



The ESCAPE Projects



Somalia Math Curriculum Topics

	Grade 6	Grade 7	Grade 8
Social-Emotional Learning & Mathematical Processes	Problem solving, reasoning, and proving		
Number	<ul style="list-style-type: none"> Add and subtract whole numbers up to 1,000, 000 Multiplying and dividing whole numbers up to 1,000, 000 Place values up to 1,000,000 (number and word form) Add, subtract, multiply or divide decimals Add, subtract, multiply or divide fractions Decimal percentage, and fraction conversions Whole number ratios 	<ul style="list-style-type: none"> Adding and subtracting integers Multiplying and dividing integers Using a number line to solve integer equations Rules of BEDMAS Identifying inequalities Identifying and solving exponents Identifying and solving square roots Representing in scientific notation Whole number and fraction ratio conversions 	<ul style="list-style-type: none"> Radicals Negative exponents Rational exponents Converting from radicals to exponents
Algebra	<ul style="list-style-type: none"> Properties of addition Add using properties Properties of multiplication Multiply using properties 	<ul style="list-style-type: none"> Evaluating algebraic equations Distributive property Associative property Commutative property Two system equations Inequality equations 	<ul style="list-style-type: none"> Solving and graphing linear equations Substituting and eliminating two linear systems Quadratic standard form Factoring and solving quadratics Simplifying quadratics Applying quadratic equation
Data	n/a	<ul style="list-style-type: none"> Identifying sets (null sets, universal sets, subset, etc.) 	<ul style="list-style-type: none"> Finding mean Finding mode (bimodal, multimodel) Finding median Using and analyzing pie charts Probability (fraction, percent, and decimal)
Spatial Sense / Measurement	n/a	<ul style="list-style-type: none"> Finding missing angles Supplementary and complementary angles Pythagorean theorem Metric unit conversions 	<ul style="list-style-type: none"> Finding side lengths and angles of various shapes Supplementary and complementary angles Transformations of shapes Metric unit conversions Finding area and side lengths of various shapes Finding volume Time conversions Pythagorean theorem Finding angles of a triangle (SOH-CAH-TOA)
Financial Literacy	<ul style="list-style-type: none"> Money earnings and savings 	n/a	<ul style="list-style-type: none"> Currency conversions