The American School of Marrakesh
Math 8 Advanced (Algebra I)
2015-2016

Teacher: Mr. Christopher Orense

Course Overview: This course extends students' knowledge and understanding of the real number system and its properties through the study of variables, expressions, equations, inequalities, and analysis of data derived from real-world phenomena. Emphasis is placed on making connections in algebra to arithmetic, geometry, and statistics. Critical thinking skills, calculator and computer technologies are essential components in this course.

Course Description:

- I. Number Systems and Number Operations
- II. Expressions, Equations and Inequalities
  - Expressions
  - Solving Linear Equations
  - Solving Linear Inequalities
- III. Systems of Equations and Inequalities
- IV. Factoring
- V. Functions
  - Linear Functions
  - Line of Best Fit
  - Variation
  - Quadratic Functions
- VI. Geometry
- VII. Statistics

A more specific calendar and course detail can be found on the class website

(http://asmmsmath.weebly.com)

Textbook: <u>Algebra I</u>

Course Grade Design:

Tests	40%	
Quizzes	30%	
Classwork Assignments	30%	*(includes homework, classwork, notebook check, projects, participation, behavior log)*

Class Expectations and Teacher Support:

Students are expected to be in their seats with their materials on their desk and ready to learn by the time the bell rings. Respect, responsibility and concentration are expected and developed. **I encourage everyone to ask questions!** The teacher is available for consultations in cases where students need extra help. Please make arrangements with the teacher for the best schedule that works for both the teacher and the student.

Materials:

binder (at least 1 inch thick)

lots of loose leaf paper

pencils

pens

textbook.

Contact Information

Mr. Orense, Room 206
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Class Website: http://asmmsmath.weebly.com