



SANIDAS ACADEMY

SAT Study Guide

Introduction

Reading Comprehension	65 Minutes	52 Questions	400 Points
Grammar	35 Minutes	44 Questions	400 Points
Math	80 Minutes	58 Questions	800 Points

The English portion of the SAT is divided into two sections: Reading Comprehension and Grammar. Each of these sections is individually worth 400 points for a combined total of 800. Though the Grammar section is only 35 minutes long, it accounts for **half** the points in your English score. The rules of SAT Grammar tend to be well defined and concrete, though it is exceedingly rare for schools to formally teach them. As such, students tend to struggle initially with the Grammar section, but quickly become proficient at it as they become familiar with the rules and how to apply them. This section, alongside Math, is where students typically make the most progress.

In contrast with Math and Grammar, Reading Comprehension tends to be more abstract and subsequently, this is where students typically have the most difficulty. Reading, in and of itself, is an individualized process that is unique to each person. Every person has their own inner voice and their own way of approaching and internalizing new information. Thus, this course aims to help you create an approach to reading comprehension that works for you, and then to crystalize that approach through practice and repetition. A large amount of time will be dedicated to going over the answer choices with a fine-toothed comb in order to explain not only why the right answer is right, but to also explain why the wrong answer is wrong.

Lastly, the Math section of the SAT is divided into four topics: (1) Heart of Algebra, (2) Passport to Advanced Math, (3) Problem Solving & Data Analysis, and (4) *Additional Topics*. The first three will account for ~90% of the material covered on the math section; the last topic, ominously named *Additional topics*, will account for ~10% of the material. The principles of Math that are tested on the SAT are fairly straight forward. However, the difficulty of this section stems from the convoluted way that the SAT twists and bends these principles in its questions. The materials in this book aims to give you a firm grasp of the underlying Math, as well as abundant practice in navigating byzantine presentation of the problems.

Let's begin.

Syllabus

Class I

Diagnostic Exam I	70 Minute Exam & Review	
Reading Comprehension	General Strategies	07
Grammar	Relative Clauses	10
	Prepositional Phrases - Idioms	12
Math	Reading Word Problems	19

Class II

Reading Comprehension	Vocabulary & Context	31
Grammar	Subject-Verb Agreement	47
Math	Expressions	56
	Algebraic Manipulation	63

Class III

Reading Comprehension	Literal Comprehension	82
Grammar	Modifiers	91
	Run-on Sentences	94
Math	Lines	101
	Systems of Linear Equations	114

Class IV

Reading Comprehension	The Big Picture	137
Grammar	Fragments	143
	Redundancy	148
Math	Functions	154
	Exponents & Exponentials	165

Class V

Diagnostic Exam II	70 Minute Exam and Review	
Reading Comprehension	Concrete to Abstract	182
Grammar	Parallelism	189
Math	Quadratics	196

Class VI

Reading Comprehension	Supporting Evidence	212
Grammar	Pronoun Reference	226
	Tenses	232
Math	Binomials & the Difference of Two Squares	236
	Parabolas	248

Class VII

Reading Comprehension	Reasonable Inferences	270
Grammar	Commas, Dashes, & Colons	281
Math	Polynomials	295
	Advanced Systems of Equations	309

Class VIII

Reading Comprehension	Extended Reading Analogies	326
Grammar	Apostrophes	337
	Word Choice	342
Math	Percent & Percent Change	349
	Ratios & Proportionality	360

Class IX

Diagnostic Exam III	70 Minute Exam & Review	
Reading Comprehension	Reading for Function	375
Grammar	Transitions	384
Math	Measures of Central Tendency & Variability	400

Class X

Reading Comprehension	Tone & Attitude	417
Grammar	Comparatives vs. Superlatives	432
	Who vs. Whom	434
	Topic, Conclusion, & Transition Sentences	436
Math	Data analysis I: Graphs & tables	453
	Data analysis II: Histograms & Scatterplots	468

Class XI

Reading Comprehension	Rhetorical Strategy	485
Grammar	Supporting Evidence & Examples	496
Math	Designing & Interpreting Experiments	510
	Angles, Triangles & Polygons	521

Class XII

Reading Comprehension	Paired Passages	539
Grammar	Relevance & Purpose	552
Math	Right Triangles & Basic Trigonometry	568
	Circles, Radians, & Advanced Trigonometry	583

Class XIII

Diagnostic Exam IV	70 Minute Exam & Review	
Reading Comprehension	Paired Passages	600
Grammar	Point of View	611
	Combining Sentences	616
Math	Three Dimensional Shapes	625

Class XIV

Reading Comprehension	Odds & Ends	640
Grammar	Placement	649
Math	Complex numbers	661

Class XV

SAT Essay	Overview & Strategies	680
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Class XVI

SAT Practice Test	140 Minute Exam & Review	
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