



ISS Course Syllabus

Grade 7 (Pre-Algebra)	Grade 8 (Algebra 1)	Grade 9 (Algebra 1)
<p>May</p> <hr/> <p>Sets and Numbers</p> <ul style="list-style-type: none"> . Gathering and organizing data . Central tendency and dispersion . Graphs of statistics . Graphs of points 	<hr/> <p>Fractions and Per cents</p> <ul style="list-style-type: none"> . Variables in formulas . Addition and subtraction . Multiplication and division . Problem solving 	<hr/> <p>Algebraic Factors</p> <ul style="list-style-type: none"> . Graphical solution . Algebraic solutions . Determinants . Word problems
<p>June</p> <hr/> <p>Review</p> <ul style="list-style-type: none"> . Whole numbers . Geometry, sets, and systems . Fractions . Formulas, ratios and statistics 	<hr/> <p>Review</p> <ul style="list-style-type: none"> . Whole number and fractions . Fraction and per cents . Statistics, graph and probability . Integers 	<hr/> <p>Review</p> <ul style="list-style-type: none"> . Solving quadratic equations . Equations and inequalities . Polynomials factors . Radicals and graphing

<p>Grade 10 (Geometry)</p> <p>May</p> <hr/> <p>Coordinate Geometry</p> <ul style="list-style-type: none"> . Ordered pairs . Distance . Lines . Coordinate proofs 	<p>Grade11 (Algebra 2)</p> <hr/> <p>Counting Principles</p> <ul style="list-style-type: none"> . Progressions . Permutations . Combinations . Probability 	<p>Grade12 (Pre-Calculus)</p> <hr/> <p>Probability</p> <ul style="list-style-type: none"> . Random probability . Permutations . Combinations . Applied problems
<p>June</p> <hr/> <p>Review</p> <ul style="list-style-type: none"> . Proof and angles . Polygons and circles . Construction and measurement . Coordinate geometry 	<hr/> <p>Review</p> <ul style="list-style-type: none"> . Integers and open sentences . Graphs and polynomials . Fractions quadratics . Exponential fractions 	<hr/> <p>Review</p> <ul style="list-style-type: none"> . Mathematical induction . Functions and limits . Slopes of functions . Pythagorean relations