



Course Description

Subject: General Mathematics 5

Code: MA15202

2 Periods/Week

2.0 Credits

Class: Primary 5A-B

Semester 1-2 /2014

Instructors: Mr. Michiel / Ms. Panitapat

Unit	Learning Outcome
1. Whole numbers 1.1 Reading and writing (Asean) 1.2 Addition (Botany) 1.3 Subtraction(Botany)	1. Student can read and write numbers up to 6 digits 2. Students can add numbers up to 6 digits 3. Students can subtract numbers up to 6 digits
2. Number patterns 2.1. Creating number patterns	4. Students can create number patterns by themselves
3. Angles 3.1. Types of angles 3.2. Bisecting angles 3.3. Finding missing angles 3.4. Drawing angles	5. Students can identify different types of angles 6. Students can bisect angles using a compass 7. Students can calculate missing angles 8. Students can measure and draw angles
4. Decimals 4.1. Addition 4.2. Subtraction 4.3. Word problem	9. Student can add decimal numbers up to three decimal places 10. Student can subtract decimal numbers up to three decimal places 11. Students can solve word problems related to decimal numbers
5. Average 5.1. Average 5.2. Word problems	12. Students can calculate the average of several numbers 13. Students can solve word problems related to average

Semester 2 /2014

Unit	Learning Outcome
6. Rectangles, parallelograms, trapeziums 6.1. Identifying quadrilaterals 6.2. Finding missing angles	14. Students can identify different types of quadrilaterals 15. Students can find interior and exterior angles in quadrilaterals
7. Percentage 7.1. Coloring percentages 7.2. Percentage of a quantity	16. Students can understand the concept of percentage and can color a percentage of figures 17. Students can find a percentage of a quantity
8. Probability 8.1.Experiment	18. Students can perform an experiment and calculate probability for contain events to happen
9. Triangles 9.1. Identification of triangles 9.2. Finding angles	19 Student can identify different types of triangles 20. Students can calculate interior and exterior angles related to triangles
10. Circles 10.1. Geometry of circles	21. Students know the different geometry of a circle
11. Volume 11.1. Cubs and cuboids 11.2. Conversion 11.3. Word problems	22. Students can find the volume of cubes and cuboids 23. Students can convert different types of measurements 24. Students improve their creative thinking skills and can complete word problems

Evaluation 1/2014

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

Measurement and Evaluation	Evaluation Method	Assessment Tools	Marks	Learning outcome
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	1-8
2. Midterm	Test	Test	20	1-8
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	9-13
4. Final	Test	Test	20	9-13
5. Desirable Characteristics	1. Quiz 2. Vocabulary quiz 3. Course book 4. Participation	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. Quiz 2. Vocabulary quiz 3. Course book 4. Participation	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		

Evaluation 2/2014

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

Measurement and Evaluation	Evaluation Method	Assessment Tools	Marks	Learning outcome
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	14-18
2. Midterm	Test	Test	20	14-18
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	19-24
4. Final	Test	Test	20	19-24
5. Desirable Characteristics	1. Quiz 2. Vocabulary quiz 3. Course book 4. Participation	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. Quiz 2. Vocabulary quiz 3. Course book 4. Participation	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. รักชาติ 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