



Course Description

Subject: Supplementary Mathematics 2

Code: MA12201

Periods: 2 period/ week

Credit: 2.0

Class: Primary 2

Semester: 1 / 2014

Instructor: Mr.Roweno , Ms.Muttareeya

Unit	Indicators
<p>1. Numbers up to 1000</p> <p>1.1 Counting, reading and writing numbers in numerals up to 1000 (ASEAN)</p> <p>1.2 Place values of ones, tens and hundreds</p> <p>1.3 Comparing and ordering numbers up to 1000</p> <p>1.4 Completing the number pattern</p>	<p>Students are able to count, read and write numbers in numerals and in words up to 1000. Recognize and identify the place values of ones, tens and hundreds. Compare and order numbers up to 1000. Complete the number patterns.</p>
<p>2. Addition with 1000</p> <p>2.1 Addition of 2-3 digit numbers without carrying</p> <p>2.2 Addition of 3 digit numbers with carrying</p> <p>2.3 Word problems</p>	<p>Students are able to determine the sum of 2 digit numbers without and with carrying then solve word problems; Determine the sum of 3 digit numbers without and with carrying then solve word problems.</p>
<p>3. Subtraction within 1000</p> <p>3.1 Subtraction of 3 digit numbers without regrouping</p> <p>3.2 Subtraction of 3 digit numbers with regrouping</p> <p>3.3 Word problems and mixed word problems (Local Curriculum)</p>	<p>Students are able to determine the difference of 3 digit numbers without regrouping and with regrouping then solve word problems.</p>
<p>4. Multiplication</p> <p>4.1 Count in steps of 2,3,4,5 and 10</p> <p>4.2 Build up the multiplication table of 2, 3, 4,5 and 10</p> <p>4.3 Multiplication of 2 digit number by 1 digit number.</p> <p>4.4 Solve 1 – step word problems</p>	<p>Students are able to skip counting by 2, 3, 4, 5 and 10. Build up the multiplication table of 2, 3, 4, 5 and 10. Calculate the product of a 2 digit number by 1 digit number from 1 to 5 and solve 1–step word problems.</p>

Unit	Indicators
<p>5. Division</p> <p>5.1 Relate division to multiplication</p> <p>5.2 Build up the division facts of 2, 3, 4,5 and 10</p> <p>5.3 Division with remainder</p> <p>5.4 Solve 1 step word problems</p>	<p>Students are able to relate division to multiplication; Build up the division facts of 2, 3, 4, 5 and 10. Determine the quotient of 2 digit number by 1 digit number from 1 to 5 with a remainder and without a remainder then calculate the quotient of 2 digit numbers by 10 with a remainder and without a remainder. Solve 1 step word problems.</p>
<p>6. Measurements of length, mass and volume</p> <p>6.1 Estimate and measure the length in meters and centimeters (Herbal)</p> <p>6.2 Addition and subtraction of length</p> <p>6.3 Converting meters and centimeters</p> <p>6.4 Word problems in length</p> <p>6.5 Compare and measure masses in kilograms and grams</p> <p>6.6 Addition and subtraction of kilograms and grams</p> <p>6.7 Word problems in mass</p> <p>6.8 Estimate and measure capacity in liters and milliliters</p> <p>6.9 Addition and subtraction of capacity</p> <p>6.10 Word problems in capacity</p>	<p>Students are able to estimate and measure the length in meters and centimeters, the mass in kilograms and grams, and the capacity in liters and milliliters. Identify sums and differences of lengths, masses and volumes. Convert meters to centimeters, kilograms to grams and liters to milliliters and vice versa then solve 1 step word problems. Compare the length in meters and centimeters, the mass in kilograms and grams, and the capacity in liters and milliliters and solve 1 step word problems in length, mass and capacity.</p>
<p>7. Money</p> <p>7.1 Write money in baht and stand up to 1000 baht</p> <p>7.2 Changing money and conversion of baht to satang and satang to baht</p> <p>7.3 Addition and subtraction of money</p> <p>7.4 Solving 1 step word problems</p>	<p>Students are able to write money in baht and satang up to 1000 baht. Convert baht to satang and satang to baht. Determine the sum and difference of money in baht and satang and solve word problems involving money.</p>

Measurement and Evaluation

Total 100 marks (Assessment 60 marks : Midterm test / Final test 40 marks)

Measurement and Evaluation	Evaluation Method	Assessment tool	Marks	Indicators
1. Pre-midterm	<ul style="list-style-type: none"> - Read and write numbers in numerals and in words up to 1000 - Recognize and identify the place values of ones, tens and hundreds - Read, understand, and write the correct answers to the questions prepared by the teacher 	<ul style="list-style-type: none"> - worksheets/ exercise in the notebook (Reading and writing numbers) - worksheets (Place values) - worksheets (Word problems : Add and Subtract) 	25	unit 1-4
2. Midterm test	<ul style="list-style-type: none"> - Read, understand, and write the correct answers to the questions prepared by the teacher. 	Test paper/Examination	20	unit 1-4
3. Post-midterm	<ul style="list-style-type: none"> - Calculate division with remainder. - Estimate and measure length in metres and centimetres. - Estimate and measure masses in kilograms and grams. - Write the correct answers when the teacher tell the vocabulary 	<ul style="list-style-type: none"> - worksheets (Division with remainder) - Group work activity - Making a balance on a paper and tell the mass of the objects. - Vocabulary test 	25	unit 5-7
4. Final test	<ul style="list-style-type: none"> - Read, understand, and write the correct answers prepared by the teacher 	Test paper/Examination	20	unit 5-7
5. Desirable Characteristics	Behavior	Behavior Rubric	10	-
6. Competencies	Class interaction Recitation Answer mathematical sentence using the four fundamental operations in Math.	Speaking Rubric	-	-

Measurement and Evaluation	Evaluation Method	Assessment tool	Marks	Indicators
7. Analytical reading and writing	Answering word problems.	A student should understand and answer 80% of the word problems.	-	-

คุณลักษณะอันพึงประสงค์ 10 ข้อ

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| 1. รักษาดี ศาสน์ กษัตริย์ | 2. ซื่อสัตย์สุจริต |
| 3. มีวินัย | 4. ใฝ่เรียนรู้ |
| 5. อยู่อย่างพอเพียง | 6. มุ่งมั่นในการทำงาน |
| 7. รักความเป็นไทย | 8. มีจิตสาธารณะ |
| 9. ปลอดภัยเสพติดและอบายมุข | 10. มีความเป็นผู้นำและกล้าแสดงออก |

สมรรถนะ 5 ข้อ

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| 1. ความสามารถในการสื่อสาร | 2. ความสามารถในการคิด |
| 3. ความสามารถในการแก้ปัญหา | 4. ความสามารถในการใช้ทักษะชีวิต |
| 5. ความสามารถในการใช้เทคโนโลยี | |