

ALGEBRA I - MRS. ZELLANACK

Welcome to the 2018-2019 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 (ex: 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 hand sanitizer

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. 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 and timeline. The students will get their composition books from their assigned area of the classroom and a graphing calculator and proceed to copy and solve the POD. These will be checked and graded for a minor grade.

IMAGINE MATH

Once a week, students will spend 45 minutes or more in the computer lab to practice skills using the program Imagine Math (previously called Think Through Math). This is a program being used by the entire district to enhance and develop mathematical skills and reasoning, and it is expected that students participate fully during the computer lab time. Students may also access the program at home and gain additional practice beyond the 45 minutes per week. Please visit the website <http://math.imaginelearning.com>

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 the days above.

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? _____