Ms. M. Bell
bellmarp@mail.orange.k12.nj.us
Available by Appointment

Algebra 1 Syllabus

Course Description

Algebra 1 provides a formal development of the algebraic skills and concepts necessary for students to succeed in advanced math courses. During this course, students will solve problems and work with many different representations of mathematical concepts, ideas, and processes to better understand the world. The topics of the course include patterns and multiple representations, proportional reasoning, percent, and direct variation, solving linear equations , linear functions and inequalities, writing and graphing linear equations, lines of best fit, systems of equations and inequalities, quadratic functions, properties of exponents, polynomial functions, rational expressions, probability, statistical analysis, and quadratic and exponential function and logic.

Academic Requirements and Expectations

- Each student will be expected to know and demonstrate mastery of the areas of study itemized in the Course Description.
- Each student will be expected to demonstrate the level of their mastery in several ways:
    1. Daily Course Work: Quizzes, Tests, Exit and Entrance Slips, Authentic Assessment, Class Work and Homework
    2. PARRC On-Line Assessments and any other state mandated assessments
    3. OPA Mathematics Department Assessments
    4. Annual Student Portfolios

Behavioral Expectations

- Every student is expected to report to class with the appropriate materials: textbooks, notebook, binder, pencil, and completed assignments.
- Every student is expected to report to class prepared with the appropriate attitude that supports their full engagement and participation in the learning experience.
- Each student is expected to comport themselves in accordance with all of the specific classroom procedures established in their course section.
- In general, each student is expected to follow all of the rules and regulations outlined in the Orange Preparatory Handbook and student enrollment documentation.

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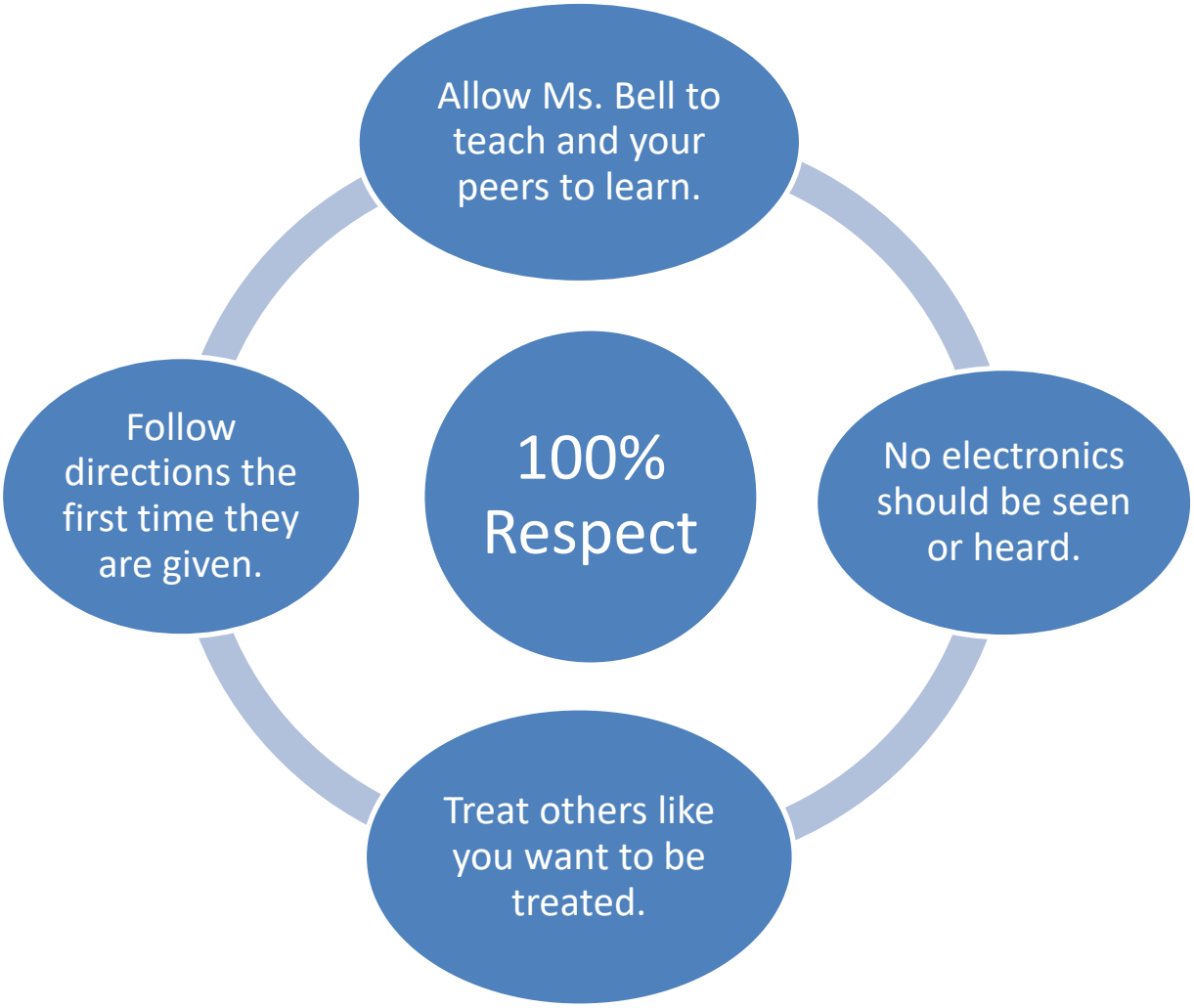
Class Rule with Interpretation



Course Material

- Carnegie Textbook – Volume 1 and Volume 2
- Online Student Account : carnegielearning.com
  Username : student id number
  Password: student id number

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Required Materials/Supplies

- Notebook(s) – Size and style are not important, however each student should have enough pages for the whole year. If single subject notebooks are preferred, at least 4 or 1 per marking period will be needed.
- A 1-inch binder or folder to hold handouts, returned work and study materials
- Pencils – at least 40 so they will have 1 per week of school
- Optional: box of tissue and/or a bottle of hand sanitizer

Grading Policy

Students will be assessed according to the following Orange Board of Education approved policy. The marking period grade will be based on the following:

I have read the Intensified Algebra 1 Course Syllabus and its guidelines. I understand that I am responsible for meeting all of the listed requirements and guidelines in order to succeed in this course.

Category	Minimum # per Marking Period	Percentage of Grade
Tests	3	25
Quizzes	6	20
Class Work	15	20
Authentic Assessment	4	25
Homework	9	10

_____

Student Name (Printed) Student Signature Date

_____

Parent Name (Printed) Parent Signature Date

Parent Phone Number _____ Best time to call _____

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CONTENT RUBRIC				
Level 5: Distinguished Command	**Level 4: Strong Command**	**Level 3: Moderate Command**	**Level 2: Partial Command**	**Level 1: No Command**
Clearly constructs and communicates a complete response based on concrete referents provided in the prompt or constructed by the student such as diagrams that are connected to a written (symbolic) method, number line diagrams or coordinate plane diagrams, including: • **a logical approach** based on a conjecture and/or stated assumptions • **a logical and complete progression of steps** • **complete** justification of a **conclusion** minor computationl error	Clearly constructs and communicates a complete response based on concrete referents provided in the prompt or constructed by the student such as diagrams that are connected to a written (symbolic) method, number line diagrams or coordinate plane diagrams, including: • **a logical approach** based on a conjecture and/or stated assumptions • **a logical and complete progression of steps** • complete justification of a conclusion **with minor conceptual error OR partial** justification of a **conclusion**	Clearly constructs and communicates a complete response based on concrete referents provided in the prompt or constructed by the student such as diagrams that are connected to a written (symbolic) method, number line diagrams or coordinate plane diagrams, including: • **a logical, but incomplete, progression of steps** • minor calculation errors • **partial** justification of a **conclusion**	Constructs and communicates an incomplete response based on concrete referents provided in the prompt such as: diagrams, number line diagrams or coordinate plane diagrams, which may include: • **a faulty approach** based on a conjecture and/or stated assumptions, however approach follows a logical progression • **An illogical and Incomplete progression of steps** • **major calculation errors** • **partia**l justification of a **conclusion** OR • **a logical, but incomplete, progression of steps that lacks major components of the conclusion**	The student attempts problem but provides very little or irrelevant work

	PLD	**Conversion**
Rubric Scoring	PLD 5	100
	PLD 4	89
	PLD 3	79
	PLD 2	69
	PLD 1	59

Note: Students who provide no work receive zero for the assignment