

# Greater Miami Adventist Academy

## *Algebra 1 Syllabus 2017-2018*

### **Course Information:**

Course Title:	Algebra 1
Credit Hours:	Two Semesters 1.0 unit credit
Instructor:	Mrs. Tamarha Lubin
Classroom:	Room 207
E-mail Address:	<a href="mailto:tamarha.lubin@gma.edu">tamarha.lubin@gma.edu</a>
Phone Number:	954-562-5062
E-book:	<i>Introductory Algebra</i> 2009, Hawkes Publishing Author: D. Franklin Wright

### **Course Description:**

This course is designed to enable students to grasp the formal structures of algebra by grounding students in familiar contexts and real-world applications of algebraic thinking. Problem solving will be an integral part of this course with the aim of developing critical thinking skills in each student.

### **Course Objectives:**

The students will be able to:

- Represent and use numbers in variety of forms to solve real-world and mathematical problems. [A1.1]
- Select the most efficient method of computation such as mental mathematics, paper and pencil, calculator, computer simulation and evaluate the results for accuracy and reasonableness. [A1.6]
- Solve linear equations and inequalities with one variable using whole number, decimal and fractional coefficients. [A1.5]
- Simplify and evaluate algebraic expressions [A1.5]
- Graph in the coordinate plane (linear, absolute, and quadratic). [A1.2]
- Find the slope and equation of a line.
- Solve absolute value equations.
- Add and subtract polynomials.
- Factor algebraic expressions using varied methods. [A1.2]
- Solve quadratic and simple polynomial equations.
- Identify functions and use function notation. [A1.3]
- Be able to analyze and draw appropriate conclusions [A1.7]

### Course Topics & Schedule

August	<b>Expressions, Equations, Functions and Real Numbers</b>	January	<b>Exponents and Exponential Functions</b>
September	<b>Solving Linear Equations</b>	February	<b>Polynomials, Factoring, and Quadratic Equations</b>
October	<b>Graphing Linear Equations and Functions</b>	March	<b>Rational Equations and Functions</b>
November	<b>Writing Linear Equations and Inequalities</b>	April	<b>Radical Expressions</b>
December	<b>System of Linear Equations and Inequalities</b>	May	<b>Quadratic Equations</b>

### Grading Scale per Semester:

	Semester
Tests	60%
Quizzes	20%
Classwork/Homework	20%

Grades will be posted in RebWeb regularly. Parents and students are able to login to RenWeb to view grades and track progress.

### Attendance and Lateness:

All students are expected to attend class in compliance with the GMAA Attendance Policy. (See *Student Handbook*). No assignments will be accepted past the due date.

**Tests or Quizzes missed due to unexcused absences will not be accepted.**

### Extra Credit Work:

Complete all assignments and projects, prepare well for the tests and quizzes, follow all the suggestions for success and **no extra credit** will be necessary.

### Classroom Behavior:

Be in your seat with materials out and ready to work before the bell rings. Bring all the required materials to class daily. Follow all directions quickly. Raise your hand and wait to be called upon before speaking. The use of chewing gum is **not** permitted to be

consumed in the classroom. Cell phones are not to be used during instructional time unless otherwise instructed. (*See Handbook*)

**Academic Dishonesty:**

Cheating includes any and all actions by a student that are intended to gain an unearned academic advantage by fraudulent or deceptive means. Penalties for cheating and plagiarism will be evaluated as F for the assignment.

**Suggestions for Success:**

Pay attention in class, be on time, copy everything from the board, underline your textbook, do not miss class, follow the instructions, study, turn in all assignments on time. Do not be afraid to ask questions, come and see the teacher when necessary, always hand in your very best work.

**Classroom Supplies:**

1. Casio FX-9860GII Graphing Calculator
2. Composition Book (100 sheet)
3. Graph Paper
4. Notebook Paper
5. #2 Pencils
6. Red Pen
7. Ruler

*The teacher reserves the right to make changes to this course outline as deemed necessary.*

\*Please fill out the Acknowledgment of Receipt of Syllabus and return it to Mrs. Lubin. Students will receive a grade for turning in signed forms.