



Course Description

Subject: General Mathematics 6

Code: MA16202

2 Periods /Week

2.0 Credits

Class: Primary 6A-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 as words and numbers. 2. Students can add cardinal numbers 3. Students can subtract cardinal number
2. Factors 2.1. Prime numbers 2.2. Factors 2.3. Word Problems	4. Students can name prime number between 0 and 100 5. Students can find the factors of cardinal numbers 6. Students can solve word problems related to factors
3. Number Patterns 3.1 1. Creating number patterns	7. Students can create number patterns by themselves
4. Integers 4.1. Addition and Subtraction 4.2. Multiplication and Division	8. Students can add and subtract integers (including negative numbers) 9. Students can multiply and divide integers (including negative numbers)
5. Fractions 5.1. Reading and Writing 5.2. Simplifying and comparing	10. Students can read and write fractions correctly 11. Students can write fractions in its simplest form and can compare value of fractions
6. Decimals 6.1. Place value 6.2. Word Problems	12. Students can write decimal numbers in expanded form 13. Students improve their creative thinking skills and can solve word problems
7. Tessellations 7.1. Drawing tessellations	14. Students can complete and create tessellations

Unit	Learning Outcome
8. Graphs 8.1. Reading bar graphs 8.2. Drawing pie charts	15. Students can read and interpret bar graphs 16. Students can read and interpret bar graphs
9. Parallel lines 8.1 Comparing volume	17. Students can recognize lines and line segments 18. Students can calculate missing angles inside and outside of parallel lines.
10. Fractions 10.1. Percentage of a quantity 10.2. Word problems percentage	19. Students can find a percentage of a quantity. 20. Students improve their creative thinking skills and can solve word problems related to percentage.
11. Triangles 11.1. Identification 11.2. Perimeter 11.3. Area 11.4. Angles	21. Students can identify different types of triangles 22. Students can find the perimeter of triangles 23. Students can find the area of triangles 24. Students can calculate interior and exterior angles related to triangles
12. Quadrilaterals 12.1. Word problems	25. Students improve their creative thinking skills and can solve word problems related to quadrilaterals
13. Circles 13.1. Word problems	26. Students improve their creative thinking skills and can solve word problems related to circles
14. Volume 14.1. Introduction 14.2. Conversion 14.3. Word problems	27. Students can understand the concept of volume 28. Students can convert different types of measurements 29. Students improve their creative thinking skills and can solve word problems related to volume

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	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	No.1-9
2. Midterm	Examination	Test paper	20	No.1-9

Measurement and Evaluation	Evaluation Method	Assessment Tools	Marks	Learning Outcome
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.10-14
4. Final	Examination	Test paper	20	No.10-14
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 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	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	No.11-15
2. Midterm	Examination	Test paper	20	No. 11-15
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. 16-20
4. Final	Examination	Test paper	20	No. 16-20
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 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