

ALGEBRA I - MRS. ZELLANACK

Welcome to the 2019-2020 school year! I believe that math is good for your soul, and that choosing your attitude is among the most important ways you can be successful.

COURSE OBJECTIVE

Students will acquire and demonstrate knowledge of concepts, definitions, properties, and applications of the topics listed in the course description as well as develop the computational skills and strategies needed to solve problems. Students will develop critical thinking and decision making skills by connecting concepts to practical applications.

GRADING

- 60% MAJOR assignments (tests, projects, etc.)
 - Each unit of learning will conclude with a unit test; depending on the amount of material in the unit, an additional test may be given at the midpoint of the unit.
- 40% MINOR assignments (homework, classwork, quizzes, etc.)

****For Pre-AP class, please refer to Pre-AP course agreement for more detailed information regarding assignments and late work.**

EXPECTATIONS

- Be on time
- Be prepared
- Show respect for yourself and those around you
- Work hard and bring your best effort EVERY SINGLE DAY
- ASK QUESTIONS!!

REQUIRED MATERIALS

- Pencils
- Lined paper
- Spiral notebook or composition book
- A dry erase marker (for example, an EXPO marker)
- A growth mindset - our brains are capable of learning anything and the more work we do, the more knowledge we will obtain

****EXTRA CREDIT:** A pack of pencils or kleenex

GRAPHING CALCULATORS

Please refer to school policy regarding classroom use of calculators.

PODs (Problems of the Day)

To assist in preparing students for the EOC (End of Course) exam, as students walk into their Algebra 1 class, a POD (Problem of the Day) will be on the board or sent through the calculator applications. The POD is in the form of a state test objective that is tied into the previous day's lesson, or to set up a connection to upcoming tasks, goals, and criteria in the Algebra 1 curriculum. The students are expected to complete the problem as soon as they come into class, and be prepared to present or share it. These may be checked and scored for a minor grade.

ONLINE MATH PRACTICE

Students will be participating in one or more online platforms to build and enhance skills and familiarity with doing math in an online format. This may include Imagine Math (previously called Think Through Math) and/or Khan Academy. Lessons are assigned and completed online and are accessible to students at school and at home through their Sharyland email accounts. Please visit the websites <http://math.imaginelearning.com> and <https://www.khanacademy.org/>

TUTORING

Mondays and Thursdays after school from 4:00-5:00. This is the best time to catch up from an absence. Please see the schedule in the math hallway on campus for availability of the other algebra teachers if you cannot come on these days.

UNIT OUTLINE (tentative and subject to change)

- Unit 1: Linear Equations and Inequalities
- Unit 2: Linear Functions
- Unit 3: Equations of Linear Functions
- Unit 4: Systems of Linear Equations and Inequalities
- END OF SEMESTER ONE-----
- Unit 5: Exponents and Radicals
- Unit 6: Exponential Functions and Sequences
- Unit 7: Polynomial Expressions and Equations
- Unit 8: Quadratic Functions
- END OF SEMESTER TWO/ EOC EXAM-----

By signing below, I have reviewed the information presented in this syllabus and understand that I am expected to do my part to adhere to it.

STUDENT NAME (Print): _____

STUDENT SIGNATURE: _____

DATE: _____

PARENT/GUARDIAN SIGNATURE: _____

DATE: _____

PARENT/GUARDIAN EMAIL: _____

What language(s) is spoken in the home? _____