Lesson Guides in Elem. Math Grade 1. 2005. pp. 298-302 4. Lesson Guides in Elem. Math Grade 1. 2010. pp. 288-292 5. Lesson Guide in Elem. Math Gr. 1. 2012. pp. 288-289	1. Double-pan Balance, 500g 2. Set of Measuring cups and Spoons
			60. estimates and measures capacity using non-standard unit.	M1ME-IVf-22	1. Lesson Guide in Elem. Math Grade 1 p. 298 2. Lesson Guides in Elem. Math Grade 1. 2005. pp. 308-313 3. Lesson Guides in Elem. Math Grade 1. 2010. pp. 298-304 4. Lesson Guide in Elementary Mathematics Grade 1. 2012. pp. 292; 298-304	
Statistics and Probability	demonstrates understanding of pictographs without scales and outcomes of an event using the terms likely and unlikely to happen.	is able to create and interpret simple representations of data (tables and pictographs without scales) and describe outcomes of familiar events using the terms likely and unlikely to happen.	61. collects data on one variable through simple interview.	M1SP-IVg-1.1		
			62. sorts, classifies, and organizes data in tabular form and presents this into a pictograph without scales.	M1SP-IVg-2.1		
			63. infers and interprets data presented in a pictograph without scales.	M1SP-IVh-3.1		

K to 12 BASIC EDUCATION CURRICULUM

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
			e.g. finding out from the title what the pictograph is all about, comparing which has the least or greatest ...			
			64. solves routine and non-routine problems using data presented in pictograph without scales.	M1SP-IVh-4.1		
			65. tells whether an event is likely or unlikely to happen.	M1SP-IVi-7.1		
			66. describe events in real-life situations using the phrases "likely" or "unlikely to happen". e.g. Tomorrow it will rain.	M1SP-IVj-8.1		

K to 12 BASIC EDUCATION CURRICULUM

GLOSSARY

Accuracy	the quality of being correct and precise.
Applying	the skill of using concepts, procedures, algorithms and other mathematical constructs in practical situations and phenomena.
Communicating	the use of notations, symbols, figures, equations and functions to convey mathematical ideas.
Computing	the skill of calculating using correct algorithms, procedures and tools to arrive at a final exact result.
Conjecturing	the skill of formulating mathematical theories that still need to be proven.
Connecting	the skill of integrating mathematics to other school subjects and other areas in life.
Constructivism	the theory that knowledge is constructed when the learner is able to draw ideas from his/her own experiences and connects them to new ideas that are encountered.
Context	a locale, situation, or set of conditions of students that may influence their study and use of mathematics to develop critical thinking and problem solving skills.
Cooperative Learning	learning that is achieved by working with fellow learners as they all engage in a shared task.
Creativity	the skill of using available procedures in Mathematics and non-conventional methods to solve a problem and produce answers.
Critical Thinking	the intellectually disciplined process of actively and skillfully conceptualizing, applying, analyzing, synthesizing, and/or evaluating information gathered from, or generated by, observation, experience, reflection, reasoning, or communication, as a guide to belief and action (Scriven & Paul, 1987).
Decision-making	the skill of arriving at a choice or decision based on sound, logical procedures and mathematical analyses.
Discovery Learning	learning that is achieved by allowing students to discover new ideas using their experiences (Bruner, 1961).
Estimating	the skill of roughly calculating or judging a numerical value or quantity.
Experiential Learning	learning that occurs by making sense of direct everyday experiences (Kolb, 1984)
Inquiry-based Learning	learning that focuses on students asking questions and finding answers to their questions using their personal experiences.
Knowing and Understanding	meaningful acquisition of concepts that include memorizing and recalling of facts and procedures
Mathematical Problem Solving	finding a solution to a problem that is unknown (Polya, 1945 & 1962).
Modeling	the use of functions and graphs to represent relationships between and among quantities in a phenomenon.
Objectivity	the quality of judging, evaluating and making decisions based on mathematical facts and results without being influenced by subjective conditions.

K to 12 BASIC EDUCATION CURRICULUM

GLOSSARY

Perseverance	firmness in finishing a task despite difficulties and obstacles.
Productivity	the quality of pursuing an activity to arrive at a meaningful and useful result or product.
Proving	the skill of demonstrating the truth or falsity of a theory using reasoning and arguments.
Reasoning	the process of explaining using sound analyses, following the rules of logic.
Reflective Learning	learning that is facilitated by deep thinking.
Representing	the use of figures and shapes, variables, equations and functions to concretize and illustrate quantities and their relationships.
Situated Learning	learning in the same context in which concepts and theories are applied.
Solving	to find the answer to an algebraic or mathematical problem using any procedures and tools available.
Visualizing	using one's creativity and imagination to produce images, pictures and other means to represent and understand mathematical concepts (MATHTED & SEI, 2010).

K to 12 BASIC EDUCATION CURRICULUM

Code Book Legend

Sample: M7AL-IIg-2

LEGEND		SAMPLE		DOMAIN/ COMPONENT	CODE
First Entry	Learning Area and Strand/ Subject or Specialization	Mathematics	M7	Number Sense	NS
	Grade Level	Grade 7		Geometry	GE
Uppercase Letter/s	Domain/Content/ Component/ Topic	Patterns and Algebra	AL	Patterns and Algebra	AL
			-		
Roman Numeral <i>*Zero if no specific quarter</i>	Quarter	Second Quarter	II	Measurement	ME
Lowercase Letter/s <i>*Put a hyphen (-) in between letters to indicate more than a specific week</i>	Week	Week seven	g		
			-		
Arabic Number	Competency	Solves problems involving algebraic expressions	2	Statistics and Probability	SP

K to 12 BASIC EDUCATION CURRICULUM

REFERENCES

- Akihiko Takahashi, Ted Watanabe, and Makoto Yoshida. *English Translation of the Japanese Mathematics Curricula in the course of Study*, (Madison: Global Education Resources L.L.C., 2008). http://ncm.gu.se/media/kursplaner/andralander/Japanese_COS2008Math.pdf
- "Australian Math Curriculum," Australian Curriculum, Assessment and Reporting Authority, accessed May 23, 2013, <http://www.australiancurriculum.edu.au/mathematics/curriculum/f-10?layout=1&y=1&y=2&y=3&y=4&y=5&y=6&s=NA&s=MG&s=SP>
- Bureau of Elementary Education, *2002 Basic Education Curriculum*, (Pasig City: Department of Education, 2002)
- Bureau of Secondary Education, Department of Education. *Basic Education Curriculum*. Pasig City, 2002.
- Bureau of Secondary Education, Department of Education Culture and Sports. *Desired Learning Competencies New Secondary Education Curriculum* Pasig City, 1991.
- Bureau of Secondary Education, Department of Education Culture and Sports. *Desired Learning Competencies Philippine Secondary Schools Learning Competencies*. Pasig City, 1998.
- Bureau of Secondary Education, Department of Education. *Secondary Education Curriculum*. Pasig City, 2010.
- California Department of Education, *California Common Core States Standard: Mathematics (Electronic Edition)*, (California: Department of Education, 2013, 2014), <http://www.cde.ca.gov/be/st/ss/documents/ccssmathstandardaug2013.pdf>
- Ministry of Education Singapore, *Mathematics Syllabus Primary*, (Singapore: Ministry of Education, 2006). <https://www.moe.gov.sg/docs/default-source/document/education/syllabuses/sciences/files/2007-mathematics-%28primary%29-syllabus.pdf>
- South Africa Math Curriculum, *Curriculum and Policy Statement*, (South Africa: Department of Basic Education, 2011), <file:///C:/Users/BLimuaco/Downloads/CAPS%20IP%20%20MATHEMATICS%20GR%204-6%20web.pdf>