

## Porter Middle School

# Algebra 1B Spring 2012

### Instructor Contact Information

Stephen Worland - Room 1 – 818-920-2271 - [swarland@lausd.net](mailto:swarland@lausd.net)

If you need to get in touch with me, you can write me a note in the agenda and I will either call you or give you a written answer. One of the ways that worked well for some parents was to e-mail me. I am very good about answering e-mail and parents find that this very convenient. My e-mail address is [swarland@lausd.net](mailto:swarland@lausd.net). You can also leave me a voice mail message, but I only check those weekly, so notes or email work better.

### Web Site- [www.mrworland.com](http://www.mrworland.com)

I also have a web site at which I have a place for students to get the upcoming homework if they are absent. The site is [www.mrworland.com](http://www.mrworland.com). You can also e-mail me from that site. This site will have a calendar of what is happening in class, copies of important documents, links for the textbook, and other useful information. I will have example of projects that we are doing. You can also get copies of class rules and the class project there.

### Course Description

The purpose of this course is to serve as the vehicle by which students make the transition from arithmetic to symbolic mathematical reasoning. It is an opportunity for students to extend and practice logical reasoning in the context of understanding, writing, solving, and graphing problems involving linear and quadratic equations (including systems of two linear equations in two unknowns). In this course, students are expected to demonstrate their ability to extend specific problems and conditions to general assertions about mathematical situations. Additionally, they are expected to justify steps in an algebraic procedure and check algebraic arguments for validity.

### Course Objectives

#### REPRESENTATIVE PERFORMANCE OUTCOMES AND SKILLS

In this course, students will know and be able to:

- Interpret the meaning of variables and variable expressions
- Solve linear equations (including proportions) in one variable
- Apply the concept of absolute value to simple equations
- Graph a linear function by plotting points, using intercepts, and using the slope and y-intercept
- Sketch the region defined by a linear inequality
- Derive the equation of a line when given a variety of parameters for that line
- Solve inequalities in one variable (including those with absolute value)
- Solve systems of linear equations by graphing, using substitution, and using elimination
- Solve systems of linear inequalities by graphing
- Solve quadratic equations by graphing, finding square roots, using the quadratic formula, and factoring
- Simplify and perform arithmetic operations on and with rational expressions
- Solve rational equations
- Solve application problems using the above techniques

### Required Texts

We will be using Algebra 1: Concepts, Skills, and Problem solving your textbook. You will need to bring your textbooks to school every day unless I tell you not to bring them.

You can also find the textbook as a resource on line at [ca.algebra1.com](http://ca.algebra1.com). Select your book, go to student center and click online student edition. **The access code is: c0a0265464**

### Other Supplies

#### Expected Materials to have every day:

- Three ring binder with paper (Spiral Binders are not recommended)
- Agenda for keeping track of homework
- Pencils with erasers
- Pens
- Calculator(expected but not required)

### Assignments

#### Letter Grade Quizzes

There will be a quiz every Friday. These quizzes will be worth 20% of your grade. There will be no make up on quizzes. (See below)

#### Homework

There will be homework at least four times a week. These will be worth 20% of your grade. Failure to turn in homework will result in a "U" in Work Habits and can lower your letter grade. Homework is to be turned in daily. If you are absent you are responsible for making up all homework missed. Homework is listed on the sideboard and should be made up by the following Friday. Late Homework will not be accepted more than one week after the due date. Text books must be brought every day. Failure to bring textbook can result in a lowering of work habits grade.

**Tests**

There will be unit tests and a final for each semester. These will be worth 40% of your grade. Tests will be made up.

**Projects**

There will be projects throughout the year. These will be worth 20% of your grade.

**Grading Policies****Grading Policy:**

To show mastery of the subject, students that do not receive a C or higher and do not pass the districts Algebra EOC exam with a Proficient grade will need retake Algebra 1 in High School. My grading is set on the following scale:

|      |            |
|------|------------|
| A    | 100 – 89%  |
| B    | 88.9 – 79% |
| C    | 78.9 – 69% |
| D    | 68.0 – 55% |
| Fail | 54.9 – 0%  |

**Work Habits:**

Your Work Habits grade is based upon your Homework percentage: 85% and greater is an E 70% to 84% is an S 69% and less is Unsatisfactory.

**Cooperation:**

Your cooperation grade will be based upon classroom behavior and your ability to follow directions.

**Marking Policy**

Every 10 weeks I will throw out one missed homework grade and one missed quiz grade. If you missed a quiz, or did not turn in a homework assignment, it will not be counted. This is why I will not accept late homework or allow you to make up a quiz. This will help the absent student because they will not also miss the instruction that they would receive on the day that they are making up the quiz.

**Class Policies****Attendance**

Regular attendance is important since new material will be taught every day. If you are absent you are responsible for making up all homework missed. Homework is listed on the sideboard and should be made up by the following Friday. Failure to make up homework will affect both letter and work habits grade. Being late to class will affect both Cooperation and Work Habit grades.

**Expectations for Classroom Behavior Rules**

Follow Directions No conversations during lectures. No yelling or swearing

**Rewards**

Praise Class rewards (no homework and others) Positive comments in the agendas and phone calls to parents

**Consequences:**

1. First offense: Warning
2. Second offense: Stay 1 minute after bell
3. Third offense: Stay 1 minute after the bell and Parent is contacted after school
4. Fourth offense: Send to Dean

**Student's Name** \_\_\_\_\_

**Please sign and return this letter so I may keep it on file.**

I have read and understand the above and agree to follow the instructions.

\_\_\_\_\_  
Student's Signature\_\_\_\_\_  
Date\_\_\_\_\_  
Parent's Signature\_\_\_\_\_  
Date