**Algebra 1**

**Credit:** 1 unit **Ms. Myrna I. Torres**

**Course Number: 27.0990014 myrnatorres@lowndes.k12.ga.us**

**Course Description:**

**Algebra I** is the first course in a sequence of three required high school courses designed to ensure career and college readiness. The course represents a discrete study of algebra with correlated statistics applications.

The standards in the three-course high school sequence specify the mathematics that all students should study in order to be college and career ready. Additional mathematics content is provided in fourth credit courses and advanced courses.

**Objectives:**  Students will…

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| **Unit 1**  \*Interpret the structure of expressions and solve problems related to unit analysis**.**  **\***Know the properties of rational and irrational numbers.  \*Classify, add, subtract, and multiply polynomials, discretely and in context.  \*Rearrange formulas to highlight a quantity of interest.  \*Use algebraic properties to justify steps in solving equations. | **Unit 2**  \*Analyze linear functions.  \*Investigate key features of graphs. \*Create, solve, and model graphically linear equations and inequalities in one and two variables.  \* Create, solve, and model graphically systems of linear equations and inequalities in two variables. | **Unit 3**  \*Analyze quadratic functions. \*Investigate key features of graphs. \*Solve quadratic equations by taking square roots, factoring, completing the square, and using the quadratic formula.  \*Compare and contrast graphs in standard, vertex, and intercept forms. |
| **Unit 4**  \*Analyze exponential functions.  \*Investigate key features of graphs. \*Create, solve, and model graphically  exponential equations. | **Unit 5**  \*Compare and contrast linear, quadratic, and exponential functions in in context, by their equations, and graphically.  \*Classify functions as even, odd, or neither.  \*Recognize arithmetic sequences as linear functions and geometric sequences as exponential functions. | **Unit 6**  \*Summarize, represent, and interpret data on a single count or measurement variable.  \*Summarize, represent, and interpret data on two categorical and quantitative variables.  \*Interpret linear models. |

**Materials Needed:**

1. Notebook (3-ring binder; 2 inch) 2. Notebook Paper

3. Pencils w/Erasers **No pens allowed** 4. Scientific Calculator 5. Color Pencils/Highlighters (recommended: TI30XS Multi-View)

**Grading Scale:**

# Unit Assessment: 40% Quiz Grades: 20% Daily Grades: 20% Final/EOC: 20%

Students will take an end-of-course assessment at the end of the semester which counts as the final exam. This is a state-mandated, standardized test. It is the student’s responsibility to make up missed assignments due to absences. All assignments must be made up within 3 days.

Teachers will update grades every Monday by 4 pm. Parents may access grades through Infinite Campus Parent Portal, an online service. To sign up for Infinite Campus Parent Portal, parents should contact the student’s guidance counselor.

**Tutoring:**

Extra help is available from 3:00 to 3:40 after school. I am available Monday and Wednesday afternoons. Student **must** notify me the **day before** that he is coming for tutoring. This will help in case there is a cancelation due to any conflict with the teacher’s meeting.

**Discipline Plan:**

Expectations: be prepared for class (book, paper, pencil, homework, etc.); respect others and their property; do not interfere with the learning of others; and follow directions.

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###### **Consequences**

1st Offense: Warning from teacher 2nd Offense: Student/Teacher conference

3rd Offense: Parent Contact 4th Offense: Written referral to office

For all offenses after the 4th, the student may be referred to an administrator.

Severe disruptions or misbehavior will result in immediate referral to an administrator.

**Dress code, cell phone, and the tardy policies will be enforced.**

**Teacher/Parent/Student Contact:**

Daily reminders will be sent to students and/or parents via texts/emails concerning homework assignments and assessments through the secure website of **Remind**. Remind is a safe way for teachers to text/email students and stay in touch with parents. Teachers and subscribers never see phone numbers or email addresses. Participation is strictly voluntary and standard text messaging rates apply. Students and parents acknowledge that Lowndes County Schools, faculty, and staff are not responsible for any text messaging fees that may incur. Please visit [Remind.com](http://www.remind101.com) to learn more.

To receive reminders, please follow the instructions below.

**STEP 1**: Subscribe to the appropriate class…

* Block 1**:** Text **@mtorres1** to 81010 or email to [mtorres1@mail.remind.com](mailto:mtorres1@mail.remind.com)

To **unsubscribe** at any time, text " unsubscribe @mtorres1"

* Block 2**:** Text **@mtorres2** to 81010 or email to [mtorres2@mail.remind.com](mailto:mtorres2@mail.remind.com)

To **unsubscribe** at any time, text " unsubscribe @mtorres2"

* Block 3: Text **@mtorres3** to 81010 or email to [mtorres3@mail.remind.com](mailto:mtorres3@mail.remind.com)

To **unsubscribe** at any time, text " unsubscribe @mtorres3"

* Block 4**:** Text **@mtorres4** to 81010 or email to [mtorres4@mail.remind.com](mailto:mtorres4@mail.remind.com)

To **unsubscribe** at any time, text " unsubscribe @mtorres4"

**PLEASE COMPLETE THE INFORMATION AND SIGN TO INDICATE THAT YOU AND YOUR CHILD HAVE READ THE SYLLABUS.**

**Block\_\_\_\_\_\_\_\_**

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**Student name (printed) Student signature Date**

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**Parent name (printed) Parent signature Date**

**Parent Contact Information:**

**EMAIL\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Phone #\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**(please print neatly)**

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