Mrs. Bourque  
Algebra 1B   
Katrina.bourque@polk-fl.net  
http://mathwithmrsbourque.weebly.com/  
19-213

**Course Description**

Algebra 1B is a continuation of Algebra 1A, a mandatory class that will prepare students for higher-level math courses. Students will cover a variety of Algebraic concepts that require them to analyze and apply the knowledge they are learning. Students will take an End of Course Exam (EOC) in May.

**Course Progression**

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| --- | --- | --- | --- |
| **Semester 1** | | **Semester 2** | |
| **Quarter 1** | **Quarter 2** | **Quarter 3** | **Quarter 4** |
| * Fractions/Integers/   Prerequisite Skills | * Function Rules, tables **QUIZ** | * Systems of Equations- Substitution | * Radicals- Simplifying |
| * Equation Unit: One, two & multi-step **QUIZ** | * Extracting function rule from table | * Systems of Equations- Elimination | * Radicals- Adding, subtracting |
| * Proportions, Variables on both sides | * Standard form- graphing | * Systems of Equations- word problems **TEST** | * Radicals- Multiplying |
| * Word Problems * Equations **TEST** | * Writing equations from two points | * Exponents Unit: rules of exponents | * Quadratics Unit |
| * Inequality Unit: Solving Graphing one, two step | * Function **TEST** | * Exponent rules- zero,   Negative exponents | * Solving for roots, |
| * Multi-step inequalities **QUIZ** | * Equations of lines   Point Slope Form | * Multiplying & Dividing exponents **QUIZ** | * Quadratic Formula |
| * Compound Inequalities | * Writing lines in standard form | * Fractional exponents- Radicals | * Graphing Quadratics finding vertex |
| * Inequality **TEST** | * Slope, Line, Graphing **QUIZ** | * Exponential Graphs and Tables **QUIZ** | * Statistics, Box plots |
| * Slope Unit: Coordinate Plane | * Perpendicular Parallel Lines **QUIZ** | * Polynomial Unit: Add, subtract, multiply | * EOC REVIEW! |
| * Finding slope from a graph or 2 points | * Graphing Inequalities | * Factoring polynomials a=1 **QUIZ** | * EOC REVIEW! |
| * Intercepts: x and y | * Graphing Systems of Equations | * Factoring polynomials a>1 | * **EOC: End of Course Exam!** |
| * Slope-Intercept Form, Graphing | * Graphing Systems of Inequalities | * Factoring Special Cases | * Practical application of Algebra |
| * Slope **QUIZ** | * **MIDTERM** | * Polynomial **TEST** | * Final **EXAM** |

**Materials**

Three ring binder, Pencils, Loose leaf paper, Calculator (Students will use the TI-30Xa on the EOC.)

**Classroom Rules**

Students will be:   
1. **Prompt** (Be in class on time, every time.)  
2. **Polite** (Respect your teachers, your classmates, and yourself.)  
3. **Prepared** (Have your completed homework and all materials every day.)  
4. **Productive** (Successfully complete all tasks in a timely manner.)

**Consequences**

After the first week of school, any tardy students will go directly to the Choice Room. The Choice Room is also for students who must be removed during class time for disruptions including using their cell phone. In concordance with the George Jenkins’ cell phone policy, students’ phones must stay out of sight (in their backpack or in the provided pencil pouch) the entire class period unless directed by the instructor.

**Course Policies**

Any student who has more than three unexcused absences per quarter forfeits the opportunity to complete make up work for credit. If you are absent on a test day, be prepared to take the test after school on the day you return. Missed tests due to pre-excused absences and field trips must be arranged prior to the absence.

**It is very difficult to make up missing work. Do not miss Algebra 1 unless it is absolutely necessary.**

**Homework**

Homework is given to reinforce concepts taught in the classroom. Math is an ***applied*** subject. To get better, you must practice! On all assignments, you are required to **show your work**. Cheating of any kind will not be tolerated.

**Quizzes and Tests**Throughout the semester, you will have several quizzes and tests. All tests will be announced with ample time to study. Quizzes may be announced or unannounced. However, all material on tests and quizzes will come DIRECTLY from class lecture, discussion, and your homework.

**Grading Policy**

Grades will be administered on a point scale. Tests and projects will be worth 100 points, quizzes between 30-50 points, and class and homework 10-20 points.

**Additional Help**

Any time students need additional help, they are welcome to see me before or after school. I am available every Wednesday and Thursday after school until 2:45. Most every day, I am also available before school at 6:30am. Students are welcome to stay after school other days, however please let me know during class; there are times when I have conflicts after school and won’t be available.

Algebra 1B  
Mrs. Bourque

This is your first homework assignment. It is due on Wednesday, August 14th. You will receive 2 extra credit points if your parent/guardian emails me by Friday, August 16th with your child’s name and class period. Students, if you join Remind (text 81010) @bourque\_\_\_, you will receive an additional 2 extra credit points.

**Students:**

I have read the syllabus with my parents, and I am aware of the classroom policies.

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Student signature Date

**Parents:**

If you use email, please send me an email to katrina.bourque@polk-fl.net, with your child’s name and class period as the subject. I will periodically send mass emails concerning class updates and test dates.

I have read the syllabus with my child, and I am aware of the classroom polices.  
  
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Parent name (print) Phone Number

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Parent signature Email

Please note anything you would like to tell me about your child. Thank you.

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