Algebra 1R   Syllabus   Mr. Bo

Overview:

Algebra 1R is aligned to the national Common Core Standards. The fundamental purpose of this course is to extend and formalize the mathematics learned in the middle grades. The major content emphases include Reasoning with equations and inequalities, Interpreting Functions, and Interpreting Categorical and Quantitative Data. The Mathematical Practice Standards apply throughout the course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Common Core **Mathematical Practice Standards**
1. Make sense of problems and preserver in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

Team Work:

Working with others is a skill that is needed throughout life. Throughout the course, students will have many opportunities to work with classmates. Students will be able to discuss ideas and predictions to different problem situations; present calculations and solutions to questions; and analyze, critique and suggest, or support classmates' answers to problem situations.

Course Participation:

Completing homework assignments is a necessary part of classroom participation. Participation incentives will be provided based on homework completion as follows:
- **2 bonus points** will be awarded on a unit test if homework is 100% complete for that unit.
- **Lowest quiz score will be dropped** at the end of the marking period. *(**Minimum of 3 quizzes must be given in the marking period.**)*

Class work & Homework:
- Homework will be assigned on a daily basis.
- At the beginning of each class period students will be given an opportunity to check the correctness of their homework and to discuss questions with each other and the teacher.
- Homework will be checked for completeness, while students are checking their answers.
- Homework assignments will receive a grade out of 4 possible points based on the following:

4 Points	2 Points	0 Points
• Shows evidence of High effort. • All or most problems completed. • Done on time.	• Displays evidence of medium effort. • Noticeably incomplete. • Up to two days late.	• Displays evidence of low effort. • Few or no problems done. • More than two days late • Not legible

Quizzes & Tests:
- Quizzes will be given on a regular basis and may be unannounced.
- Tests will be given at the end of most units.
- Any missed quiz not made up within 3 days will be considered a zero.
- Any missed test not made up within 1 week will be considered a zero.
- Missed test and quizzes will be made up in the Math Lab.
- Mr. Bo will give a limited number of reminders to make up missed work. **It is the student's responsibility to make up all missed tests and quizzes in a timely fashion.**

Course Grading:
Each marking period grade will be calculated based on the following:

Tests 50%
Quizzes/Homework/Notebook Checks/Participation 50%

Final Course Grade will be computed as follows:

$$course\ grade = \frac{mp1 + mp2 + mp3 + mp4 + regents\ exam}{5}$$

Additional Help:
- Mr. Bo is available during his lunch and afterschool by appointment.
- Check out Mr. Bo's teacher web page (located on the district website)

Academic Honesty:
It is expected that all students abide by the academic honesty rules set forth in the student handbook.

Algebra 1R   **Mr. Bo**

Course Outline

Chapter 1 – Quantities & Relationships   **Chapter 9 –** Correlation and Residuals

Chapter 2 – Graphs, Equations, Inequalities   **Chapter 10 –** Analyzing Data (2 Variables)

Chapter 3 – Linear Functions   **Chapter 11 –** Quadratic Functions

Chapter 4 – Sequences   **Chapter 12 –** Polynomials & Quadratics

Chapter 5 – Exponential Functions   **Chapter 13 –** Solving Quadratic Equations
                                                                 & Inequalities

Chapter 6 – Systems of Equations   **Chapter 14** – Real Number Systems

Chapter 7 – Systems of Inequalities   **Chapter 15** – Other Functions & Inverses

Chapter 8 – Analyzing Data Sets (1 Variable)   **Chapter 16** – Mathematical Modeling

Course Materials

1. Writing Utensil –
- Pen or Pencil may be used through out the course.
- You may use any color you wish, even multiple colors if you'd like, but please avoid using light colors that are not easily seen on white paper.

2. Suitable Notebook –
- A 2 inch (minimum) 3-ring binder – to hold notes and handouts.
- Dividers or page protectors.

3. Calculator –
- A classroom calculator will be assigned to you. This calculator can only be used in the classroom.
- You are strongly recommended to purchase your own TI-83 or 84 for use outside of class.

4. Text Book – Carnegie Learning Algebra 1
- Student Text (Volume 1 and 2)
- Student Assignments
- Student Skills Practice

Mr. Bo's
Classroom Rules & Expectations

Classroom Rules:
1. Be **RESPECTFUL** to everyone.

2. Be **RESPONSIBLE** for your own learning.

3. Be **READY** to learn.

Expectations: Each day Mr. Bo expects you to:
1. Come to class on time.
2. Come to class with all your materials.
3. Use appropriate behavior and language at all times.
4. Ask for a pass before leaving the room during class time.
5. Follow all teachers directions to the best of your ability.
6. Complete all assignments on time.
7. Make up all missed assignments.
8. Seek out extra help when you need it.
9. Refrain from using restricted electronic devices (**cell phones & Ipods!**)
10. Abide by the school academic honesty code.

Consequences:
1. Verbal warning.
2. Detention.
3. Parent phone call.
4. Conduct form.
5. Removal from class.

Tardiness & Truancies

- You will receive a detention anytime you come to class late without a valid hall pass.

- You will receive a detention every third time you are late without a valid pass.

- Excessive Tardiness will result in a conduct form.

- Truancies will not be tolerated and will result in an immediate conduct form. You will receive a zero on any assignment or test that missed due to truancy.