

**K to 12 BASIC EDUCATION CURRICULUM**

**GRADE 2**

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
<b>Grade 2- FIRST QUARTER</b>						
<b>Numbers and Number Sense</b>	<ol style="list-style-type: none"> <li>demonstrates understanding of whole numbers up to 1000, ordinal numbers up to 20<sup>th</sup>, and money up to PhP100.</li> <li>demonstrates understanding of addition of whole numbers up to 1000 including money.</li> </ol>	<ol style="list-style-type: none"> <li>is able to recognize, represent, compare, and order whole numbers up to 1000, ordinal numbers up to 20<sup>th</sup>, and money up to PhP100 in various forms and contexts.</li> <li>is able to recognize and represent ordinal numbers up to 20<sup>th</sup> in various forms and contexts.</li> <li>is able to apply addition of whole numbers up to 1000 including money in mathematical problems and real-life situations.</li> </ol>	<ol style="list-style-type: none"> <li>visualizes and represents numbers from 0-1000 with emphasis on numbers 101 – 1 000 using a variety of materials.</li> </ol>	<b>M2NS-Ia-1.2</b>	<ol style="list-style-type: none"> <li>BEAM LG Gr. 2 Module 1- Whole Numbers</li> <li>Lesson Guide in Elem. Math Grade 2 p. 1</li> <li>Lesson Guide in Elem. Math Grade 2. 2005. pp. 1-10</li> <li>Lesson Guide in Elem. Math Grade 2. 2010. pp. 1-5; 5-11</li> <li>Mathematics Kagamitan ng Magaaral Tagalog Grade 2. 2013. pp. 112</li> </ol>	
			<ol style="list-style-type: none"> <li>groups objects in ones, tens, and hundreds.</li> </ol>	<b>M2NS-Ib-2.2</b>	<ol style="list-style-type: none"> <li>Lesson Guide in Elementary Mathematics Grade 2. 2012. p. 4; 10</li> <li>Mathematics for Everyday Life Grade 2. 1999. pp. 2-5*</li> <li>Mathematics Kagamitan ng Magaaral Tagalog Grade 2. 2013. pp. 13-15</li> </ol>	Cuisenaire Rods/Number Sticks, 250 pcs/set
			<ol style="list-style-type: none"> <li>gives the place value and finds the value of a digit in three-digit numbers.</li> </ol>	<b>M2NS-Ib-10.2</b>	<ol style="list-style-type: none"> <li>BEAM LG Gr. 2 Module 1- Whole Numbers</li> <li>Lesson Guide in Elem. Math Grade 2 p.12</li> </ol>	Place Value Pocket Chart

**K to 12 BASIC EDUCATION CURRICULUM**

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	The learner...	The learner...	The learner...			
					3. Lesson Guide in Elem. Math Grade 2. 2005. pp. 10-14 4. Lesson Guide in Elem. Math Grade 2. 2010. pp. 12-15 5. Lesson Guide in Elementary Mathematics Grade 2. 2012. pp. 12-15 6. Mathematics for Everyday Life Grade 2. 1999. pp.20-21* 7. Mathematics Kagamitan ng Magaaral Tagalog Grade 2. 2013. pp. 24-26	
			4. visualizes and counts numbers by 10s, 50s, and 100s.	<b>M2NS-Ib-8.2</b>	1. BEAM LG Gr. 2 Module 1- Whole Numbers 2. Lesson Guide in Elem. Math Grade 2 p.24 3. Lesson Guide in Elem. Math Grade 2. 2005. pp. 23-27 4. Lesson Guide in Elem. Math Grade 2. 2010. pp. 24-28 5. Lesson Guide in Elementary Mathematics Grade 2. 2012. pp. 24-27 6. Mathematics Kagamitan ng Magaaral Tagalog	

**K to 12 BASIC EDUCATION CURRICULUM**

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	The learner...	The learner...	The learner...			
					Grade 2. 2013. pp. 19-20	
			5. reads and writes numbers up to 1 000 in symbols and in words.	<b>M2NS-Ic-9.2</b>	1. BEAM LG Gr. 2 Module 1- Whole Numbers 2. Lesson Guide in Elem. Math Grade 2 p.15 3. Lesson Guide in Elem. Math Grade 2. 2005. pp. 14-17 4. Lesson Guide in Elem. Math Grade 2. 2010. pp. 15-18 5. Lesson Guide in Elementary Mathematics Grade 2. 2012. pp. 15-18 6. Mathematics for Everyday Life Grade 2. 1999. pp. 6-7, 24-25* 7. Mathematics Kagamitan ng Magaaral Tagalog Grade 2. 2013. pp. 16-18; 21-23	
			6. visualizes and writes three-digit numbers in expanded form.	<b>M2NS-Ic-14</b>	1. BEAM LG Gr. 2 Module 1- Whole Numbers 2. Lesson Guide in Elem. Math Grade 2 p.18 3. Lesson Guide in Elem. Math Grade 2. 2005. pp. 17-20 4. Lesson Guide in Elem. Math Grade 2. 2010. pp. 18-21 5. Lesson Guide in Elem.	

**K to 12 BASIC EDUCATION CURRICULUM**

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	The learner...	The learner...	The learner...			
					Math Grade 2. 2012. pp. 18-21 6. Mathematics for Everyday Life Grade 2. 1999. pp. 8-9* 7. Mathematics Kagamitan ng Magaaral Tagalog Grade 2. 2013. pp. 27-28	
			7. visualizes and compares numbers up to 1 000 using relation symbols.	<b>M2NS-Id-12.2</b>	1. BEAM LG Gr. 2 Module 1- Whole Numbers 2. Lesson Guide in Elem. Math Grade 2 p.21 3. Lesson Guide in Elem. Math Grade 2. 2005. pp. 20-23 4. Lesson Guide in Elem. Math Grade 2. 2010. pp. 21-24 5. Lesson Guide in Elementary Mathematics Grade 2. 2012. pp. 21-24 6. Mathematics for Everyday Life Grade 2. 1999. pp. 10-11, 26-27* 7. Mathematics Kagamitan ng Magaaral Tagalog Grade 2. 2013. pp. 28-30	
			8. visualizes and orders numbers up to 1 000 in	<b>M2NS-Id-13.2</b>	1. Mathematics Kagamitan ng	

**K to 12 BASIC EDUCATION CURRICULUM**

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	The learner...	The learner...	The learner...			
			increasing or decreasing order.		1. Magaaral Tagalog Grade 2. 2013. pp. 30-33 2. Proded Math. I-A, I-B & I-C: Ordering Numbers	
			9. identifies the 1st through the 20th with the emphasis on 11th to 20th object in a given set from a given point of reference.	<b>M2NS-Ie-16.2</b>	1. BEAM LG Gr. 2 Module 2- Presenting Whole Numbers 2. Lesson Guide in Elem. Math Grade 2 p.28 3. Lesson Guide in Elem. Math Grade 2. 2005. pp. 27-32 4. Lesson Guide in Elem. Math Grade 2. 2010. pp. 28-33 5. Lesson Guide in Elem. Math Grade 2. 2012. pp. 28-32 6. Mathematics Kagamitan ng Magaaral Tagalog Gr. 2. 2013. pp. 33-36 7. Proded Math. 4-A: Ordinal Numbers	
			10. reads and writes ordinal numbers from 1st through the 20th.	<b>M2NS-Ie-17.2</b>	1. BEAM LG Gr. 2 Module 1- Whole Numbers 2. Lesson Guide in Elem. Math Grade 2. 2005. pp. 32-34 3. Lesson Guide in Elem. Math Grade 2. 2010. pp. 33-36 4. Lesson Guide in Elem.	

**K to 12 BASIC EDUCATION CURRICULUM**

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	The learner...	The learner...	The learner...			
					Math Grade 2. 2012. pp. 33-35 5. Mathematics for Everyday Life Grade 2. 1999. p. 12* 6. Mathematics Kagamitan ng Magaaral Tagalog Grade 2. 2013. pp. 36-40 7. Proded Math. 4-A: Ordinal Numbers	
			11. identifies and uses the pattern of naming ordinal numbers from 1st to the 20th.	<b>M2NS-Ie-18</b>	1. BEAM LG Gr. 2 Module 1- Whole Numbers 2. Lesson Guide in Elem. Math Grade 2 p.40 3. Lesson Guide in Elem. Math Grade 2. 2005. pp. 35-38 4. Lesson Guide in Elem. Math Grade 2. 2010. pp. 36-39 5. Lesson Guide in Elem. Math Grade 2. 2012. pp. 36-39 6. Mathematics for Everyday Life Grade 2. 1999. p. 13* 7. Proded Math. 4-B & 4-C: Ordinal Numbers	
			12. reads and writes money in symbols and in words through PhP100.	<b>M2NS-If-20.1</b>	1. BEAM LG Gr. 1 Module 1- Reading and Writing Whole Numbers 2. Lesson Guide in Elem.	

**K to 12 BASIC EDUCATION CURRICULUM**

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	The learner...	The learner...	The learner...			
					Math Grade 2 p.42 3. Lesson Guide in Elem. Math Grade 2. 2005. pp. 41-43 4. Lesson Guide in Elem. Math Grade 2. 2010. pp. 42-45 5. Lesson Guide in Elem. Math Grade 2. 2012. pp. 42-44 6. Mathematics Kagamitan ng Magaaral Tagalog Grade 2. 2013. pp. 176-182, 193-195	
			13. counts the value of a set of bills or a set of coins through PhP100 (peso-coins only; centavo-coins only; peso-bills only and combined peso-coins and peso-bills).	<b>M2NS-If-21</b>	1. BEAM LG Gr. 2 Module 3- Money 2. Lesson Guide in Elem. Math Grade 2. 2005. pp. 43-47 3. Lesson Guide in Elem. Math Grade 2. 2010. pp. 45-49 4. Lesson Guide in Elem. Math Grade 2. 2012. pp. 45-49 5. Mathematics for Everyday Life Grade 2. 1999. pp. 14, 28-29* 6. Mathematics Kagamitan ng Magaaral Tagalog Grade 2. 2013. pp. 182-193	

**K to 12 BASIC EDUCATION CURRICULUM**

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	The learner...	The learner...	The learner...			
			14. compares values of different denominations of coins and paper bills through PhP100 using relation symbols.	<b>M2NS-If-22.1</b>	1. BEAM LG Gr. 2 Module 3- Money 2. Lesson Guide in Elem. Math Grade 2 p.50 3. Lesson Guide in Elem. Math Grade 2. 2005. pp. 47-50 4. Lesson Guide in Elem. Math Grade 2. 2010. pp. 50-53 5. Lesson Guide in Elem. Math Grade 2. 2012. pp. 50-54 6. Mathematics for Everyday Life Grade 2. 1999. p. 15, 30* 7. Mathematics Kagamitan ng Magaaral Tagalog Grade 2. 2013.195-196	
			15. illustrates the properties of addition (commutative, associative, identity) and applies each in appropriate and relevant situations.	<b>M2NS-Ig-26.3</b>	1. BEAM LG Gr. 2 Module 4- Addition 2. Lesson Guide in Elem. Math Grade 4 p.24 3. DLP Gr. 4 Modules 9, 10, 11; Gr. 5 Module 2 4. Lesson Guide in Elem. Math Grade 2. 2005. pp. 71-78 5. Lesson Guide in Elem. Math Grade 2. 2010. pp. 76-79; 79-83 6. Lesson Guide in Elem. Math Grade 2. 2012.	Plastic Chips, 60 pcs/set



**K to 12 BASIC EDUCATION CURRICULUM**

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	The learner...	The learner...	The learner...			
					pp. 76-82 7. Mathematics Kagamitan ng Magaaral Tagalog Grade 2. 2013. pp. 47-54	
			16. visualizes, represents, and adds 2-digit by 3-digit numbers with sums up to 1000 without and with regrouping .	<b>M2NS-Ig-27.4</b>	1. BEAM LG Gr. 2 Module 4- Addition 2. Lesson Guide in Elem. Math Grade 2 p.59 3. Lesson Guide in Elem. Math Grade 2. 2005. pp. 56-60 4. Lesson Guide in Elem. Math Grade 2. 2010. pp. 59-63; 63-69 5. Lesson Guide in Elem. Math Grade 2. 2012. pp. 62-63; 69-72 6. Mathematics Kagamitan ng Magaaral Tagalog Grade 2. 2013. pp. 40-44 7. Proded Math. II-A: Addition of Whole Numbers With Regrouping 8. Proded Math. II-A: Addition of Whole Numbers Without Regrouping	

**K to 12 BASIC EDUCATION CURRICULUM**

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	The learner...	The learner...	The learner...			
			17. visualizes, represents, and adds 3-digit by 3-digit numbers with sums up to 1000 without and with regrouping.	<b>M2NS-Ih-27.5</b>	1. BEAM LG Gr. 2 Module 4- Addition 2. Lesson Guide in Elem. Math Grade 2 p.59 3. Proded Math. 13A, B and C: Addition of Whole Numbers (Without Regrouping) 4. Proded Math. 15A, B and C: Addition of Whole Numbers (With Regrouping) 5. Lesson Guide in Elem. Math Grade 2. 2012. pp. 59-83 6. Mathematics for Everyday Life Grade 2. 1999. pp. 36-37; 42-43* 7. Mathematics Kagamitan ng Magaaral Tagalog Grade 2. 2013. pp. 45-46 8. Proded Math. II-A: Addition of Whole Numbers With Regrouping 9. Proded Math. II-B: Addition of Whole Numbers Without Regrouping	
			18. adds mentally 1- to 2-digit numbers with sums up to 50 using appropriate	<b>M2NS-Ih-28.3</b>	1. BEAM LG Gr. 2 Module 4- Addition 2. Lesson Guide in Elem.	

**K to 12 BASIC EDUCATION CURRICULUM**

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	The learner...	The learner...	The learner...			
			strategies.		Math Grade 2 p.83 3. Lesson Guide in Elem. Math Grade 2. 2005. pp. 79-82 4. Lesson Guide in Elem. Math Grade 2. 2010. pp. 83-87 5. Lesson Guide in Elem. Math Grade 2. 2012. pp. 83-86 6. Mathematics Kagamitan ng Magaalaral Tagalog Grade 2. 2013. pp. 54-55	
			19. adds mentally 3-digit numbers and 1-digit numbers using appropriate strategies.	<b>M2NS-Ii-28.4</b>	Mathematics Kagamitan ng Magaalaral Tagalog Grade 2. 2013. pp. 56-58	
			20. adds mentally three -digit numbers and tens (multiples of 10 up to 90) using appropriate strategies.	<b>M2NS-Ii-28.5</b>	Mathematics Kagamitan ng Magaalaral Tagalog Grade 2. 2013. pp. 59-60	
			21. adds mentally 3-digit numbers and hundreds (multiples of 100 up to 900) using appropriate strategies.	<b>M2NS-Ii-28.6</b>		

**K to 12 BASIC EDUCATION CURRICULUM**

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	The learner...	The learner...	The learner...			
			22. solves routine and non-routine problems involving addition of whole numbers including money with sums up to 1000 using appropriate problem solving strategies and tools.	<b>M2NS-Ij-29.2</b>	1. BEAM LG Gr. 2 Module – Application of Addition 2. Lesson Guide in Elem. Math Grade 2 p.87 3. Lesson Guide in Elem. Math Grade 2. 2005. pp. 85-93 4. Lesson Guide in Elem. Math Grade 2. 2010. pp. 87-90; 90-92; 92-95; 95-99 5. Lesson Guide in Elem. Math Grade 2. 2012. pp. 87-99 6. Mathematics for Everyday Life Grade 2. 1999. pp. 48-52* 7. Mathematics Kagamitan ng Magaaral Tagalog Grade 2. 2013. pp. 61-69	
			23. creates problems involving addition of whole numbers including money.	<b>M2NS-Ij-30.2</b>		
<b>Grade 2- SECOND QUARTER</b>						
<b>Numbers and Number Sense</b>	demonstrates understanding of subtraction and multiplication of whole numbers up to 1000 including money.	is able to apply subtraction and multiplication of whole numbers up to 1000 including money in mathematical problems and real-life situations.	24. visualizes, represents, and subtracts 2- to 3-digit numbers with minuends up to 999 without and with regrouping.	<b>M2NS-IIa-32.5</b>	1. BEAM LG Gr. 2 Module 6- Subtraction 2. Lesson Guide in Elem. Math Grade 2 p.105 3. Lesson Guide in Elem. Math Grade 2. 2005. pp. 103-107 4. Lesson Guide in Elem.	

**K to 12 BASIC EDUCATION CURRICULUM**

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	The learner...	The learner...	The learner...			
					Math Grade 2. 2010. pp. 105-112 5. Proded Math. 16A, 16B and 16C: Subtraction Without Regrouping 6. Proded Math. 17A, 17B and 17C: Subtraction With Regrouping 7. Lesson Guide in Elem. Math Grade 2. 2012. pp. 105-123 8. Mathematics for Eveyrday Life Grade 2. 1999. pp. 40-41; 44-45* 9. Mathematics for Everyday Use Grade 3. 1997. pp. 60-62* 10. Mathematics Kagamitan ng Magaaral Tagalog Grade 2. 2013. pp. 69-71 11. Proded Math. II-A, II-B & II-C: Subtraction With Regrouping 12. Proded Math. 17-A, 17-B & 17-C: Subtraction With Regrouping 13. Proded Math. II-C: Subtraction Without	

**K to 12 BASIC EDUCATION CURRICULUM**

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	The learner...	The learner...	The learner...			
					Regrouping 14. Proded Math. 16-C: Subtraction Without Regrouping	
			25. subtracts mentally 1-digit numbers from 1- to 3-digit numbers without regrouping using appropriate strategies.	<b>M2NS-IIb-33.2</b>	1. BEAM LG Gr. 2 Module 6- Subtraction 2. LessonGuide in Elem. Math Grade 2 p.123 3. Lesson Guide in Elem. Math Grade 2. 2005. pp. 120-122 4. Lesson Guide in Elem. Math Grade 2. 2010. pp. 123-125 5. Lesson Guide in Elem. Math Grade 2. 2012. pp. 123-125 6. Mathematics Kagamitan ng Magaaraal Tagalog Grade 2. 2013. pp. 72-74	
			26. subtracts mentally 3-digit numbers by tens and by hundreds without regrouping using appropriate strategies.	<b>M2NS-IIb-33.3</b>	Mathematics Kagamitan ng Magaaraal Tagalog Grade 2. 2013. pp. 75-78	
			27. solves routine and non-routine problems involving subtraction of whole numbers including money with minuends up to 1000 using appropriate problem solving strategies and tools.	<b>M2NS-IIc-34.2</b>	1. BEAM LG Gr. 2 Module – Application of Subtraction 2. Lesson Guide in Elem. Math Grade 2 p.126 3. Lesson Guide in Elem. Math Grade 2. 2005. pp. 122-125	

**K to 12 BASIC EDUCATION CURRICULUM**

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	The learner...	The learner...	The learner...			
					4. Lesson Guide in Elem. Math Grade 2. 2010. pp. 126-128 5. Lesson Guide in Elem. Math Grade 2. 2012. pp. 126-128 6. Mathematics Kagamitan ng Magaaral Tagalog Grade 2. 2013. pp. 78-82	
			28. creates problems involving subtraction of whole numbers including money.	<b>M2NS-IIId-35.2</b>		
			29. performs orders of operations involving addition and subtractions of small numbers.	<b>M2NS-IIId-34.3</b>	1. Lesson Guide in Elem. Math Grade 2. 2005. pp. 131-134 2. Mathematics Kagamitan ng Magaaral Tagalog Grade 2. 2013. pp. 83-85	
			30. solves multi-step routine and non-routine problems involving addition and subtraction of 2- to 3-digit numbers including money using appropriate problem solving strategies and tools.	<b>M2NS-IIe-34.4</b>	1. BEAM LG Gr. 2 Module 8- Application of Addition and Subtraction 2. Lesson Guide in Elem. Math Grade 2. 2010. pp. 132-135; 136-139 3. Lesson Guide in Elem. Math Grade 2. 2012. pp. 132-139 4. Mathematics Kagamitan ng Magaaral Tagalog	

**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 2. 2013. pp. 85-96	
			31. creates word problems involving addition and subtraction of whole numbers including money.	<b>M2NS-IIe-35.3</b>		
			32. illustrates multiplication as repeated addition using 32.1 groups of equal quantities 32.2 arrays 32.3 counting by multiples 32.4 equal jumps on the number line	<b>M2NS-IIf-38</b>	1. Lesson Guide in Elem. Math Grade 2 p.140 2. Lesson Guide in Elem. Math Grade 2. 2005. pp. 139-143; 143-147 3. Lesson Guide in Elem. Math Grade 2. 2010. pp. 140-143; 143-148 4. Lesson Guide in Elem. Math Grade 2. 2012. pp. 140-141, 143-146 5. Mathematics for Everyday Life Grade 2. 1999. pp. 58-59* 6. Mathematics Kagamitan ng Magaaraal Tagalog Grade 2. 2013. pp. 97-103	



**K to 12 BASIC EDUCATION CURRICULUM**

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
			33. writes a related equation for each type of multiplication: repeated addition, array, counting by multiples, and equal jumps on the number line.	<b>M2NS-IIf-39</b>	<ol style="list-style-type: none"> <li>1. Lesson Guide in Elem. Math Grade 2 p.148</li> <li>2. Lesson Guide in Elem. Math Grade 2. 2010. pp. 148-151</li> <li>3. Lesson Guide in Elem. Math Grade 2. 2012. pp. 142-145; 147</li> <li>4. Mathematics for Everyday Life Grade 2. 1999. pp. 60-61*</li> <li>5. Mathematics Kagamitan ng Magaaraal Tagalog Grade 2. 2013. pp. 103-109</li> </ol>	
			34. illustrates the property of multiplication that any number multiplied by one (1) is the same number.	<b>M2NS-IIg-40.1</b>	<ol style="list-style-type: none"> <li>1. Lesson Guide in Elem. Math Grade 2 p.157</li> <li>2. Lesson Guide in Elem. Math Grade 2. 2010. pp. 157-160</li> <li>3. Lesson Guide in Elem. Math Grade 2. 2012. pp. 157-159</li> <li>4. Mathematics for Everyday Life Grade 2. 1999. pp. 70-71*</li> <li>5. Mathematics for Everyday Use Grade 3. 1997. pp. 93-95*</li> <li>6. Mathematics Kagamitan ng Magaaraal Tagalog Grade 2. 2013. pp. 109-112</li> </ol>	

**K to 12 BASIC EDUCATION CURRICULUM**

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
			35. illustrates the property of multiplication that zero multiplied by any number is zero.	<b>M2NS-IIg-40.2</b>	1. Lesson Guide in Elem. Math Grade 2 p.160 2. DLP Gr. 4 Module 27 3. Lesson Guide in Elem. Math Grade 2. 2005. pp. 158-160 4. Lesson Guide in Elem. Math Grade 2. 2010. pp. 160-162 5. Lesson Guide in Elem. Math Grade 2. 2012. pp. 160-162 6. Mathematics for Everyday Life Grade 2. 1999. pp. 70-71* 7. Mathematics for Everyday Life Grade 2. 1997. pp. 93-95*	
			36. illustrates the commutative property of multiplication.	<b>M2NS-IIg-40.3</b>	Mathematics Kagamitan ng Magaaraal Tagalog Grade 2. 2013. pp. 112-114	
			37. visualizes multiplication of numbers 1 to 10 by 2,3,4,5 and 10.	<b>M2NS-IIh-41.1</b>	1. BEAM LG Gr. 2 Module – Multiplication 2. Mathematics for Everyday Life Grade 2. 1999. pp. 62-69* 3. Mathematics Kagamitan ng Magaaraal Tagalog Grade 2. 2013. pp. 114-117	
			38. multiplies mentally 2,3,4,5 and 10 using appropriate strategies.	<b>M2NS-IIi-42.1</b>	1. BEAM LG Gr. 2 Module – Multiplication 2. Lesson Guide in Elem.	

**K to 12 BASIC EDUCATION CURRICULUM**

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	The learner...	The learner...	The learner...			
					Math Grade 2 p.166	
			39. solves routine and non-routine problems involving multiplication of whole numbers including money using appropriate problem solving strategies and tools.	<b>M2NS-III-45.1</b>	<ol style="list-style-type: none"> <li>1. BEAM LG Gr. 2 Module – Multiplication</li> <li>2. Lesson Guide in Elem. Math Grade 2 p.169</li> <li>3. Lesson Guide in Elem. Math Grade 2. 2005. pp. 167-170; 173-176</li> <li>4. Lesson Guide in Elem. Math Grade 2. 2010. pp. 169-172; 172-177</li> <li>5. Lesson Guide in Elem. Math Grade 2. 2012. pp. 169-176</li> <li>6. Mathematics for Everyday Life Grade 2. 1999. pp. 80-81*</li> <li>7. Mathematics Kagamitan ng Magaaral Tagalog Grade 2. 2013. pp. 120-122</li> </ol>	
			40. solves routine and non-routine problems involving multiplication and addition or subtraction of whole numbers including money using appropriate problem solving strategies and tools.	<b>M2NS-IIj-45.2</b>	<ol style="list-style-type: none"> <li>1. Lesson Guide in Elem. Math Grade 2 p.177</li> <li>2. Lesson Guide in Elem. Math Grade 2. 2005. pp. 176-180</li> <li>3. Lesson Guide in Elem. Math Grade 2. 2010. pp. 177-180</li> <li>4. Lesson Guide in Elem. Math Grade 2. 2012. pp. 177-180</li> <li>5. Mathematics Kagamitan ng</li> </ol>	

**K to 12 BASIC EDUCATION CURRICULUM**

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
					Magaaral Tagalog Grade 2. 2013. pp. 122-124	
			41. creates problems involving multiplication only and multiplication with addition or subtraction of whole numbers including money with reasonable answers.	<b>M2NS-IIj-46.1</b>		
<b>Grade 2- THIRD QUARTER</b>						
<b>Numbers and Number Sense</b>	1. demonstrates understanding of division of whole numbers up to 1000 including money.  2. demonstrates understanding of unit fractions.	1. is able to apply division of whole numbers up to 1000 including money in mathematical problems and real-life situations.  2. is able to recognize and represent unit fractions in various forms and contexts.	42. visualizes and represents division as equal sharing, repeated subtraction, equal jumps on the number line and using formation of equal groups of objects	<b>M2NS-IIIa-49</b>	1. BEAM LG Gr. 2 Module 11– Application of Division 2. Lesson Guide in Elem. Math Grade 2 p.181 3. Lesson Guide in Elem. Math Grade 2. 2005. pp. 180-183; 195-199 4. Lesson Guide in Elem. Math Grade 2. 2010. pp. 181-184 5. Lesson Guide in Elem. Math Grade 2. 2012. pp. 181-184 6. Mathematics Kagamitan ng Magaaral Tagalog Grade 2. 2013. pp. 124-135	Beads, Ø16mm
			43. creates and writes a related equation for each type of situation: equal sharing, repeated subtraction, equal jumps on the number line,	<b>M2NS-IIIa-50</b>	1. DLP Gr. 3 Module 24 2. Mathematics for Everyday Life Gr. 2. 1999. pp. 86-89* 3. 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...			
			and formation of equal groups of objects.		Kagamitan ng Magaaral Tagalog Grade 2. 2013. pp. 135-145	
			44. visualizes division of numbers up to 100 by 2,3,4,5, and 10 (multiplication table of 2, 3, 4, 5 and 10).	<b>M2NS-IIIb-51.1</b>	<ol style="list-style-type: none"> <li>1. BEAM LG Gr. 2 Module 11– Application of Division</li> <li>2. Lesson Guide in Elem. Math Grade 2. 2005. pp. 186-190</li> <li>3. Mathematics for Everyday Life Grade 2. 1999. pp. 92-99*</li> <li>4. Mathematics Kagamitan ng Magaaral Tagalog Grade 2. 2013. pp. 145-147</li> </ol>	
			45. divides mentally numbers by 2,3,4,5 and 10 using appropriate strategies (multiplication table of 2, 3, 4, 5 and 10).	<b>M2NS-IIIb-52.1</b>	Mathematics Kagamitan ng Magaaral Tagalog Grade 2. 2013. pp. 147-149	
			46. illustrates that multiplication and division are inverse operations.	<b>M2NS-IIIc-53</b>	<ol style="list-style-type: none"> <li>1. DLP Gr. 3 Module 28</li> <li>2. Lesson Guide in Elem. Math Grade 2 p.206</li> <li>3. Lesson Guide in Elem. Math Grade 2. 2005. pp. 200-203</li> <li>4. Lesson Guide in Elem. Math Grade 2. 2010. pp. 202-206</li> <li>5. Lesson Guide in Elem. Math Grade 2. 2012. pp. 202-206</li> </ol>	

**K to 12 BASIC EDUCATION CURRICULUM**

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
					6. Mathematics for Everyday Life Grade 2. 1999. pp. 90-91	
			47. solves routine and non-routine problems involving division of numbers by 2,3,4,5 and 10 and with any of the other operations of whole numbers including money using appropriate problem solving strategies and tools.	<b>M2NS-IIIc-56.1</b>	1. BEAM LG Gr. 2 Module 11– Application of Division 2. Lesson Guide in Elem. Math Grade 2. 2005. pp. 211-214; 217-220; 220-223 3. Lesson Guide in Elem. Math Grade 2. 2010. pp. 215-218 4. Mathematics for Everyday Life Grade 2. 1999. pp. 104-106* 5. Mathematics Kagamitan ng Magaaral Tagalog Grade 2. 2013. pp. 149-154	
			48. creates word problems involving division of whole numbers including money.	<b>M2NS-IIIc-57.1</b>		
			49. visualizes, represents and identifies unit fractions with denominators of 10 and below.	<b>M2NS-IIIId-72.2</b>	1. BEAM LG Gr. 2 Module 13 – Fractions 2. Lesson Guide in Elem. Math Grade 2 p.231 3. Lesson Guide in Elem. Math Grade 2. 2005. pp. 230-239 4. Lesson Guide in Elem. Math Grade 2. 2010. pp. 231-235	

**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 Elem. Math Grade 2. 2012. pp. 231-240 6. Mathematics for Everyday Life Grade 2. 1999. pp. 110-117* 7. Mathematics Kagamitan ng Magaaral Tagalog Grade 2. 2013. pp. 154-157	
			50. reads and writes unit fractions.	<b>M2NS-IIIId-76.1</b>	1. Lesson Guide in Elem. Math Grade 2 p.240 2. Lesson Guide in Elem. Math Grade 2. 2005. pp. 239-244 3. Lesson Guide in Elem. Math Grade 2. 2010. pp. 240-245 4. Lesson Guide in Elem. Math Grade 2. 2012. pp. 240-245 5. Mathematics for Everyday Life Grade 2. 1999. pp. 110-117* 6. Mathematics Kagamitan ng Magaaral Tagalog Grade 2. 2013. pp. 157-158	
			51. compares unit fractions using relation symbols.	<b>M2NS-IIIE-77.1</b>	1. Lesson Guide in Elem. Math Grade 2 p.245 2. Lesson Guide in Elem. Math Grade 2. 2005. pp. 244-248	

**K to 12 BASIC EDUCATION CURRICULUM**

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
					3. Lesson Guide in Elem. Math Grade 2. 2010. pp. 245-249 4. Proded Math. 30A: Comparing Parts of a Whole 5. Proded Math. 30C: Comparing Fractions 6. Lesson Guide in Elem. Math Grade 2. 2012. pp. 245-249 7. Mathematics for Everyday Life Grade 2. 1999. pp. 120-121* 8. Mathematics Kagamitan ng Magaaraal Tagalog Grade 2. 2013. pp. 159-160 9. Proded Math. II-A: Comparing Parts of a Whole 10. Proded Math. II-B: Comparing Parts of a Set 11. Proded Math. II-C: Comparing Fractions	
			52. arranges unit fractions in increasing or decreasing order.	<b>M2NS-IIIe-78.1</b>	Mathematics Kagamitan ng Magaaraal Tagalog Grade 2. 2013. pp. 160-162	



**K to 12 BASIC EDUCATION CURRICULUM**

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
			53. identifies other fractions less than one with denominators 10 and below.	<b>M2NS-IIIe-79.1</b>	1. DLP Gr. 3 Module 35 2. Lesson Guide in Elem. Math Grade 3. 2012. pp. 293-298 3. Mathematics for Everyday Use Grade 3. 1997. pp. 162-165* 4. Mathematics Kagamitan ng Magaaraal Tagalog Grade 2. 2013. pp. 162-164	5.
			54. visualizes similar fractions (using group of objects and number line).	<b>M2NS-IIIIf-72.3</b>	Mathematics Kagamitan ng Magaaraal Tagalog Grade 2. 2013. pp. 165-167	Square Units/Tiles, 10cm x 10cm, plastic
			55. reads and writes similar fractions.	<b>M2NS-IIIIf-76.2</b>	Mathematics Kagamitan ng Magaaraal Tagalog Grade 2. 2013. pp. 168-172	
			56. compares similar fractions using relation symbols.	<b>M2NS-IIIIf-77.2</b>	1. DLP Gr. 3 Module 36 2. Mathematics Kagamitan ng Magaaraal Tagalog Grade 2. 2013. pp. 172-173	
			57. arranges similar fractions in increasing or decreasing order.	<b>M2NS-IIIIf-78.2</b>	1. Lesson Guide in Elem. Math Grade 4 p.205 2. MISOSA 4 – Ordering Similar Fractions 3. Mathematics Kagamitan ng Magaaraal Tagalog Grade 2. 2013. pp. 173-175	

**K to 12 BASIC EDUCATION CURRICULUM**

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
<b>Geometry</b>	demonstrates understanding of straight and curved lines, flat and curved surfaces, basic shapes, symmetry in a line, and tessellations using triangles and squares.	is able to recognize and construct straight and curved lines, flat and curved surfaces, basic shapes and create simple designs that show symmetry in a line and tessellation using triangles and squares.	58. visualizes, identifies, classifies and describes half circles and quarter circles.	<b>M2GE-IIIg-5</b>	Mathematics Kagamitan ng Magaaraal Tagalog Grade 2. 2013. pp. 197-198	
			59. constructs squares, rectangles, triangles, circles, half-circles, and quarter circles using cut-outs and square grids.	<b>M2GE-IIIg-6</b>	Mathematics Kagamitan ng Magaaraal Tagalog Grade 2. 2013. pp. 198-201	Compass, blackboard Geoboard, 11 x 11
			60. identifies shapes/figures that show symmetry in a line.	<b>M2GE-IIIh-7.1</b>	1. BEAM LG Gr. 2 Module Geometry – Tessellations 2. Lesson Guide in Elem. Math Grade 2 p.266 3. Lesson Guide in Elem. Math Grade 2. 2010. pp. 266-270 4. Elementary Mathematics Grade 1. 2003. pp. 122-123 5. Lesson Guide in Elementary Mathematics Grade 2. 2012. pp. 266-269 6. Mathematics Kagamitan ng Magaaraal Tagalog Grade 2. 2013. pp. 201-204 7. Proded Math. 6-A: Describing Shapes	Compass, blackboard
			61. identifies and draws the line of symmetry in a given symmetrical figure.	<b>M2GE-IIIh-7.4a</b>	Proded Math. 6-B: Describing Shapes	Compass, 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...			
			62. creates figures that show symmetry in a line.	<b>M2GE-IIIh-7.2</b>	Mathematics Kagamitan ng Magaaral Tagalog Grade 2. 2013. pp. 205-210	
			63. recognizes shapes that can tessellate.	<b>M2GE-IIIh-8.1</b>	Mathematics Kagamitan ng Magaaral Tagalog Grade 2. 2013. pp. 211-214	
			64. tessellates a surface using triangles and squares.	<b>M2GE-IIIi-8.2</b>	1. Lesson Guide in Elem. Math Grade 2 p.263 2. Lesson Guide in Elem. Math Grade 2. 2005. pp. 262-265 3. Lesson Guide in Elem. Math Grade 2. 2010. pp. 263-266 4. Lesson Guide in Elem. Math Grade 2. 2012. pp. 263-265	Pattern Blocks, 250 pcs/set
			65. identifies straight lines and curves, flat and curved surfaces in a 3-dimensional object. This is not reflected in the performance standards.	<b>M2GE-IIIi-9</b>	Mathematics Kagamitan ng Magaaral Tagalog Grade 2. 2013. pp. 217-219	
			66. explains the differences between straight lines and curved lines, flat surfaces and curved surfaces. This is not reflected in the performance standards.	<b>M2GE-IIIi-10</b>		Basic 3-Dimensional Models

**K to 12 BASIC EDUCATION CURRICULUM**

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
<b>Patterns and Algebra</b>	demonstrates understanding of continuous patterns using two attributes and mathematical sentences involving multiplication and division of whole numbers using 2, 3, 4, 5 and 10 only.	is able to apply knowledge of continuous patterns using two attributes and number sentences involving multiplication and division using 2, 3, 4, 5 and 10 only in various situations.	67. determines the missing term/s in a given continuous pattern using two attributes (any two of the following: figures, numbers, colors, sizes, and orientations, etc.) e.g. 1, A, 2,B,3,C,__,_ ①, ②, ③, ④ _	<b>M2AL-IIIj-3</b>	Mathematics Kagamitan ng Magaaraal Tagalog Grade 2. 2013. pp. 220-228	
			68. visualizes and finds the missing value in a number sentence involving multiplication or division of whole numbers using 2, 3, 4, 5 and 10 only. e.g. $5 \times \_ = 30$ $30 \div \_ = 6$	<b>M2AL-IIIj-11</b>		
<b>Grade 2- FOURTH QUARTER</b>						
<b>Measurement</b>	demonstrates understanding of time, standard measures of length, mass and capacity and area using square-tile units.	is able to apply knowledge of time, standard measures of length, weight, and capacity, and area using square-tile units in mathematical problems and real-life situations.	69. tells and writes time in minutes including a.m. and p.m. using analog and digital clocks.	<b>M2ME-IVa-5</b>	1. BEAM LG Gr. 2 Module 9 – Time Measure 2. Lesson Guide in Elem. Math Grade 2 p.285 3. Lesson Guide in Elem. Math Grade 2. 2005. pp. 284-286; 291-298 4. Lesson Guide in Elem. Math Grade 2. 2010. pp. 285-288 5. Lesson Guide in Elem. Math Grade 2. 2012.	Digital Clock, tabletop  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...			
					pp. 285-288 6. Mathematics for Everyday Life Grade 2. 1999. pp. 144-148* 7. Mathematics for Everyday Use Grade 3. 1997. pp. 196-197* 8. Mathematics Kagamitan ng Magaaral Tagalog Grade 2. 2013. pp. 229-232	
			70. visualizes and finds the elapsed time in days.	<b>M2ME-IVa-6</b>		
			71. visualizes, represents, and solves problems involving time (minutes including a.m. and p.m. and elapsed time in days).	<b>M2ME-IVa-7</b>	1. BEAM LG Gr. 2 Module 9 – Time Measure 2. Lesson Guide in Elem. Math Grade 2 p.304 3. Lesson Guide in Elem. Math Grade 2. 2005. pp. 301-306 4. Lesson Guide in Elem. Math Grade 2. 2010. pp. 304-309 5. Lesson Guide in Elem. Math Grade 2. 2012. pp. 304-308 6. Mathematics for Everyday Life Grade 2. 1999. pp. 148-150* 7. Mathematics for Everyday Use Grade 3. 1997. pp. 198-199* 8. Mathematics Kagamitan ng	

**K to 12 BASIC EDUCATION CURRICULUM**

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
					Magaaral Tagalog Grade 2. 2013. pp. 234-240	
			72. shows and uses the appropriate unit of length and their abbreviation cm and m to measure a particular object.	<b>M2ME-IVb-23</b>	1. Mathematics for Everyday Life Grade 2. 1999. pp. 152-153* 2. Mathematics for Everyday Use Grade 3. 1997. pp. 200-202* 3. Mathematics Kagamitan ng Magaaral Tagalog Grade 2. 2013. pp. 244-248 4. NFE Accreditation and Equivalency Learning Material. Measurement, Perimeter and Circumference. 2001. p.5	Plastic Ruler, 12 inches or 30cm
			73. compares length in meters or centimeters.	<b>M2ME-IVb-24</b>	1. Mathematics for Everyday Life Grade 2. 1999. p. 154* 2. Mathematics Kagamitan ng Magaaral Tagalog Grade 2. 2013. pp. 249-251	
			74. measures objects using appropriate measuring tools in m or cm.	<b>M2ME-IVb-25</b>	1. Lesson Guide in Elem. Math Grade 2 p.309 2. Lesson Guide in Elem. Math Grade 2. 2005. pp. 309-313 3. Lesson Guide in Elem. Math Grade 2. 2010.	

**K to 12 BASIC EDUCATION CURRICULUM**

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
					pp. 309-312 4. Lesson Guide in Elem. Math Grade 2. 2012. pp. 309-312 5. NFE Accreditation and Equivalency Learning Material. Measuring Length. 2001. pp. 10-11	
			75. estimates and measures length using meter or centimeter.	<b>M2ME-IVc-26</b>	1. Lesson Guide in Elem. Math Grade 2 p.312 2. Lesson Guide in Elem. Math Grade 2. 2010. pp. 312-316 3. Lesson Guide in Elem. Math Grade 2. 2012. pp. 312-316 4. Mathematics Kagamitan ng Magaaraal Tagalog Grade 2. 2013. pp. 252-253	
			76. solves routine and non-routine problems involving length.	<b>M2ME-IVc-27</b>	1. Mathematics Kagamitan ng Magaaraal Tagalog Grade 2. 2013. pp. 254-255 2. NFE Accreditation and Equivalency Learning Material. Measurement, Perimeter and Circumference. 2001. pp. 6, 8-9	
			77. shows and uses the appropriate unit of weight	<b>M2ME-IVd-28</b>	1. Mathematics Kagamitan ng	

**K to 12 BASIC EDUCATION CURRICULUM**

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
			and their abbreviations g and kg to measure a particular object.		Magaaraal Tagalog Grade 2. 2013. pp. 256-257 2. NFE Accreditation and Equivalency Learning Material. Measuring Weight Part 1: The Metric & English Systems. 2001. pp. 5-12	
			78. compares mass in grams or kilograms.	<b>M2ME-IVd-29</b>	1. BEAM LG Gr. 2 Module 18 – Mass and Capacity 2. Mathematics for Everyday Life Grade 2. 1999. pp. 160-162* 3. Mathematics Kagamitan ng Magaaraal Tagalog Grade 2. 2013. pp. 258-260	
			79. measures objects using appropriate measuring units in g or kg.	<b>M2ME-IVd-30</b>	1. BEAM LG Gr. 2 Module 18 – Mass and Capacity 2. Lesson Guide in Elem. Math Grade 2 p.317 3. Lesson Guide in Elem. Math Grade 2. 2005. pp. 320-324 4. Lesson Guide in Elem. Math Grade 2. 2010. pp. 317-320 5. Lesson Guide in Elem. Math Grade 2. 2012. pp. 317-319	Weighing Scale, analog, max. 5 kg cap.  Weighing Scale, analog, 1 kg. cap.  Double-pan Balance, 500g



**K to 12 BASIC EDUCATION CURRICULUM**

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
			80. estimates and measures mass using gram or kilogram.	<b>M2ME-IVe-31</b>	1. BEAM LG Gr. 2 Module 18 – Mass and Capacity 2. Lesson Guide in Elem. Math Grade 2 p.323 3. Lesson Guide in Elem. Math Grade 2. 2005. pp. 313-316 4. Lesson Guide in Elem. Math Grade 2. 2010. pp. 323-327 5. Lesson Guide in Elem. Math Grade 2. 2012. pp. 323-327 6. Mathematics for Everyday Life Grade 2. 1999. p. 163* 7. Mathematics Kagamitan ng Magaaral Tagalog Gr. 2. 2013. pp. 261-263	8.
			81. solves routine and non-routine problems involving mass.	<b>M2ME-IVe-32</b>	1. Mathematics for Everyday Life Grade 2. 1999. pp. 164-165* 2. Mathematics for Everyday Use Grade 3. 1997. pp. 220-222* 3. Mathematics Kagamitan ng Magaaral Tagalog Grade 2. 2013. pp. 264-266 4. NFE Accreditation and Equivalency Learning Material. Measuring	5.

**K to 12 BASIC EDUCATION CURRICULUM**

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
					Weight Part 1: The Metric & English Systems. 2001. pp. 30-31, 49-51	
			82. measures objects using appropriate measuring tools in mL or L.	<b>M2ME-IVf-33</b>	1. Lesson Guide in Elem. Math Grade 2. 2005. pp. 336-340 2. Lesson Guide in Elementary Mathematics Grade 2. 2012. pp. 340-343 3. Mathematics Kagamitan ng Magaaral Tagalog Grade 2. 2013. pp. 279-280	1. Liter Volume Set (liter cases) 2. Measuring cup, 250mL, plastic 3. Set of Measuring cups and Spoons
			83. creates problems involving length, mass and capacity.	<b>M2ME-IVf-34</b>		
			84. illustrates area as a measure of how much surface is covered or occupied by a plane figure.	<b>M2ME-IVg-35</b>	1. BEAM LG Gr. 2 Module 12 – Area 2. Lesson Guide in Elementary Mathematics Grade 2. 2012. pp. 331-335 3. Mathematics for Everyday Use Grade 3. 1997. p. 211* 4. Mathematics Kagamitan ng Magaaral Tagalog Grade 2. 2013. pp. 267-270	Geoboard, 11 x 11

**K to 12 BASIC EDUCATION CURRICULUM**

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
			85. finds the area of a given figure using square-tile units i.e. number of square-tiles needed.	<b>M2ME-IVg-36</b>	1. Lesson Guide in Elem. Math Grade 2. 2005. pp. 332-336 2. Lesson Guide in Elementary Mathematics Grade 2. 2012. pp. 335-340 3. Mathematics for Everyday Use Grade 3. 1997. pp. 212-213* 4. Mathematics Kagamitan ng Magaaral Tagalog Grade 2. 2013. pp. 271-273	
			86. estimates the area of a given figure using any shape.	<b>M2ME-IVh-37</b>	Mathematics Kagamitan ng Magaaral Tagalog Grade 2. 2013. pp. 273-278	
			87. solves routine and non-routine problems involving any figure using square tiles.	<b>M2ME-IVh-38</b>	Mathematics for Everyday Use Grade 3. 1997. pp. 214-216*	Square Units/Tiles, 2.54 x 2.54cm, plastic
<b>Statistics and Probability</b>	deepens understanding of pictographs without and with scales and outcomes of an event using the terms likely, equally likely and unlikely to happen.	is able to create and interpret simple representations of data (tables and pictographs without and with scales) and describe outcomes of familiar	88. collects data on one variable using a questionnaire.	<b>M2SP-IVh-1.2</b>	Mathematics for Everyday Use Grade 3. 1997. pp. 232-234*	
			89. sorts, classifies, and organizes data in tabular form and presents this into a pictograph without and with scales.	<b>M2SP-IVi-2.2</b>	Mathematics Kagamitan ng Magaaral Tagalog Grade 2. 2013. pp. 281-284	

**K to 12 BASIC EDUCATION CURRICULUM**

CONTENT	CONTENT STANDARDS	PERFORMANCE STANDARDS	LEARNING COMPETENCY	CODE	LEARNING MATERIALS	MATH EQUIPMENT
	The learner...	The learner...	The learner...			
		events using the terms likely, equally likely and unlikely to happen.	90. infers and interprets data presented in a pictograph without and with scales.	<b>M2SP-IVi-3.2</b>	1. BEAM LG Gr. 3 Module 15 – Pictograph 2. Mathematics Kagamitan ng Magaaraal Tagalog Gr. 2. 2013. pp. 286	
			91. solves routine and non-routine problems using data presented in a pictograph without and with scales.	<b>M2SP-IVi-4.2</b>		
			92. tells whether an event is likely, equally likely, unlikely to happen.	<b>M2SP-IVj-7.2</b>		
			93. describe events in real-life situations using the phrases “likely to happen” or “unlikely to happen” or “equally likely to happen”.	<b>M2SP-IVj-8.2</b>		

## K to 12 BASIC EDUCATION CURRICULUM

### GLOSSARY

<b>Accuracy</b>	the quality of being correct and precise.
<b>Applying</b>	the skill of using concepts, procedures, algorithms and other mathematical constructs in practical situations and phenomena.
<b>Communicating</b>	the use of notations, symbols, figures, equations and functions to convey mathematical ideas.
<b>Computing</b>	the skill of calculating using correct algorithms, procedures and tools to arrive at a final exact result.
<b>Conjecturing</b>	the skill of formulating mathematical theories that still need to be proven.
<b>Connecting</b>	the skill of integrating mathematics to other school subjects and other areas in life.
<b>Constructivism</b>	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.
<b>Context</b>	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.
<b>Cooperative Learning</b>	learning that is achieved by working with fellow learners as they all engage in a shared task.
<b>Creativity</b>	the skill of using available procedures in Mathematics and non-conventional methods to solve a problem and produce answers.
<b>Critical Thinking</b>	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).
<b>Decision-making</b>	the skill of arriving at a choice or decision based on sound, logical procedures and mathematical analyses.
<b>Discovery Learning</b>	learning that is achieved by allowing students to discover new ideas using their experiences (Bruner, 1961).
<b>Estimating</b>	the skill of roughly calculating or judging a numerical value or quantity.
<b>Experiential Learning</b>	learning that occurs by making sense of direct everyday experiences (Kolb, 1984)
<b>Inquiry-based Learning</b>	learning that focuses on students asking questions and finding answers to their questions using their personal experiences.
<b>Knowing and Understanding</b>	meaningful acquisition of concepts that include memorizing and recalling of facts and procedures
<b>Mathematical Problem Solving</b>	finding a solution to a problem that is unknown (Polya, 1945 & 1962).
<b>Modeling</b>	the use of functions and graphs to represent relationships between and among quantities in a phenomenon.
<b>Objectivity</b>	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

<b>Perseverance</b>	firmness in finishing a task despite difficulties and obstacles.
<b>Productivity</b>	the quality of pursuing an activity to arrive at a meaningful and useful result or product.
<b>Proving</b>	the skill of demonstrating the truth or falsity of a theory using reasoning and arguments.
<b>Reasoning</b>	the process of explaining using sound analyses, following the rules of logic.
<b>Reflective Learning</b>	learning that is facilitated by deep thinking.
<b>Representing</b>	the use of figures and shapes, variables, equations and functions to concretize and illustrate quantities and their relationships.
<b>Situated Learning</b>	learning in the same context in which concepts and theories are applied.
<b>Solving</b>	to find the answer to an algebraic or mathematical problem using any procedures and tools available.
<b>Visualizing</b>	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
<b>First Entry</b>	Learning Area and Strand/ Subject or Specialization	Mathematics	<b>M7</b>	Number Sense	NS
	Grade Level	Grade 7		Geometry	GE
<b>Uppercase Letter/s</b>	Domain/Content/ Component/ Topic	Patterns and Algebra	<b>AL</b>	Patterns and Algebra	AL
			-		
<b>Roman Numeral</b> <i>*Zero if no specific quarter</i>	Quarter	Second Quarter	<b>II</b>	Measurement	ME
<b>Lowercase Letter/s</b> <i>*Put a hyphen (-) in between letters to indicate more than a specific week</i>	Week	Week seven	<b>g</b>		
			-		
<b>Arabic Number</b>	Competency	Solves problems involving algebraic expressions	<b>2</b>	Statistics and Probability	SP

## K to 12 BASIC EDUCATION CURRICULUM

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