Advanced Algebra II

Course Syllabus 2017-2018

**Instructor:** Ms. Hanson

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**Tutoring:** after school

**Advanced Algebra: Applications, Equations & Graphs Course Description:**

This is a continuation of Intermediate Algebra. In this course we will explore sequences and series as well as exponential, logarithmic, and rational functions. We will simplify, solve and graph these various functions and apply them to solve real-life problems. We will also explore various parent functions and how transformations affect the symbolic and graphical forms.

**Course Outline:**

Unit 1— Sequences and Series- (Chapter 11)

Unit 2—Rational Equations and Functions- (Chapter 9)

Unit 3— Exponential and Logarithmic Functions- (Chapter 8)

Unit 4 — Transformations of Functions

\*we will occasionally review previous algebra concepts as well

**Supplies Needed:** The following materials should be brought to class each day:

1. Textbook: Algebra 2; McDougal Littell; 2004
2. Sharp pencils and eraser
3. Notebook & folder (or 3-ring binder with paper)
4. Graph paper
5. Completed homework
6. Graphing calculator (TI-84+, TI-84+silver, TI-83+, TI-*n*spire)
7. Planner (needed for passes out of class)
8. Also suggested: colored pencils, ruler, and post-it pad.

**Expectations:** You are expected to …

* Learn, allow others to learn, and allow the teacher to teach.
* Ask for help when you need to and help others when you can.
* Be prepared and on time for class each day (with homework completed).
* Pay attention, have a constructive attitude, and try your hardest!
* Leave cell phones and food somewhere else (or silent and invisible☺).
* Take tests and quizzes on the day of the test (make-up within one week).
* Demonstrate maturity, respect toward self and others, and behave appropriately.
* Follow all school rules.
* Treat others as you would like to be treated.
* Learn, allow others to learn, and allow the teacher to teach.

**Evaluation:** Grades will be based on your performance on each of the following categories:

15% Daily work/homework/projects

75% \*Tests & Quizzes

10% Final Exam (District Common Assessment)

*\*If you wish to re-take a quiz or test on which you did poorly, see your teacher.*

**Grading Scale:**

A 93-100% B- 80-82% D+ 67-69%

A- 90-92% C+ 77-79% D 63-66%

B+ 87-89% C 73-76% D- 60-62%

B 83-86% C- 70-72% F below 60%