

**Assumption College**

Course Curriculum

Learning Group : Mathematics Course :

Level : Matthayom 6 Term : 1

Subject Code : MA30229

International Aptitude in Mathematics

Credits : 0.5

Number of Hours : 20

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| --- | --- | --- | --- | --- |
| Unit  | Time Frame | Processes | Materials | Measurement/Evaluation |
| I. Advanced Math and Algebra |  |  |  |  |
|  1. Law of Exponents and Polynomials 1.1 . Exponents and Order of operation  1.2. Laws of Exponent and Scientific  notation  1.3. Operations on Polynomials 1.4. FOIL Method Special Product and Factoring | 61122 | Problem SolvingReasoningCommunication | Prepared Worksheet | ExercisesQuiz: SAT PracticeExam |

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| 2. Function 2.1. Linear Function and Linear  Equations 2.1.1. Slope Intercept and point slope form 2.2. Quadratic Function 2.3. Exponential Function 2.4. Systems of Equations 2.4.1. Systems consisting of Linear  Equations 2.4.2. Systems consisting of Linear  and quadratic equations  | 8112211 | Problem SolvingReasoningCommunication | Prepared Worksheet | ExercisesQuiz: SAT PracticeExam |
| 3. Linear Inequalities and Graphs 3.1. Solving Inequalities 3.2. Compound and absolute value  Inequalities 3.3. Graphing Inequalities in two  Variables 3.4. Graphing systems of inequalities  | 62211 | Problem SolvingReasoningCommunication | Prepared Worksheet | ExercisesQuiz: SAT PracticeExam |