

Entrance Exam Requirements “Going to Grade – 11 / SAT”

MATH

Algebra 2

1. Solving Equations
2. Solving Inequalities
3. Absolute Value Equations and Inequalities.
4. Direct Variation
5. Linear Functions and Slope-Intercept form
6. Solving Systems using Tables and Graphs
7. Solving Systems Algebraically
8. Systems of Inequalities
9. Systems with Three Variables
10. Standard Form of Quadratic Function
11. Factoring Quadratic Expressions
12. Quadratic Equations
13. Completing the Square
14. Complex Numbers
15. Polynomials, Linear Factors and Zeros
16. Solving Polynomial Equations
17. Dividing Polynomials

Geometry

1. Ratios and Proportions
2. Proving Triangle Similar
3. Similarity in Right Triangle
4. The Pythagorean Theorem and its Converse
5. Special Right Triangles
6. Angles of Elevation and Depression
7. Trigonometry
8. Areas of Parallelogram Triangles, Trapezoids, Rhombuses and Kites
9. Trigonometry and Area.
10. Circles and Arcs

ENGLISH

- **Reading Comprehension:** Students should be able to answer multiple choice questions based on a critical reading passage.
- **Grammar:** In the Grammar Section, candidates should be able to identify sentence errors. In addition, they should be able to decide on an answer that best revises the underlined part.
- **Essay:** The last question requires pupils to compose a persuasive, discursive or descriptive essay in response to a certain topic.