

**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 | 6  1  1  2  2 | Problem Solving  Reasoning  Communication | Prepared Worksheet | Exercises  Quiz: SAT Practice  Exam |

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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 | 8  1  1  2  2  1  1 | Problem Solving  Reasoning  Communication | Prepared Worksheet | Exercises  Quiz: SAT Practice  Exam |
| 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 | 6  2  2  1  1 | Problem Solving  Reasoning  Communication | Prepared Worksheet | Exercises  Quiz: SAT Practice  Exam |