



Course Description

Subject: General Mathematics 4

Code: MA 14202

2 Periods /Week

2.0 Credits

Class: Primary 4A-B

Semester 1-2/2014

Instructors: Mr. Ariel, Ms. Chanpen

Unit	Learning Outcome
1. Combined Operations 1.1. Addition & Subtraction (Botany), (Asean) 1.2. Combined operations 1.3. Word problem (Local)	1. Students can add, subtract, and mix addition, subtraction 2. Students can analyses and show method of finding answers to problems
2. Number patterns 2.1. Creating number patterns	3. Students can tell the numbers and relations in patterns of number.
3. Rounding off 3.1. Rounding off	4. Students can round off numbers to nearest 10 to 100.
4. Measurements 4.1. Length 4.2. Mass 4.3. Volume	5. Students can tell the relationship between measuring units for length, mass, volume, or capacity. 6. Students can solve problems involving measurement of length, mass, and volume.
5. Perimeter and area 5.1. Average 5.2. Word problems	7. Students can find the perimeter and areas of rectangles and square. 8. Students can solve problems dealing with area.
6. Statistics 6.1. Pictograms (Asean) 6.2. Bar graphs (Local) 6.3. Table (Botany)	9. Students can read data from pictograms, bar charts, and tables. 10. Students can draw pictograms and bar charts.

Unit	Learning Outcome
7. Factor 7.1. Factor 7.2. Prime number 7.3. Odd and even	11. Students can list factors, prime number, odd and even of a whole number
8. Money 8.1. Income and expenses (Local) (Asean) 8.2. Word problem (Local) (Asean)	12. Students can read and keep record of incomes and expenses.
9. Fractions 9.1. Proper fraction and Improper Fraction 9.2. Mix number 9.3. Addition and Subtract 9.4. Simplest form	13. Students can converse of improper fractions to mixed numbers 14. Students can add and subtract of fractions with the different denominator and simplest form.
10. Decimals 10.1. Addition and Subtract 10.2. Multiply and divide	15. Students can add and subtract decimals up to 2 decimals places. 16. Students can multiply and divide decimals up to 2 decimals places by a 1-digit whole number.
11. Angles 11.1. Components of angles 11.2. Types of angles	17. Students can identify kind, name, and components of angles and write symbols.
12. Parallel lines 12.1. Parallel line	18. Students can identify which pair of straight lines or parts of straight lines forms a parallel as well as use symbols to indicate kind of parallel.
13. Volume 11.1. Formula of Volume 11.2. Word problems	19. Students can use formula to find the volume of liquid in a rectangular container and cuboids.
14. Circle 14.1. Components of circle 14.2. Area 14.3. Circumference	20. Students can identify components circumference and area of a circle.

Measurement and Evaluation 1/2014

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

Measurement and Evaluation	Evaluation Method	Assessment Tools	Marks	Standard/ Indicators
1. Pre-Midterm	1. Quiz 2. Vocabulary quiz 3. Course book 4. Participation	1. Mark/score 2. Dictation 3. Checking Exercises 4. Observation sheet	25	No.1-6
2. Midterm	Examination	Test paper	20	No.1-6
3. Post-Midterm	1. Quiz 2. Vocabulary quiz 3. Course book 4. Participation	1. Mark/score 2. Dictation 3. Checking Exercises 4. Observation sheet	25	No.7-10
4. Final	Examination	Test paper	20	No.7-10
5. Desirable Characteristics	1. Observation	1. Observation	10	1. Love of nation, religion and king 2. Honesty and integrity 3. Self-discipline 4. Avidity for learning 5. Observance of principles of sufficiency economy philosophy in one's way of life 6. Dedication and commitment to work 7. Cherishing Thai-ness 8. Public-mindedness 9. positive attitude towards Mathematics 10. Awareness of drugs and vices
6. Competencies	1. Observation	1. Observation 2. Asking and answering question	-	1. Communication capacity 2. Thinking capacity 3. Problem solving capacity

Measurement and Evaluation	Evaluation Method	Assessment Tools	Marks	Standard/ Indicators
				4. Capacity for applying life skills 5. Capacity for technological application
7. Reading, Analytical thinking, writing	Solving word problems	Worksheet / Exercise	-	

Measurement and Evaluation 2/2014

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

Measurement and Evaluation	Evaluation Method	Assessment Tools	Marks	Standard/ Indicators
1. Pre-Midterm	1. Quiz 2. Vocabulary quiz 3. Course book 4. Participation	1. Mark/score 2. Dictation 3. Checking Exercises 4. Observation sheet	25	11-14
2. Midterm	Examination	Test paper	20	11-14
3. Post-Midterm	1. Quiz 2. Vocabulary quiz 3. Course book 4. Participation	1. Mark/score 2. Dictation 3. Checking Exercises 4. Observation sheet	25	15-20
4. Final	Examination	Test paper	20	15-20
5. Desirable Characteristics	1. Observation	1. Observation	10	1. Love of nation, religion and king 2. Honesty and integrity 3. Self-discipline 4. Avidity for learning

Measurement and Evaluation	Evaluation Method	Assessment Tools	Marks	Standard/ Indicators
				5. Observance of principles of sufficiency economy philosophy in one's way of life 6. Dedication and commitment to work 7. Cherishing Thai-ness 8. Public-mindedness 9. positive attitude towards Mathematics 10. Awareness of drugs and vices
6. Competencies	1. Observation	1. Observation 2. Asking and answering question	-	1. Communication capacity 2. Thinking capacity 3. Problem solving capacity 4. Capacity for applying life skills 5. Capacity for technological application
7. Reading, Analytical thinking, writing	Solving word problems	Worksheet / Exercise	-	

คุณลักษณะอันพึงประสงค์ 10 ข้อ

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

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