

SPRING GROVE AREA SCHOOL DISTRICT

PLANNED INSTRUCTION

Course Title:	SAT Preparation	Length of Course:	15 cycles
Grade Level(s):	11th and 12th	Periods Per Cycle:	6 periods
Units of Credit:	.5	Length of Period:	43 minutes
		Total Instructional Time:	64.5 hours

Course Description:

SAT Preparation is a one-semester course open to all students in grades 11 and 12. The course covers topics in SAT test-taking skills, reading, writing, and mathematics. The prerequisites for this course are Algebra I and Geometry. For the math section, students will review mathematical concepts in relation to Algebra I, Geometry, Algebra II, and Statistics. The Reading portion will include Sentence Completion vocabulary skills, Passage-based Reading Comprehension and Passage Comparison. The Writing portion will include Finding Sentence Errors, Correcting Sentence Errors and Correcting Paragraph Errors, as well as writing an Essay.

Materials/Resources:

Textbook: Cracking the SAT, 2012 edition
Computer Lab

Adopted: 5/21/2012

Revised:

Teacher: CORE SAT Preparation
Year: 2011-2012
Course: SAT Preparation

AUGUST	SAT Overview and Format				
	Essential Questions	Content	Skills	Vocabulary	Standards
	What is the format of the SAT?	SAT Format	The students will be able to explain how the SAT is scored.	SAT Format	1.2.12.A ~ Read and understand informational texts and documents.
	How is the SAT scored?	SAT Scoring	The student will be able to apply test-taking strategies.	Process of elimination	1.8.12.B ~ Locate information using appropriate sources and strategies.
	What are some effective test-taking strategies for the SAT?		The students will be able to explain the different parts that make up the SAT.		
SEPTEMBER	Writing - Improving Sentences, Identifying Sentence Errors, Improving Paragraphs, and Essay				
	Essential Questions	Content	Skills	Vocabulary	Standards
	What are the keys to writing with clarity, precision and focus?	Parts of Speech Parts of a Sentence Phrases Clauses Agreement	Students will be able to identify parts of speech, parts of a sentence, phrases and clauses.	Subject and predicate	1.5.12.A ~ Write with a sharp, distinct focus.
		Complete sentences, fragments, run-on sentences and comma splices	Students will be able to identify and correct errors in subject and verb agreement. Students will be able to identify and correct errors in pronoun and antecedent agreement.	Subject Complements	1.5.12.C ~ Write with effective and logical organization that supports unity and clarity.
			Students will be able to identify and correct errors in pronoun case usage.	Parts of Speech	1.5.12.F ~ Edit writing using:
				Verbals	
				Phrases	
				Clauses	
				Agreement	
				Fragments, run-ons and comma splices	

		Students will be able to correct errors in focus within a paragraph. Students will be able to respond to a given prompt in an essay with well-developed content, good focus, and few errors in conventions and grammar.		
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Reading - Sentence Completion (vocabulary), Passage-Based Reading

Essential Questions	Content	Skills	Vocabulary	Standards
What is an effective strategy for deciding which of the given words best completes the meaning of a sentence?	Word parts (prefix, root, suffix)	The student will be able to use prefixes, suffixes and roots to determine the meaning of a given word.	Prefix	1.1.12.C ~ During reading apply acquired knowledge and strategies to understand the meaning of new words. Use these words to communicate effectively.
	Synonyms and antonyms		Suffix	
	Greek and Latin Roots		Roots (Greek, Latin, etc.)	1.1.12.D ~ Utilize effective comprehension strategies to extract essential ideas from text.
What are effective strategies for determining the author's tone in a given reading passage?	Fact vs. opinion	The student will be able to use context clues to determine the meaning of a given word.	Synonym	1.1.12.G ~ Understand and apply knowledge gained from text.
	Author's tone or attitude		Antonym	1.1.12.H ~ Read fluently with a high level of comprehension.
	Using context clues	The student will be able to analyze sentence construction and use logic to choose the best word for a given sentence.	Fact / Opinion	1.2.12.A ~ Read and understand informational texts and documents.
What is the best way to draw conclusions and make inferences about a given reading passage?	Making inferences		Tone / attitude	1.3.12.A ~ Read and understand works of literature.
	Comparing and contrasting texts	The student will be able to discern between fact and opinion in a given text.	Assumption	1.3.12.B ~ Evaluate author's use of literary elements.
	Drawing analogies		Inference	1.3.12.C ~ Evaluate the effectiveness of authors' use of literary devices (e.g., sound techniques, figurative language, literary structures).
	Examples that strengthen or weaken an argument	The student will be able to analyze author's tone or attitude in a given text.	Context clue	
		The student will be able to draw inferences in a	Analogy	1.3.12.F ~ Read and respond to literary works.

	Vocabulary commonly found on the SAT Trigger words Cause and effect	given text. The student will be able to compare and contrast two given texts. The student will be able to restate details in a given text. The student will be able to determine the author's purpose in writing a given text. The student will be able to determine what statements would weaken or strengthen an author's argument. The student will be able to draw analogies between details in a given text and other provided situations. The student will be able to define words commonly found on the SAT. The student will be able to identify and use trigger words to understand the structure of a sentence. The student will be able to identify cause and effect.	Trigger words	
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O V E R	Essential Questions	Content	Skills	Vocabulary	Standards
	How do you simplify and evaluate algebraic expressions?	Simplifying and evaluating algebraic expressions	Students will be able to simplify and evaluate algebraic expressions using the order of operations.	Natural Numbers Whole Numbers	2.1.12.A ~ Use operations such as opposite, reciprocal, absolute value, raising to a power, finding roots and logarithms.
	How do you solve and graph linear equations?	Solving linear equations Solving linear systems of equations	Students will be able to solve linear equations.	Integers Rational Numbers	2.2.12.A ~ Determine and explain the meaning of the zeros of functions model from real life situations. 2.2.12.F ~ Use graphing utilities to determine best fit functions (e.g. linear, quadratic, cubic, exponential, power, etc.)
	How do you solve linear systems of equations?	Graphing functions	Students will be able to solve systems of equations.	Irrational Numbers Real Numbers	2.4.12.B ~ Apply appropriate arguments, proof, and mathematical rules of logic in problem solving situations.
	How do you identify and graph functions?	Reading and interpreting graphs	Students will be able to identify and graph functions.	Expression	2.5.12.A ~ Create and solve complex problems using appropriate mathematical concepts and techniques.
	How do you read and interpret graphs?	Line of best fit	Students will be able to read and interpret line, circle, and bar graphs.	Equation	2.8.12.C ~ Collect, analyze, and model real life data that demonstrates and understanding of algebraic equations and systems of equations and inequalities.
	How do you use a graphing calculator to save time?	Finding area and volume	Students will be able to interpret scatterplots and determine a line of best fit.	Function Line Graph Bar Graph	2.8.12.D ~ Apply systems of equations and inequalities to solve real life problems both graphically and algebraically.
	How do you find the area and volume of a given figure?		Students will be able to use graphing calculators to graph equations and fit a line to data.	Scatterplot Line of Best Fit	2.8.12.F ~ Solve real life applications of systems of equations and inequalities using graphing utilities.
			Students will be able to apply geometric formulas, such as area and volume, to real-life situations.		

D E C E M	Geometry and Probability				
	Essential Questions	Content	Skills	Vocabulary	Standards
	How do you use the properties of	Transversals	Students will be able to identify transformations	Transversal	2.1.12.A ~ Use operations such as opposite, reciprocal, absolute value, raising to a power, finding roots and

B E R	transversals and parallel lines to find angle measures?	Similar triangles	and translations. Students will be able to use the tangent of a circle to solve problems.	Similar triangles Congruent triangles Tangent Arc Transformation	logarithms. 2.2.12.A ~ Determine and explain the meaning of the zeros of functions model from real life situations. 2.2.12.C ~ Construct and apply graphs of polynomial functions modeled from real data. 2.3.12.B ~ Apply degree and radian measure to solve real world problems.
	How do you solve problems using similar triangles?	Congruent triangles	Students will be able to solve problems involving similar triangles.	Translation Probability	2.4.12.B ~ Apply appropriate arguments, proof, and mathematical rules of logic in problem solving situations.
	How do you use tangents to solve problems?	Tangents	Students will be able to solve problems involving congruent triangles.	Combinations	2.5.12.A ~ Create and solve complex problems using appropriate mathematical concepts and techniques.
	How do you identify transformations and translations?	Transformations and translations	Students will be able to apply combinations and permutations to real-life situations.	Permutations	2.5.12.B ~ Communicate both written and oral mathematical concepts and problems using appropriate mathematical language.
	How do you use probability to solve real-life problems?	Probability	Students will be able to apply probability concepts to solve real-life problems.	Quadratic equation	2.5.12.D ~ Justify and defend solutions to mathematical and applied problems.
	How do you solve and graph quadratic equations?	Solving and graphing quadratic equations	Students will be able to solve quadratic equations.	Parabola	2.8.12.H ~ Describe the connection between the binomial expansion and Pascal's triangle and apply to permutations and combinations problems.
			Students will be able to graph parabolas.		2.10.12.B ~ Create, write, and solve real word application problem that demon-strate and understanding of solving right triangles and/or using the law of sines and/or law of cosines.

J A N U A R Y	Algebra II				
	Essential Questions	Content	Skills	Vocabulary	Standards
	How do you solve quadratic equations?	Solving and graphing quadratic equations	Students will be able to solve quadratic equations.	Quadratic Equation Parabola	2.1.12.A ~ Use operations such as opposite, reciprocal, absolute value, raising to a power, finding roots and logarithms.

How do you graph quadratic equations?		Students will be able to graph parabolas.	Quadratic formula Factor	2.2.12.A ~ Determine and explain the meaning of the zeros of functions model from real life situations. 2.2.12.C ~ Construct and apply graphs of polynomial functions modeled from real data.