The Algebra I course begins with connections back to the students’ earlier work, efficiently reviewing algebraic concepts that students have already studied while at the same time moving students forward into the new ideas described in the high school standards. Throughout, the connection between functions and equations is made explicit to give students more ways to model and make sense of problems. Algebra I students will master content, engage in applications-based problem solving, and develop the behaviors defined by the Standards of Mathematical Practice.

### Expectations

- Be Respectful
- Be Present
- Be Prepared
- Be Mindful

### Materials

- Notebook/binder
- Pencils/erasers
- Laptop/schoology
- Calculator

### Academic Honesty

All students at Queen Anne’s County High School are expected to conduct themselves with great pride in academics and the community at large. To this end, it is expected that all students will maintain academic integrity in every assignment. Work must be completed individually unless otherwise directed by the teacher. Plagiarism is a severe offense at QACHS and will result in immediate consequences. The use of Photomath and other electronic sources is a form of plagiarism.

### Grading

**50% Mastery (7)**

**50% Progress (at least 24)**

Students may retake a Mastery Assessment (unit test) if they score below a 70%. Mastery assessments could be unit tests, projects or a cumulative assessment for the course.

Progress grades can be from classwork, homework, warm-ups, quizzes and/or other work completed for the course. Work will be considered LATE after 3 school days and deduction of points will occur. Assignments will not be accepted after 10 school days.
Students must log into our class on schoology every school day to be counted as present. Students should complete daily work to keep up the class. The teacher/school should be contacted if a student will be absent from class. Students are responsible for all missing work due to an absence.

### Online Learning Expectations

**Synchronous** – Join the video conference on time and have materials ready. These materials include pencil, paper, calculator and any websites needed to complete math work. Have Schoology open and ready to go in a browser. You are expected to be on the video conference for the duration of class. Please find a quiet place in your house and give yourself an area to work.

**Asynchronous** – Assignments that are asynchronous are to be done on your own; however, I am available for help during the designated asynchronous period. Also during this time you may be asked to attend a video conference for small group instruction. Small group instruction, if assigned, is mandatory.

**Check-in Day** – Every Wednesday there will be a brief 10 minute video conference or check in to provide a brief period of instruction and to ensure all students are on track with the current assignments. Students will also complete an asynchronous assignment on check-in day.

**Office Hours** – Every day except for Wednesday there are Office Hours set aside for reteaching, 1:1 or group tutoring, small group instruction and student/parent meetings. You may schedule a time during office hours for tutoring. You may also attend a tutoring or instructional video conference during office hours. Office hours are considered part of the school day, so tutoring or conferences scheduled during this time are mandatory. If there is an instructional conflict during the requested time, we will work together to find a time that works.

### Course Outcomes

Students will be expected to demonstrate mathematical habits related to the following eight mathematical practices:

1. Representing Relationships Mathematically
2. Understanding Rate of Change and Slope
3. Linear Functions and the Equations and Inequalities that Arise from Them
4. Systems of Linear Equations and Inequalities
5. Operations with Polynomials
6. Statistical Analysis and Nonlinear Functions, including Exponential Functions
7. Graphing and Modeling with Quadratics
8. Solving and Applying Quadratics

[http://www.corestandards.org/Math/Practice/](http://www.corestandards.org/Math/Practice/)