TASIS PORTUGAL

CURRICULAR PROGRESSION · GRADES 6–12

MATHEMATICS

GRADES 6–8 · SINGAPORE MATH

GRADE 6

- Whole Numbers, Prime Numbers, Factoring
- Negative Numbers and Number Lines
- Fractions and Decimals
- Ratio
- Rate
- Percent
- Algebraic Expressions
- Equations and Inequalities
- Coordinate Plane
- Area of Polygons
- Surface Area and Volume of Solids
- Statistics
- Measures of Central Tendency

GRADE 7

- Rational Numbers
- Algebraic Expressions
- Algebraic Equations and Inequalities
- Proportion and Percent of Change
- Angle Properties and Straight Lines
- Geometric Construction
- Circumference, Area, Volume, and Surface Area
- Statistics and Probability
- Probability of Compound Events

GRADE 8

- The Real Number System
- Exponents
- Scientific Notation
- Linear Equations and Inequalities
- Lines and Linear Equations
- Systems of Linear Equations
- Functions
- The Pythagorean Theorem
- Geometric Transformations
- Congruence and Similarity
- Volume and Surface Area of Solids
- Statistics

GRADES 9–10 · CAMBRIDGE IGCSE

Mathematics (0670)

TOPICS

- Number
- Algebra
- Functions
- Coordinate geometry
- Geometry
- Vectors and transformations
- Mensuration
- Trigonometry
- Sets
- Probability
- Statistics

GRAPHIC DISPLAY CALCULATOR REQUIREMENTS

- Sketch a graph
- Produce a table of values for a function
- Find zeros and local maxima or minima of a function
- Find the intersection point of two graphs
- Find mean, median and quartiles
- Find the linear regression equation

GRADES 11–12 · IB DIPLOMA PROGRAMME

Mathematics · Candidate School

CORE CONTENT

- Algebra
- Functions and equations
- Circular functions and trigonometry
- Vectors
- Statistics and probability
- Calculus

Grades 9–10 IGCSE curricula build on Singapore Math topics covered in grades 6, 7 and 8.