



LEYDEN
HIGH SCHOOL DISTRICT 212

Algebra 1

MAT 111/112

2017-2018

Mr. Matthew Rusek

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Available days and hours: Period 0 in room 145

Course description*

Algebra I is designed to develop skills in using variables, linear equation solving, graphing on the Cartesian Plane, solving linear systems, and exploring the properties of exponents. Additional goals include developing skill in working with quadratics and other polynomial functions. [Link to published core curriculum map*](#)

Credit weight*

College Prep

Priority Standards*

Interpret the structure of expressions	Analyze functions using different representations
Write expressions in equivalent forms to solve problems	Build a function that models a relationship between two quantities
Perform arithmetic operations on polynomials	Build new functions from existing functions
Create equations that describe numbers or relationships	Construct and compare linear and exponential models and solve problems
Understand solving equations as a process of reasoning and explain the reasoning	Interpret expressions for functions in terms of the situation they model
Solve equations and inequalities in one variable	Use properties of rational and irrational numbers.
Solve systems of equations	Reason quantitatively and use units to solve problems.
Represent and solve equations and inequalities graphically	Summarize, represent, and interpret data on a single count or measurement variable
Understand the concept of a function and use function notation	Summarize, represent, and interpret data on two categorical and quantitative variables

Grading Categories* (Common for all instructors of this course)	Category Percent Weights* (Common for all instructors of this course)
Tests/Large Assessments	50%
Quizzes/Small Assessments	40%
Homework	10%

Leyden High School D212 Common Grading Scale*: 90 - 100 A; 80-89 B; 70 - 79 C; 60 - 69 D; Below 60- F

Grades in this class will be updated weekly (minimum) and are available via the [eSchool Home Access Center](#)

Materials Needed:

- Chromebook (Charged!)
- Math folder or binder
- Writing utensil
- Paper

Statement of Academic Honesty

Every student will maintain academic integrity. Students should complete the work assigned to them. Academic dishonesty occurs when students obtain or assist others in obtaining credit for work which is not their own. Students must conduct themselves according to the rules prohibiting dishonest academic behavior and must resist peer pressure to violate those rules. Consequences for academic dishonesty include, but are not limited to a complete loss of credit for all work involved, parent notification and office referral.

Retake/Late Work/Missing assignments

You will receive homework nearly every night. Some homework will be on handouts, others will be completed on the computer. If you are unable to complete an assignment, I will accept the homework one day late. Every assignment has a purpose and not just to keep you busy. It is important to complete every assignment. If you need additional time to complete an assignment due to unusual circumstances, please communicate with me as soon as you know you will be unable to complete it.

If you would like to re-take a test, I ask that you ask for help during 0/11th hour and complete a request-to-retest reflection sheet. The new grade will replace the old grade in the gradebook.

Classroom Expectations

- Be Prompt** (be in assigned seat when bell rings)
- Be Prepared** (Charged Chromebook, binder, paper, and pencils every day)
- Be Productive** (complete assigned work daily)
- Be Polite** (be respectful and considerate of others)

Other Information

Your textbook is online: leyden212.agilemind.com

- Username: first initial last initial ID#
- Password: Locker combination