



# Algebra I Enrichment Course Information Form

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Conferences available periods A1 and B4

**Course Description:** The fundamental purpose of this course is to remediate, close learning gaps, and assist students to develop a stronger balance of procedural skill and fluency, conceptual understanding, and conceptual applications in real-world scenarios. Students enrolled in Algebra I Enrichment should also be enrolled in a standard Algebra I course. While this is a separate stand-alone course, its primary goal will be to support the concepts being learned in the Algebra I course.

**Course Outline:** The Algebra I Enrichment curriculum includes, but is not limited to the following general strands:

## First Quarter

Unit 1	Real Numbers and Properties
Unit 2	Quantities and Relationships
Unit 3	Graphs, Equations, and Inequalities
Unit 4	Linear Functions
Unit 5	Sequences

## Second Quarter

Unit 6	Systems of Equations
Unit 7	Systems of Inequalities
Unit 8	Analyzing Data Sets for One Variable
Unit 9	Analyzing Data Sets for Two Quantitative Variables
Unit 10	Analyzing Data Sets for Two Categorical Variables

## Third Quarter

Unit 11	Graphs of Linear and Exponential Functions
Unit 12	Radicals
Unit 13	Polynomial Expressions

## Fourth Quarter

Unit 14	Rational Expressions and Functions
Unit 15	Solving Quadratic Equations
Unit 16	Graphs of Quadratic Functions
Unit 17	Tools of Geometry

**Materials Needed:** Students will be expected to bring the following items to class on a daily basis;

- 1) Textbook - *Florida Algebra 1 Common Core*: Pearson, 2015.
- 2) 3-ring binder (rings at least 2") with all work in chronological order
- 3) Notebook & Graph paper
- 4) Scientific Calculator - Cell phones may *not* be used as calculators.
- 5) At least 2 pencils

**Student Evaluation:** Regular evaluation of students takes part on a daily basis. Student grades will be based on 4 different categories:

**1) Tests / Projects (30%)**

This category represents major chapter or unit tests in the nine-week period, as well as a wide variety of projects which will be assigned throughout the year. These projects will be counted as test grades, and be scored based on a rubric specifically designed for the given project. Students will be provided with scoring rubrics at the time the project is assigned.

**2) Classwork / Homework (30%)**

Homework will be given on a daily basis, and is expected to be in class and completed when it is due. Late homework will not be accepted. Students who are absent are expected to get the assignments that they missed from the assignment board, and have them turned in as soon as possible. Absent students will have no longer than the number of days absent to get make-up work turned in. See the homework scoring rubric below for more details on homework grades.

**3) Online Software (30%)**

A large portion of our class time will be spent using online support and remediation software. This include I-Ready, Algebra Nation, MathXL, and Carnegie Learning programs.

**4) Warm-Ups / Exit Slips / Class Presentation (10%)**

Each class period will begin with 3-5 warm up problems intended to launch into the day's lesson. Warm-ups will review prior knowledge needed for the lesson, or assess understanding of recently learned topics. Exit slips will assess understanding of the basics of the daily lesson. In addition, students will be expected to present selected problems to the class throughout the quarter.

**FSA End of Course Exam**

This year, the list of Florida State Assessments (FSA) includes an End-of –Course exam for Algebra I. While the FSA will not affect your grade in this course, we will be working during the course to ensure your success on this test. It is required that you pass this test for graduation.

**Homework Scoring Rubric:** Daily work will receive one of four possible grades based on the following rubric:

**✓+ (100%)**

- and* \* All problems are completed.
- and* \* All conditions of the problems are satisfied.
- and* \* All or most of the answers are correct.
- and* \* Student answers word problems in complete sentences, restating the question in their answer.
- and* \* Student shows work or explains problem steps in sentences.
- and* \* Work is neat and easy to follow.

**✓- (70%)**

- and* \* Between 70% - 100% of the assignment is complete.
- and* \* Most of the conditions of the problems are satisfied.
- and* \* Most of the answers are correct.
- and* \* Student answers word problems in complete sentences, but does not restate the question in their answers.
- and* \* Student shows work or explains problem steps in sentences.
- and* \* Work is neat and easy to follow.

**× (50%)**

- or* \* Between 50% - 70% of the assignment is complete.
- or* \* Fewer than 70% of answers are correct even if complete.
- or* \* Student does not answer questions in complete sentences.
- or* \* Work is not neatly organized or difficult to follow.

**0 (zero %)**

- or* \* Less than 50% of the assignment was completed.
- or* \* Assignment only contains a list of answers (correct or not)
- or* \* Answers are incorrect and not thought out, even if complete.
- or* \* Work is not neatly organized or difficult to follow.
- or* \* The assignment was not turned in.
- or* \* Student was absent and did not make up the assignment.

**Extra Help:** Extra help is available on most Tuesdays after school in room 112 . It is also available through the school's National Honor Society and RED. Students should come to extra help with specific questions, as extra help time will not be devoted to re-teaching class material due to inattentiveness during class time or absence.

### **Classroom Rules:**

- 1) **Be on Time.** There is a lot to learn, and we need all of the time we have.
- 2) **Come in, go straight to your seat, and stay there unless you have been given permission to move.** You may sharpen your pencils before class, and throw away your trash on your way out.
- 3) **Show respect towards other people, their opinions, and their things.** You want and deserve the same respect shown toward yourself. Raise your hand and wait to be called on before speaking. Do not touch things that do not belong to you.
- 4) **Please come to class prepared.** In order to learn what we need to, you will need a pen, pencil, paper, your textbook, your notebook, and a calculator.
- 5) **No food, drink, candy, or gum is allowed.** Class time is not snack time. You may bring bottled water if necessary.
- 6) **No unauthorized electronic devices.** Cell phones, iPods, laptops, or any other electronic devices are not needed for class. Remember, "No Cell, bell-to-bell." We will be using student lap-tops for a large portion of our curriculum. It is imperative that students use technology appropriately, and only for the assigned work.
- 7) **Students are dismissed by the teacher, not the bell.**
- 8) **Respect the authority of all school personnel.** We are *all* here to help you!!