

BHMS Advanced Algebra 1 - 2014-2015 - Syllabus

Mrs. Janelle Stanton, janelle.stanton@bvsd.org, 720-561-8434

Welcome to Algebra 1! Throughout this course we will model and solve real world problems using algebraic tools and critical thinking. The content of this course is based on [BVSD's Advanced Algebra 1 Curriculum Essentials Document](#).

Timeline

Season	Themes	Sample Lesson Topics
Early Fall	Back to the Basics	Rational Number Computation, Math Vocabulary
	Linear Relationships	Graphs, functions, linear equations, slope, y-intercept
Fall/Winter	Systems of Equations	Solving linear equations by graphing, by substitution, and by elimination
	Inequalities and Absolute Value Functions	Compound inequalities and problem solving Summarize, represent, and interpret data sets
	Statistics and Probability	
Winter/Spring	Polynomials	Operations with many terms
	Exponents and Radicals	Operations with exponents, radicals, and complex numbers
	Quadratic Functions	Problem solving with quadratic equations
Late Spring	Exponential Functions	Graphs and problem solving
	Probability	Sequences and Series

Projects

In addition to regular class activity, math projects will be one form of assessment. A full description of these projects is posted on the course website (<http://www.stantonmathclass.com/>) with grading rubrics. The purpose of these projects is to:

1. Allow students to explore their own interests in more depth.
2. Provide opportunities for students to learn apply their learning to real world scenarios.
3. Share their learning with the larger BHMS community.

Required Materials: One math notebook (spiral or composition), loose leaf paper for homework, math textbook (online resources available for homework), pencil, grading pen, calculator (some available in class to borrow)

Written Work

When you write your name on your homework, projects or other assignments, make sure that it is your best work as it represents you. All assignments turned in must include the following heading in the top right corner of the page:

Full Name Period Date Name of Assignment

To be accepted student work must be legible, show all work, including the answer, and provide explanations as required in full grammatically correct sentences. Work that does not meet these standards may not be accepted and may be handed back without a grade.

Grading Categories

Grades will be assigned into 3 categories:

- 10% of the grade will be Preparation and Practice (homework and daily work),
- 30% of the grade will be Formative Assessments (quizzes, exit tickets, check-ups), and
- 60% of the grade will be Summative Assessments (tests, projects)

Retake Policy

Students may retake summative assessments. Students will only be required to retake problems that are similar to the ones they missed; they do not need to retake the entire test. Students will be given ten days after the original test was given to complete the retake. In order to retake a test, students must complete the following:

- Test corrections for each question missed
- An explanation regarding the error that was made and how to fix it
- Attend a help session to get any outstanding questions answered
- Make an appointment to complete the retake
- Turn in the original test and the corrections prior to taking the retake

Note: If a student receives a grade of 2 or less on a summative assessment, a retake will be REQUIRED.