

**MIDDLE SCHOOL COURSE OVERVIEW**

Course Title	Teacher
Math 8	Ms. Milone Ato Samson

**Course Description**  
Math 8 is course designed for a portion of 8th grade students that may need additional support in fundamental mathematical skills. The course follows Common Core Standards. Instruction, assignments, and assessments will be differentiated based on individual's prior knowledge and learning pace.

- Topics /Activities - Semester 1: August-December**
1. Number Sense Review (Integers, Fractions, Decimals, Percents, Order of Operations)
  2. Integer Exponents and Scientific Notation
  3. Congruence in Geometry
  4. Similarity in Geometry

- Topics /Activities - Semester 2 : January-June**
1. Linear Equations
  2. Functions from Geometry
  3. Linear Functions
  4. Irrational Numbers Using Geometry

**Basis of Student Assessment and Grades**  
Students will be assessed separately on their achievement and effort using the standards and benchmarks established by the school for this course.  
Typical assessments include:

- Projects (creating tutorial videos, creating geometric art using GeoGebra)
- Problem Solving Challenges
- Quizzes
  - 1-2 are always given before tests
  - Students must make corrections after getting it back
  - Students must inform their parents of the grade via email
  - Students may retake quizzes after school or at lunch for a better grade, but must take the initiative themselves
  - Occasionally students are split into either review or extension groups following a quiz
- Tests
  - Students must make corrections after getting it back
  - No retakes

<b>Effort and Attitude Expectations</b>		
Commitment to Learning	Collaboration and Respect	Self-Management
<p>Students are expected to demonstrate a commitment to learning by being inquisitive, seeking and utilizing relevant information, and thinking purposefully and methodically to solve mathematical problems. Students are encouraged to look at every situation as a learning opportunity. Homework should be corrected in class with notes, redone, and reviewed. Students can seek help of any kind after school, during lunch or during morning break, whenever necessary.</p> <p>Students are expected to show collaboration and respect by communicating effectively, caring for others and our shared spaces, and by being open-minded during discussions. Students will often be required to contribute to whole class problem solving discussions and to work collaboratively with a small group or partner. Students should collaborate in ways suggested above so as to enhance their own learning and the learning of others and help to create a safe and supportive learning community.</p> <p>Students are expected to manage themselves in classroom by being balanced, courageous, and principled. This means staying on task, using time wisely, completing all assignments to the best of their ability, on time, and persevering thorough challenges.</p> <p>If homework is complete, shows the proper steps and is done on time, full credit is given. If many steps are not shown, or there are many questions not attempted, then half credit is given. If less than half is complete or no steps are shown, no credit will be given that day. If no credit is given that day, they have until next class to complete it for half credit. If half credit is given they have until the following class to complete it for full credit.</p>		
<b>Required Materials</b>		
<p>-Students should bring the blue paper agenda to class every day.</p> <p>-Students should bring their laptops (fully charged) to class every day.</p> <p>-Students should bring their binder with a section specifically for math, with all documents for the current unit and with paper to class every day.</p> <p>-Mathematics textbook CD Rom tutorial may be kept at home, as there is a class set available in the classroom.</p>		
<b>Texts</b>		
<ul style="list-style-type: none"> <li>● Mathematics for the International Student, 8, MYP 3 text book</li> <li>● Mathematics for the International Student, 8, MYP 3 CD Rom digital textbook and tutor</li> </ul> <p>Computer/Online Resources:</p> <ul style="list-style-type: none"> <li>● <a href="http://www.buzzmath.com">www.buzzmath.com</a> Each student has their own account, that links to a teacher account. Students will complete assignments on this site throughout the year. Hints and examples are offered for every problem.</li> <li>● <a href="http://www.classzone.com">www.classzone.com</a> Students will complete assignments on this site during semester two.</li> <li>● <a href="http://www.educrations.com">www.educrations.com</a></li> <li>● GeoGebra Software to be used when learning about geometric transformations.</li> </ul>		
<b>Teacher Contact Details</b>		<b>Moodle Link</b>
<a href="mailto:cynthia.milone@icsaddis.edu.et">cynthia.milone@icsaddis.edu.et</a>		<a href="http://elearning.icsaddis.edu.et/course/view.php?id=460">http://elearning.icsaddis.edu.et/course/view.php?id=460</a>