

# Edison Academics Syllabus

Richard A. Buccigrossi

Buccigrossi@edisonacademics.com

## Syllabus: Pre-Algebra / Algebra 1 course description

Students will: understand rational and irrational numbers, scientific notation; functions as a rule, graph, and table; describe linear and non-linear graphs, similarity and congruence, rotation, reflection, translation and dilation; understand the proof of the Pythagorean Theorem and its application to find distance between points; scatter plots and the best linear fit.

The students will: learn operations with real numbers, properties of equalities, algebraic expression, relations and functions, rate of change and slope of linear equations. Students will understand solving equations and inequalities in one variable as a process of reasoning and explain the reasoning; understand the difference between zeroes and factors of polynomials; understand the concept of a function.

## Grading

- 30% Participation: attendance, on-task in class, discussion, notes, and questions, and respectful, mindful of Academic Expectations outlined below
- 30% Homework
- 40% Test, Quiz, Exam Projects

## Academic Expectations

Students will attend class regularly.

Students will come to class prepared with their tools: pens, pencils, calculators, books, paper.

Students will stay on-task during class giving 100% effort.

Students will do homework assignments on time and prepare for tests.

Students will return all textbooks at the completion of the course.

## Absence Responsibility Policy

- Student responsibility for excused absence: inform teacher and the Administrative office of the reason for the absence and the length of time for the absence.
- Students with 9 unexcused absences in a semester will be in danger of failing course.

## Electronic Devices Policy

- Students will have cell phones off during class, no ear buds, no headphones
- Students will have tablets and laptops out only when required for class work by teacher
- Students may re-charge devices at teacher-approved locations in classroom