



ISS Course Syllabus

Teacher: Richard Mackinnon
Course Title: Math

Grade: 6

Course Description: By the end of grade six, students will have mastered the four arithmetic operations with whole numbers, positive fractions, positive decimals, and positive and negative integers. Students will understand the concepts of mean, media, and mode. They will understand and conceptually work with ratios and proportion. Students will use letters for numbers in formulas involving geometric shapes and in ratios to represent unknown parts of an expression. They will solve one step linear equations.

Course Contents: Mathematics as problem solving. Number concepts. Whole number computation, Fractions and mixed numbers. Integers, rational and real numbers. Proportion and percent. Expressions, exponents, and order of operation. Geometry. Area and volume. Coordinate plane graphing.

Resources: Heath Math Connections (1994)

Evaluation System: Weekly tests 75%, class participation 10%, pop quiz based on lectures 15%

Additional Comments: