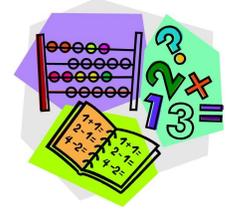


**Ms. Kolator**  
**8<sup>th</sup> Grade Algebra 1**  
**Course Overview and Requirements**



**Contact Me!**

Ms. Kolator

Phone: 973- 228-9115 Ext: 2213

Email: mkolator@staff.cwcboe.org

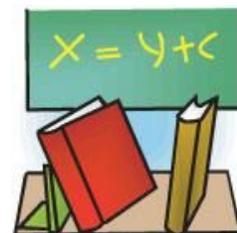
**Course Overview:**

Welcome to Algebra 1! This course is designed to cover the same topics and curriculum as the High School Algebra 1 class. Some of the concepts that we will be learning this year are:

- **Expressions, Equations, and Functions**-(7<sup>th</sup> Grade Pre-Algebra review) Order of operations, writing expressions, equations, and inequalities
- **Properties of Real Numbers**-(7<sup>th</sup> Grade Pre-Algebra review) Use integers, adding, subtracting, multiplying, and dividing real numbers, and distributive property.
- **Solving Linear Equations**-One-Step, two-step, multi-step equations, ratios, proportions, percents, and rewriting formulas
- **Graphing Linear Functions**-Graphing linear equations using intercepts, finding slope, and graphing using slope-intercept form
- **Writing Linear Equations**-Writing equations in slope-intercept form, point slope form, standard form, and of parallel and perpendicular lines.
- **Solving and Graphing Linear Inequalities**-Solve one-step and multi-step inequalities, solving absolute value equations and inequalities, and graphing linear inequalities in two-variables.
- **Systems of Equations and Inequalities**-Solve linear systems by graphing, the substitution method, and the addition method.
- **Exponents and Exponential Functions**-Apply exponent properties involving products and quotients, zero and negative exponents, and exponential growth and decay functions.
- **Polynomials and Factoring**-Addition, subtraction, and multiplication of polynomials, and factoring

**You Will Need:**

- ✓ A notebook/binder to keep notes, problem of the day, and handouts.
- ✓ Textbook
- ✓ Pencils



### Grading Policy:

- Tests, projects, presentations are worth 50% of your marking period grade.
- Quizzes, class work, warm-ups and/or exit slips are worth 40% of your marking period grade.
- We will **typically** have a quiz or test on a weekly basis.
- Homework averages are worth 10% of your marking period grade.



### Homework Policy:

Homework is essential for students to practice the skills learned each day in class. Homework is checked for completion the day after it has been assigned (unless otherwise noted). Homework will be graded on a scale of 0-2 points. Two points will be earned if the assignment is fully completed, 1 point will be earned if half of the assignment is completed, and 0 points if the assignment is not completed at all. For marking periods one and two, assignments that are handed in late during that time will be given half credit. *No credit will be given for a homework assignment that is 3 or more days late!* For marking periods three and four, no late assignments will be accepted.



### Power School

I will be using Power School throughout the year to keep you updated on your grades. Please make sure to check the website often and if there are any questions, feel free to contact me. I will try my best to update Power School as soon as I have graded any new assignments that were handed to me and will update homework weekly. I do not have access to your user name/passwords for these accounts, however, so please contact the main office if you do not have this information.

### \*\*\*IMPORTANT\*\*\*

I am available before and after school every day for extra help. Please see me to set up a specific time or day. I will do my best to accommodate all schedules.

I am looking forward to a great 8<sup>th</sup> grade year! ☺  
Please **sign** and **return** by 9/11/15.

Student Signature: \_\_\_\_\_

Parent Signature: \_\_\_\_\_