



SAT Math Prep - Course Syllabus (.5 Credit)

Description:

This half-credit course is designed to help students prepare to take the SAT Math Exam. The assessments in this course focus in-depth on three essential areas of math: *Problem Solving and Data Analysis*, *Heart of Algebra*, and *Passport to Advanced Math*. *Problem Solving and Data Analysis* is about being quantitatively literate. It includes using ratios, percentages, and proportional reasoning to solve problems in science, social science, and career contexts. *Heart of Algebra* focuses on the mastery of linear equations and systems, which helps students develop key powers of abstraction. *Passport to Advanced Math* focuses on the student's familiarity with more complex equations and the manipulation they require. This course includes hundreds of examples and practice problems to help the student prepare for success.

Textbook: SAT Math Prep - © Excel Education Systems, Inc. - 2021

Course objective:

Throughout the course, you will meet the following goals:

- Become better prepared to take the SAT Math Exam.

Contents:

Module 1: Complex Numbers

Module 2: Geometry

Module 3: Coordinate Geometry

Module 4: Trigonometry, Radians, and Progressions

Module 5: Percentage, Simple Interest, and Compound Interest

Module 6: Ratio + Proportion

Module 7: Inequalities and Absolute Values

Module 8: Linear Equations 1

Module 9: Linear Equations 2

Module 10: Functions and Polynomials 1

Module 11: Functions and Polynomials 2

Module 12: Statistics 1

Module 13: Statistics 2

Module 14: Data Analysis 1

Module 15: Data Analysis 2

Module 16: Exponents + Radicals + Random Sampling

Grading Scale

A = 90-100%

B = 80-89%

C = 70-79%

D = 60-69%

F = under 59%

Grade Weighting

Chapter Quizzes..... 60%

Final Exams..... 40%

100%