

# Algebra 2 AB

## Materials/Textbook:

Smith, Stanley A, Randall I Charles, John A Dossey and Marvin L Bittinger. Algebra 2 with Trigonometry. Pearson Prentice Hall, New Jersey, 2006.

Student Companion Site:

<http://www.phschool.com/webcodes10/index.cfm?fuseaction=home.gotoWebCode&wcprefix=ajk&wcsuffix=0099>

## 1<sup>st</sup> Semester Topics (Chapters 2-8)

- Equations and Inequalities
- Relations, Functions, and Graphs
- Systems of Equations and Problem Solving
- Polynomials and Polynomial Equations
- Rational Expressions and Equations
- Powers, Roots, and Complex Numbers
- Quadratic Equations

## 2<sup>nd</sup> Semester Topics (Chapters 7,9,10,12,14,15,16)

- Powers, Roots, and Complex Numbers
- Quadratic Functions and Transformations
- Equations of Second Degree
- Arithmetic and Geometric Series
- Exponential and Logarithmic Functions
- Counting and Probability
- Statistics and Data Analysis

*Parents and students are recommended to check students' progress and the most updated class information throughout the semester via internet by visiting my website at [www.thepowerofmath.com](http://www.thepowerofmath.com). Grades are updated many times a week and should be checked often.*

## Grading Policy

Grades are calculated as follows:

Assignments (i.e. homework, classwork, *projects)	13%
Participation (attendance and cooperation; including *warm-ups)	14 %
Tests/Quizzes	58 %
Final	15%

The Final Grade for the semester will be on a standard percentage scale.

*\*may or may not be assigned*

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**2011-2012**

A: 100%-90%; B: 89%-80%; C: 79%-70%; D: 69%-60%; F: 59% or below

Homework is assigned homework every day and is due the next school day at the beginning of class (before the bell). Each homework assignment is worth **5 points** and graded on percent completed (20% = 1 pt.; 40% = 2 pts. ; 60% = 3 pts. ; 80% = 4 pts. ; 100% = 5 pts. ) with proper work shown. Note: homework may be worth more points when given as review

Project(s) may be assigned throughout the semester. A student portfolio that includes a collection of all the work related to this class including notes will be due at the end of the semester.

Participation points are earned on a daily basis by attending, participating, cooperating in class and arriving on time. (This includes warm-ups.) Students will receive 5 points for each day of participation. Students will also receive participation points for getting their graded tests signed by a parent or guardian and turned in within one week from the day the graded tests are returned to them.

Tests will be given with at least one day notice (see semester plan). Tests will always be similar to the homework problems assigned. The number of possible points of a test may vary.

Quizzes can be given at any time. The number of possible points of a quiz may vary.

Extra Credit can be offered at any time. Extra credit can be offered as a bonus problem on a test or as student participation on the board (where a student completes a problem on the board and explains it to the class for two points extra credit) or answering a question that no other student can answer. Extra credit points are always one to two points.

Make-up work: Only assignments that are missed due to an *excused absence* will be accepted late.

- If a test/quiz is missed due to an excused absence the student must notify the teacher immediately upon their return otherwise 0 (zero) credit will be given. A maximum of two exams can be made up due to excused absences. There are no make-ups for pop-quizzes, but may be excused (see teacher).
- Homework assignments can be made up if it they are missed due to an excused absence and will be due on the second day of the students return but homework that was due the day of the absence will be due the on their first day back to class.

A cumulative final will be given.

I reserve the right to change the class policy to suit the best interest of the students.

*\*may or may not be assigned*