

# SMARTS Official SAT Curriculum

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**Reading:** These skills focus on analyzing and identifying the meaning, structure, and purpose of text passages.

1. Reading: Science
2. Reading: Literature
3. Reading: History
4. Reading: Social Science

**Writing:** These skills focus on revising argumentative, informative, and non-fiction narrative passages.

1. Writing: Argument
2. Writing: Informative
3. Writing: Narrative

**Grammar and effective language use:** These skills focus on grammar, usage, and punctuation. In these practices, you will answer questions about standalone sentences. On the exam, grammar questions will always be about sentences that are part of a full Writing & Language text passage.

1. Effective language use: Precision and concision
2. Effective language use: Style and tone
3. Effective language use: Syntax
4. Grammar: End-of-sentence punctuation
5. Grammar: Within-sentence punctuation
6. Grammar: Sentence boundaries
7. Grammar: Subordination and coordination
8. Grammar: Parallel structure
9. Grammar: Modifier placement
10. Grammar: Shifts in verb, tense, and mood
11. Grammar: Pronoun clarity
12. Grammar: Pronoun agreement
13. Grammar: Possessive determiners
14. Grammar: Subject-verb agreement
15. Grammar: Noun agreement
16. Grammar: Frequently confused words
17. Grammar: Conventional expression
18. Grammar: Logical comparison
19. Grammar: Possessive pronouns
20. Grammar: Items in a series
21. Grammar: Nonrestrictive and parenthetical elements

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## Math practice

**Heart of algebra:** These skills focus on linear equations, their graphs, and their applications.

1. Solving linear equations and linear inequalities
2. Interpreting linear functions
3. Linear equation word problems
4. Linear inequality word problems
5. Graphing linear equations
6. Linear function word problems
7. Systems of linear inequalities word problems
8. Solving systems of linear equations
9. Systems of linear equations word problems

**Passport to advanced mathematics:** These build on the skills from Heart of algebra by applying them to other function types.

10. Solving quadratic equations
11. Interpreting nonlinear expressions
12. Quadratic and exponential word problems
13. Manipulating quadratic and exponential expressions
14. Radicals and rational exponents
15. Radical and rational equations
16. Operations with rational expressions
17. Operations with polynomials
18. Polynomial factors and graphs
19. Nonlinear equation graphs
20. Linear and quadratic systems
21. Structure in expressions
22. Isolating quantities
23. Function notation

**Problem solving and data analysis:** These skills focus on real-world problems that involve concepts like proportions, units, and statistical analysis.

24. Ratios, rates, and proportions
25. Percents
26. Units
27. Table data
28. Scatter plots
29. Key features of graphs
30. Linear and exponential growth
31. Data inferences
32. Center, spread, and shape of distributions
33. Data collection and conclusions

**Additional topics in math:** These skills cover a variety of concepts, including geometry, trigonometry, and complex numbers.

34. Volume word problems
35. Right triangle word problems
36. Congruence and similarity
37. Right triangle trigonometry
38. Angles, arc lengths, and trig functions
39. Circle theorems
40. Circle equations
41. Complex numbers