

Algebra II Course Syllabus Fall 2016

Contact Information:

Teacher: Mrs Nakanishi

E-mail: tnakanishi@aacps.org

Planning period: 3B and 2A

Pride Period availability: Tuesday, Wednesday, Friday, first lunch.

Phone: 410-674-6500

Course Description:

This course will expand students' knowledge of functions to include exponential, logarithmic and power functions by examining real-world problems. Students will gain an understanding of the characteristics and transformation of functions. Students will be able to perform algebraic processes. Students will be able to identify and graph specific relations and functions. Students will be able to organize his/her/their approach to the solutions of problems using appropriate problem solving strategies. Graphing calculators are required. It is recommended that a student earned a "C" or better in Algebra I and Geometry credit or concurrent enrollment in Geometry. Successful completion provides a gateway for college level mathematics.

Course Expectations:

Students are expected to do a warm up at the beginning of class to activate their math thinking skills. After the warm-up, there will be a lively discussion of what students are going to learn that day and why. The class will include active engagement strategies/classwork such as: open-ended problem solving, cooperative groups, lectures, and formative and informative assessments. Major assessments will be given at the end of each unit, with other assessments given periodically. Homework will be assigned every night.

Students may redo an assessment once after receiving feedback and re-teaching/intervention from the teacher. This may be done during Pride Period or afterschool, arrangements need to be made with their teacher. Students are expected to:

- Complete all assignments.
- Complete and have the following for the original assessment:
 - Write the **correct answer** for any problem that was incorrect on the assessment.
 - Rework **any problem that was incorrect on a separate sheet of paper** to get the correct answer/understand the mistake(s) made and attach the correction sheet to the original assessment **(if the student is not able to complete any problem correctly, the student is expected to come in for help during Pride Period and/or after school for help)**

The **higher grade for the assessment will be recorded** in the grade book. Retakes must be completed by the **5th class period after the assignment is returned or on the retake days offered** to students within this time period. Violation of the academic integrity policy is not eligible for redo.

Grading Plan:

The grading system complies with AACPS Board of Education Grading Policy, II-RA. Grades are earned by student to document mastery of course objectives, skills, content, and concepts.

Assessments (3-5 per Quarter) are 65% of the student's total grade. Any assessment given in the last week of the marking period is not eligible for redo. Classwork (at least 6 per Quarter) is 15% and homework (at least 6 per Quarter) is 10% of the total grade. All work must be shown to receive credit for classwork and homework. Classwork and homework are not eligible for redo. The quarterly exam is 10% of the total grade and is not eligible for redo.

Students are responsible for making up homework, quizzes, and tests when absent from class. Completion should occur upon returning to school within the time frame of the number of days the student missed. Unexcused absences will result in an automatic zero.

All assignments not submitted on the due date are considered late. Late assignments shall be penalized by a maximum of 50%. Late assignments must be submitted within five school days from the original date in order to receive credit. Late Summative Assessments cannot be resubmitted for a redo or an upgrade.

Grading scale:

Letter grade	Proficiency Level	Number Grade
A	Excellent mastery of standards is evident.	90 – 100%
B	Advanced mastery of standards is evident.	80 – 89%
C	Acceptable, average mastery of standards is evident.	70 – 79%
D	Partial mastery of standards is evident.	60 – 69%
E	Minimal or no mastery of standards is evident.	0 – 59%

Semester grades are determined by 50% from each marking period.