

Algebra 1B – Syllabus

RCAS Policies/Procedures

Students will be required to follow all RCAS policies and procedures. To view the RCAS High School Student Handbook, click [handbook](#).

Course Description

The purpose of this course is to provide the foundation for success in your future math courses. This is a comprehensive course, which requires skills that have been learned in previous years. Algebra 1 introduces students to variables, algebraic expressions, equations, functions, inequalities, and their multiple representations. The students develop their ability to explore and solve real-world application problems, demonstrate the appropriate use of graphing calculators, and communicate mathematical ideas clearly. In this class you will learn math from a blended approach. Blended learning includes online content and instruction with traditional classroom teaching.

Course Learning Outcomes

- **Topic 6 Exponents and Exponential Functions**
CLO 6: Students will be able to identify, write, graph, and transform exponential functions.
- **Topic 7 Polynomials and Factoring**
CLO 7: Students will be able to identify the parts and factors of polynomials. Students will be able to factor trinomials. Students will be able to add, subtract, and multiply polynomials.
- **Topic 8 Quadratic Functions**
CLO 8: Students will be able to graph quadratic functions and use them to model real-world situations and compare them to linear and exponential functions.
- **Topic 9 Solving Quadratic Equations**
CLO 9: Students will be able to solve quadratic functions using tables, graphs and factoring.
- **Topic 11 Statistics**
CLO 11: Students will be able to create and interpret dot plots, box plots and histograms. Students will be able to use standard deviation to analyze the spread of data.

Classroom Expectations

Don't do anything that causes anybody else a problem.

BE RESPECTFUL- Making safe choices by being kind to self and others to empower all.

BE PRESENT- Being here and being aware of yourself and your surroundings focused on the here and now.

BE COURAGEOUS- Taking appropriate risks, persevering, doing what is right, even if it is uncomfortable or unpopular.

Grading

Grades will be comprised of three categories, assignments (10%), Quizzes (10%), and Tests (80%). All graded material will be done on paper and handed in to receive a grade. Quizzes and Tests must be completed in my classroom unless prior arrangements have been made. Students may use Advisory, before school, or after school to finish any quizzes or tests not completed in class.

All learners will be graded on mastery of assessments. If a learning did poorly the first time, they will be allowed to relearn the material and try again.

The grading scale we will be using is the one approved by the school board: A 100% - 90%, B 89% - 80%, C 79% - 70%, D 69% - 60%, F below 60%.

Textbook

Pearson EnVision

Instructional Resources

Textbook: Pearson EnVision

Online Resources available on Canvas.