



PLANNED COURSE STATEMENT

Course Title: SAT Prep Math	Grade Level(s): 11-12
Length of Course: 1 semester	Credit Area: Math
Prerequisite: Common Core 3	Amount of Credit: 0.5 (0.5/trimester)
Adopted/Supplemental Material: None	
Dual Credit Articulation: None	

COURSE DESCRIPTION: This course reviews concepts introduced in CC1, CC2 and CC3. Using the SAT practice tests as a guide the concepts covered are performing all operations on polynomials, factoring and simplifying rational expressions. Geometric concepts of Area and Volume will be revisited in greater detail than presented in CC2. Emphasis on techniques of problem solving such as guess and check, diagramming geometric sketches, and expressing quantities into algebraic expressions. A survey of Probability and Statistics covering arithmetic means, medians and conditional and independent Probability will be an integral part of the course woven into real life applications

COURSE GOALS:

Students will:

1. Strengthen factorization of polynomials so that students will be able to simplify rational expressions.
2. Translation of verbal expressions into algebraic expressions.
3. Unit Analysis.
4. Converting exponential expressions to common bases.
5. Evaluate algebraic expressions.
6. Understand all types of graphs.
7. Understand algebraic expressions in calculation of geometric formulas.
8. Manipulate and solve inequalities as well as equations.
9. Calculate angle relationships in polygons, linear pairs, vertical angles and transversals
10. Apply inductive and deductive reasoning to problem solve.
11. Recognize the various groups of numbers such as prime, rational, irrational and real.
12. Engage in pattern recognition.
13. Review of linear equations and slope.
14. Understand special right triangles.
15. Find the perimeter & area of polygons and circles.
16. Find the surface area & volume of solids.

ASSESSMENT STRATEGIES:

Daily work, starter and exit activities, participation, written exams, performance tasks, oral and written student presentations on specific concepts and processes, and a notebook including daily notes.

ACCOMMODATIONS AND MODIFICATIONS:

Any student who feels the course is moving too slowly and demonstrates mastery of the subject matter

by consistently exceeding expectations for regular assignments is encouraged to meet with the teacher for more rigorous assignments and projects. More rigorous work will include alternate assignments and projects, not additional assignments. Work will be graded using the same standards for work completed by other students in the class. Conversely, a student with an IEP who needs more time to complete the work may have assignments modified to meet his/her needs.

CAREER RELATED LEARNING STANDARDS:

Students will demonstrate appropriate workplace behaviors (e.g. maintain regular attendance and be on time), apply decision-making and problem-solving techniques, demonstrate effective teamwork, apply the principles of effective communication to give and receive information, acquire, use, and transfer information, assess the relationship of educational achievement to career goals, research and analyze career options, assess characteristics related to personal, educational, and career goals, and demonstrate academic knowledge and technical skills required for successful employment.