

# Comparing Math Curricula: Iraq

## ESCAPE PROJECTS

Grade	Mathematics Strands					
	Number	Algebra	Data	Spatial Sense/Geometry & Measurement (G9)	Financial Literacy	Social-Emotional Learning & Mathematical Processes
6	Integers; Fractions; Mixed numbers; Roots and their properties; Second-order equation	Binomials; Parabolas, ellipses and hyperbolas (including their eccentricity); Higher-order derivatives; Graphing of functions and optimization (max and min); Different function types (algebraic, logarithmic, Exponential, and circular); Differential equations	Statistics; Data with bar graph, pie chart; Proportions (ratio, rate, percentage)	Parallel lines and circles; Dihedral angle and perpendicular planes; Orthogonal projection on plane; geometric shapes (e.g., parallelogram, trapezoid); Polar coordinates	Not covered	Not covered
7	Integers (mental math, powers, scientific notation, square root and cubic root); Rational Numbers	Polynomials; Inequalities; Open sentence	Frequency tables; Stem and leaf; Circular graphs; Probability	Polygons; Angles; Coordinate plane; Area and volume	Not covered	Not covered
8	Rational numbers; Scientific notation; Powers; Real numbers; Pythagorean theorem	Polynomials; Factoring; Inequalities; Linear functions;	Statistics and probability	Coordinate plane; Triangles; Cylinders and spheres; Area of regular and irregular compound shapes	Not covered	Not covered
9	Relations and inequalities in real numbers	Algebraic expressions; Factoring; Linear equations; Quadratic equations	More advanced statistics and probability	More advanced geometric shapes and their measurement	Not covered	Not covered

Adapted from: Iraqi Ministry of Education. (2021). Iraqi Curricular Documents: Intermediate & Secondary. <https://www.manahj.edu.iq>