

# CCGPS Algebra I

## Jonesboro Middle School



Teacher(s): Ms. Ayana Raines

Room Number: 804

Semester: Fall 2016

Textbook: Pearson Algebra I Common Core

Textbook Price: \$87.97

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Tutorial Days: By Appointment

Tutorial Hours: By Appointment

Tutorial Location: Room 804

**Department Philosophy:** Believing that every student is capable of learning mathematics, opportunities are provided for all students to strive toward their maximum potential and to increase their confidence in themselves and in their own abilities. Teachers and parents work together in helping students to appreciate mathematics, to grow more proficient mathematically, and to realize that mathematical skills are stepping stones to success. Mathematics instruction must continue to grow to meet the changing demands of our society. Literacy in Mathematics requires understandings and habits of mind that enables citizens to make sense of our world, to think critically and independently, to recognize and weigh alternative explanations, and to deal reasonably with problems that involve numbers, patterns, and logical arguments.

### 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 including pre-calculus, calculus, advanced statistics, discrete mathematics, and mathematics of finance courses. High school course content standards are listed by conceptual categories including Number and Quantity, Algebra, Functions, Geometry, and Statistics and Probability. Conceptual categories portray a coherent view of high school mathematics content; a student's work with functions, for example, crosses a number of traditional course boundaries, potentially up through and including calculus. Standards for Mathematical Practice provide the foundation for instruction and assessment.

### Course Prerequisites:

**Core Course/1 Carnegie unit/1 year. This course has a state mandated End of the Course Test**

### Course Outline:

<b>Week 1</b>	Screening/Review	<b>Week 10</b>	Unit 2: Reasoning with Linear Equations and Inequalities
<b>Week 2</b>	Unit 1: Relationships Between Quantities and Expressions	<b>Week 11</b>	Unit 2: Reasoning with Linear Equations and Inequalities
<b>Week 3</b>	Unit 1: Relationships Between Quantities and Expressions	<b>Week 12</b>	Unit 3: Modeling and Analyzing Quadratic Functions
<b>Week 4</b>	Unit 1: Relationships Between Quantities and Expressions	<b>Week 13</b>	Unit 3: Modeling and Analyzing Quadratic Functions
<b>Week 5</b>	Unit 1: Relationships Between Quantities and Expressions	<b>Week 14</b>	Unit 3: Modeling and Analyzing Quadratic Functions
<b>Week 6</b>	Unit 1: Relationships Between Quantities and Expressions	<b>Week 15</b>	Unit 3: Modeling and Analyzing Quadratic Functions
<b>Week 7</b>	Unit 2: Reasoning with Linear Equations and Inequalities	<b>Week 16</b>	Unit 3: Modeling and Analyzing Quadratic Functions
<b>Week 8</b>	Unit 2: Reasoning with Linear Equations and Inequalities	<b>Week 17</b>	Unit 3: Modeling and Analyzing Quadratic Functions
<b>Week 9</b>	Unit 2: Reasoning with Linear Equations and Inequalities	<b>Week 18</b>	Unit 3: Modeling and Analyzing Quadratic Functions/ <b>Review and Final</b>

*\* The teacher reserves the right to alter or change any part of this course syllabus to better suit the need of the students.*

**Major Course Requirements: Projects (TBA)**

**Course Evaluation Categories:**

Classwork 25%  
 Tests 20%  
 Quizzes 10%  
 Projects/Task 10%  
 Homework 15%  
 Final Exam/EOG 20%

**Grading Scale**

A: 90-100  
 B: 80-89  
 C: 71-79  
 D: 70  
 F: 69 and below

**Required Materials/Supplies:**

• 1- Composition Notebook	• Highlighters
• 1- One Subject Notebook (at least 100 pages)	• Colored Pencils
• Pencils	• Box of Tissue
• Loose-leaf Paper (wide or college ruled)	• Hand Sanitizer/Wet Wipes

**Websites, Programs and remediation tools:**

• <a href="http://www.ixl.com">www.ixl.com</a>	• <a href="http://www.hoodamath.com">www.hoodamath.com</a>
• <a href="http://www.edmodo.com">www.edmodo.com</a>	• <a href="http://www.khanacademy.org">www.khanacademy.org</a>
• <a href="http://www.icoachmath.com">www.icoachmath.com</a>	• <a href="http://www.xpmath.com">www.xpmath.com</a>

**What are your Classroom /Behavior Expectations?**

I will come prepared and turn off all electronic devices.	I will raise my hand before speaking.
I will ask for permission before leaving my seat.	I will speak to my classmates and teachers with respect and integrity.
I will listen attentively and respectfully.	I will respect myself, respect others and respect property.
I will be held accountable for all of my actions.	I will dispose of all of my trash at the end of class.
I will go to my locker during assigned locker breaks or unless I have permission from my teacher.	I will behave appropriately and responsibly in the hallways and in the restroom.

**WHAT IS YOUR POLICY FOR MAKE-UP WORK?**

**Make-up Policy:** IT IS THE STUDENT'S RESPONSIBILITY TO OBTAIN AND COMPLETE MAKE-UP WORK. If you have an excused absence, you will be allowed the same number of days as your absence in order to make up work missed. Make-up work must be done after or before school, **NOT** during valuable class time.

**Acknowledgment of Receipt:** By signing below, the student and parent/guardian acknowledge that they have read and understood the contents in the **2016-2017 CCGPS Algebra I** syllabus.

**\*PLEASE SIGN & RETURN TO Ms. Raines by Friday, September 16, 2016\***

Student Name (Print)\_\_\_\_\_ Date\_\_\_\_\_

Student Signature\_\_\_\_\_ Date\_\_\_\_\_

Student Email\_\_\_\_\_

Parent Name (Print)\_\_\_\_\_ Date\_\_\_\_\_

Parent Signature\_\_\_\_\_ Date\_\_\_\_\_

Parent Email\_\_\_\_\_

Parent Contact # \_\_\_\_\_