

SAT Curriculum Syllabus (by session, 1–8)

Session 1

Diagnostic Test

Overview of the Digital SAT & General Test-Taking Strategies for Digital SAT

Session 2

Reading and Writing

TPC Reading and Writing Strategy

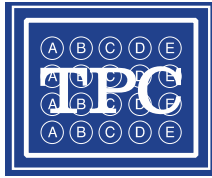
1. Craft and Structure Questions

Math

Fundamentals Review and SAT Math Strategies

Heart of Algebra

1. Direct Solve (27%)
 - 1.1 Linear Equations
 - 1.2 Interpreting Coefficients and Variables
 - 1.3 Systems of Linear Equations
 - 1.4 Inequalities
 - 1.5 Systems of Inequalities
 - 1.6 Absolute Value Equations
 - 1.7 Linear Equation Word Problems
2. Linear Functions and their Graphs (11%)
 - 2.1 Evaluating Functional Values
 - 2.2 Composition of Functions
 - 2.3 Graphing Linear Functions
 - 2.4 Number of Solutions to a System of Equations



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Session 3

Reading and Writing

2. Information and Ideas Questions

Math

Advanced Math

3. Special Numbers and Properties (2%)
 - 3.1 Properties of Radicals and Exponents
 - 3.2 Square Roots
 - 3.3 Imaginary and Complex Numbers
4. Quadratic Equations (14%)
 - 4.1 Solving and Simplifying Quadratic Equations
 - 4.2 Graphing Quadratic Equations and Vertex Form
 - 4.3 Expression Equivalence
 - 4.4 Quadratic Equation Word Problems

Session 4

Reading and Writing

3. Reading Comprehension Review
4. Standard English Conventions Questions

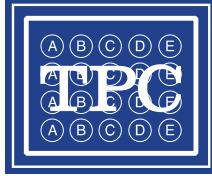
Math

Advanced Math (cont.)

5. Advanced Polynomials (15%)
 - 5.1 Higher Order Polynomials
 - 5.2 Solving Polynomial Equations
 - 5.3 Graphing Higher Order Polynomials
 - 5.4 Transformations
 - 5.5 Exponential Equations
 - 5.6 Interpreting Higher Order Graphs
 - 5.7 Equation of a Circle

Problem Solving and Data Analysis

6. Problem Solving and Data Analysis (15%)
 - 6.1 Types of Graphs and Charts



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Session 5

Reading and Writings

4. Standard English Conventions Questions (cont.)

Math

Problem Solving and Data Analysis (cont.)

6. Problem Solving and Data Analysis (15%)
 - 6.2. Proportions
 - 6.3. Percentages
 - 6.4. Probability
 - 6.5. Basic Statistics
 - 6.6. Scatter Plots and Lines of Best Fit
 - 6.7. Survey

Session 6

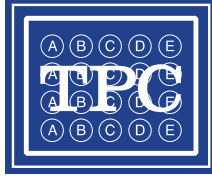
Reading Comprehension

5. Expression of Ideas Questions

Math

Geometry and Trigonometry

7. Plane Geometry (15%)
 - 7.1 Perpendicular and Parallel Lines
 - 7.2 Properties of Triangles
 - 7.3 Area and Perimeter of Rectangles
 - 7.4 Internal Angle Theorem of Quadrilaterals
 - 7.5 Properties of Circles
 - 7.6 Volumes of 3D Shapes
 - 7.7 Transformations



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Session 7

Reading Comprehension

SAT Reading Comprehension Review

Math

Geometry and Trigonometry (cont.)

- 8. Trigonometry (1%)
 - 8.2. Trigonometric Functions
 - 8.3. Trigonometric Identities and Complementary Relationships
 - 8.4. Unit Circle

SAT Math Review

Session 8

Final Test

Test Prep Chicago Final SAT Test-Taking Tips

Additional Notes:

Students will complete weekly online homework assignments. Practice test and online homework results will be visible in each student's account in our online testing platform. Answer explanations for both tests and all homework assignments are included in the testing portal; it is highly recommended to review these explanations!