



# Algebra 1 Course Syllabus Fall 2016



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I. Course Description:

Algebra 1, as the first course in the high school mathematics academic sequence, lays the foundations for the development of the concepts of variables and functions. Passing a state mandated Algebra 1 exam is a graduation requirement.

Course Content and Suggested timeline:

Content	Timeline
Unit 1: Relationships between Quantities and Reasoning with Equations	16 days
Unit 2: Linear Functions	19 days (first quarter)
Unit 3: Applications of Linear Relationships	16 days
Unit 4: Exponential Relationships and Modeling	18 days (second quarter)

II. Course Goals and Content Standards:

- Students will be able to apply algebraic processes.
- Students will demonstrate the ability to investigate, interpret, and communicate solutions to and real-world problems using patterns, functions and algebra (with technology).
- Students will also demonstrate the ability to apply probability and statistical methods for representing and interpreting data and communicating results, using technology when needed.
- Students will receive various assignments designed to refine/extend their content knowledge.

III. Major Projects and Assignments:

- Assessments will be given upon the conclusion of each unit.
- At the end of the first marking period, a quarterly exam will be given. A quarterly exam will also be given at the end of the second marking period.
- Technical reading and writing assignments will be included throughout the semester in order to enhance learning of algebraic relationships.
- Homework will be assigned regularly from various resources including computer programs.

IV. Assessment and Grading Plan:

- Assessments (3-5 per marking period) 65%
- Classwork (at least 6 per marking period) 15%
- Homework (at least 6 per marking period) 10%
- Quarterly Assessment 10%

• **Grading Scale:**

- 90 – 100 A
- 80 – 89 B
- 70 – 79 C
- 60 – 69 D
- 59 and below E

**Semester Grades:**

- 1<sup>st</sup> Quarter grade 50%
- 2<sup>nd</sup> Quarter grade 50%

- **Proficiency Policy**

Students will be assessed formally and informally on the Common Core Standards for Algebra 1 through a variety of activities, including homework, classwork, quizzes, exit tickets, unit assessments, projects, and quarterly exams. Students will be graded according to these standards. Students will earn a minimum grade of 50% on assignments or assessments for which the student made a good faith effort, as determined by the teacher. Assignments or assessments for which a student did **NOT** demonstrate a **Good Faith Effort** will receive a score of 0% and are **NOT** eligible for a redo.

Students may redo any unit assessment once. All quarterly exams are **NOT** eligible for redo. Students who need to redo an assessment are expected to complete other requirements mandated by their Algebra I teacher. Students not demonstrating proficiency on formal standards-based assessments will be required to report to Pride Period for additional assistance.

- **Late Work**

All assignments shall have a due date. All assignments submitted after the due date will be given partial credit. The outside date for late work to be submitted shall be five school days from the date of the unit assessment.

- **Make Up Work**

All assessments, classwork, homework, and quizzes must be made up if you are legally absent. It is the **student's** responsibility to obtain their make-up work when absent.

V. Materials:

- Text: *Algebra I Common Core* Online Edition (Students must request a textbook if they would like a hard copy. Books must be returned at the end of the school year.)
- 3 Ring-Binder
- Loose-leaf paper
- 5 Divider tabs
- Pencils
- AAA Batteries (4-pack)
- Calculator: TI-83 Plus, or TI-84Plus for home (may be rented from school for \$15)

VI. Additional Help:

- Students are *expected* to request additional help.
- Students may get help during Pride Period.
- Students may arrange for a student tutor through the National Honor Society (sign-up forms are located in the Guidance office).
- Students may choose to hire a personal tutor. The TAAAC office in Annapolis has a list of available tutors.
- Web resources:
  - [www](http://www). (clarification of concepts, extra practice)

