

# **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