

Attucks Middle School
2021-2022 Algebra I Syllabus

Instructor: Dr. Mohamed Gharbi

Room: 47

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Course summary:

This course will cover the Texas Essential Knowledge and Skills for Algebra I:

- Expressions, equations, functions
- Properties of real numbers
- Solving linear equations
- Graphing linear equations
- Linear inequalities
- Systems of equations
- Exponents/exponential functions
- Polynomials
- Quadratic equations
- Radicals
- Rational functions

Essential Student Learning Outcomes:

- Students will demonstrate strong problem solving and reasoning skills to develop mathematical proficiency.
- Student will be able to solve equations and inequalities and graph the solution(s).
- Students will be able to solve systems of equations.
- Students will be able to factor polynomials.
- Students will be able to solve quadratic equations.
- Students will develop in depth understanding of quadratic and exponential functions.

Materials Needed for This Course

- #2 Pencils
- Standard Notebook Paper

Grading Policy

- Assessment 30%
- Daily Work 40%
- Project 20%
- Homework and class participation 10%

Expectations

- Students are expected to be responsible, respectful and always try their best when doing their work.
- Students are expected to show all steps when submitting answers for their math work.
- Students who are absent are responsible to complete their missing work and submit it on time.
- Students are not allowed to bring ANY food or drinks to the class.
- Students must be willing to come to after school or Saturday tutorials if they start to struggle or need to improve their grades.

Discipline (Behavior Consequences)

Failure to meet expectations will result in the following consequences:

- Warning / Classroom intervention
- Student/Parent Conference
- Administrative Referral