



## *Algebra 1 Syllabus*

**Teacher:** Mr. E. Tiru

**Classroom #:** 312

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**Office Hours:** After school by appointment only

### **Wilby High School Core Values and Beliefs:**

The students, faculty, staff, and administration of Wilby High School will work cooperatively with families, members of the community, and the Board of Education to create a safe, welcoming, and academic environment which embraces, challenges, and nurtures the diverse talents, interests, and learning styles of all its students.

All students will leave Wilby High School with the self-respect, respect for others, knowledge, and 21st century skills necessary to become independent, intellectually curious, and self-fulfilled members of society.

### **Wilby High School's 21<sup>st</sup> Century Expectations for Student Learning:**

#### ***Academic Expectations***

Effective Reader

Effective Writer

Effective Problem Solver

Self-Directed Learner

#### ***Civic Expectation***

Community Contributor

#### ***Social Expectations***

Respectful Person

Collaborative and Cooperative Worker

### **Course Description from the Wilby H.S Program of Studies:**

This course provides the tools and ways of thinking needed to solve real world problems. It covers all types of linear equations in one variable, quadratic functions with integral coefficients and roots as well as absolute value and exponential functions. Coordinate geometry will be integrated into the investigation of these functions. An introduction to systems of equations and their alternative solution methods will also be studied. Measurement within a problem solving context includes calculating rates using appropriate units and converting within measurement systems. An introduction to data analysis including measures of central tendency and visual representations of data are studied. Elementary probability theory is used to determine the probability of events. Students learn how to use a graphing calculator in order to stay current with modern technological trends. Preparation for the SAT is an important part of Algebra 1.

**Classroom Materials:**

1. **Textbook:** Algebra 1- Concepts and Skills  
McDougal Littell
2. **Notebook or Binder**
3. **Folder-** for any assignments, handouts, and homework
4. **TI-84 Plus Calculator**

**Topics to be covered:**

<b>Units</b>	<b>Topic</b>
1	Patterns
2	Equalities and Inequalities
3	Functions
4	Linear Functions
5	Scatter Plots and Trend Lines
6	Systems of Equations
7	Intro to Exponential Functions
8	Quadratic Functions
<b>Mid-Term Exam (January 2017)</b>	
<b>Final Exam (June 2017)</b>	

**Grading Scale:**

<b>Assignment Type</b>	<b>Weighted Average</b>
Assessments	60%
Classwork	20%
Disposition toward learning	10%
Homework	10%
<b>Total</b>	<b>100%</b>

**Common Formative Assessments: (CFA)**

CFA's will be given before, during, and at the end of each unit to assess your individual progress within the lessons. They will be graded on a *Wilby H.S. 21<sup>st</sup> Century Student Learning Expectation Rubric*.

**Make-up Assignments:**

Students who are absent on the day the assignment is given, have 3 Days to make-up the work before it is marked "LATE". If you are absent on the day an Exam is given, you must take it on the day you return to school.