COURSE SYLLABUS

Course Title: Mathematics
(6th Grade, Starter)
The Asian International School

I. INSTRUCTIONAL RESOURCES:

The following supplies are required for all math classes:
- Math notebook
- Pencils and pens
- Ruler, protractor and compass

II. COURSE PREREQUISITE:

Students should complete the Mathematics courses in elementary education and show readiness to take the Mathematics course offered to students by the international program.

III. GENERAL STANDARDS

Mathematics as a discipline aims to develop creative thinking, analytical and logical reasoning, and collaboration in order to prepare the students to be equipped and ready to face the challenges of a complex and highly technical society. Hence, the lessons are presented in a sequential manner evolving from simple to complex concepts which involve higher cognition skills. Moreover, it develops better understanding of mathematical concepts and their applications through an interactive approach; thus, performance tasks reflect activities for mastery such as doing investigations or practical works to challenge the inquisitive and well-motivated learners. These activities should provide meaningful and life-long learning experiences that will prepare individuals to be problem solvers.

IV. COURSE DESCRIPTION

Starter mathematics will introduce them to new material in a challenging but exciting way. The students are to expect a follow-up of the basic mathematical skills they have learned in their elementary grades. They have mastered the four basic fundamental operations and are now ready for a more challenging year of computations, equations, and mathematical problems. Starter math will enhance the basic math skills, number sense & operations, using formulas, and problem solving. Geometry will also be taught to them, where they are to learn about the different geometric figures.

V. COURSE REQUIREMENTS

Students will need to have a careful preparation for each part of every section. Through in class discussion groups, homework exercise problems, and in class examination students will gain necessary knowledge.

This course will also include monthly individual assessment accounting for 50% of the overall course grade. The remaining 50% of student grades come from homework, participation, behavior, and attendance. Therefore, it is vital for students to attend class regularly and participate in the lesson.

It is also required that students practice their skills through pair works, group works as well as self-study. Examinations will cover the material from the text.

VI. EVALUATION AND GRADING

Student progress made during the course taking will be assessed through achievement tests as well as other assessments designed, planned, and implemented by classroom teachers. The following grading scale will be operated separately in each semester.

1. Achievement Tests (80%)
   - Mid-term (30%)
   - Final Exam (50%)
2. Other Assessments (20%)
   - Homework: individual/group projects
   - In-class assessments: Quizzes, literary/writing tasks, etc.
   - Class Performance: Attendance and Participation

VII. GRADING SCALE

The following grading scale will be used.

Letter	Range	Percentages	
A	90-100	90%	(High Distinction)
B	80-89	80%	(Distinction)
C	65-79	70%	(Pass with merit)
D	50- 64	60%	(Pass)
F	0- 49	Below 60% (Fail)	

VIII. COURSE SCHEDULE

SEMESTER	CHAPTER	UNIT	CONTENT	TIME (Weeks)	NOTES
Semester 1	1. Review on Sets	1	Set and set notations	2	
		2	Fundamental operations on natural numbers	1	
		3	Powers of natural numbers	2	
		4	Order of operations	1	
		5	Divisibility	2	
		6	Prime and composite numbers	2	
	2. Integers	1	Add and subtract of integers	1	
		2	Multiply and divide integers	2	
		3	Properties of integers	2	
Semester 2	3. Fraction	1	Introduction	1	
		2	Properties of fractions	1	
		3	Add and subtract fractions	1	
		4	Multiply and divide fractions	2	

4. Angles		1	Angles and angle notations	1	
		2	Angle pairs	1	
		3	Constructing angles	1	
		4	Circles	2	
		5	Triangles	2	