Junior High Course Descriptions

6th grade	7th grade	8th grade	9th grade	10th grade	11th grade	12th grade
Math A	Math B/C	IM1	IM2	IM3	Trig/Precalculus and/or AP Stats	AP Calculus and/or AP Stats
Math A	Math B	Math C	IM1	IM2	IM3	Trig/Precalculus and/or AP Stats

Math B (7th grade)

In Math B, instructional time will focus on four critical areas: (1) developing understanding of and applying proportional relationships; (2) developing understanding of operations with rational numbers and working with expressions and linear equations; (3) solving problems involving scale drawings and informal geometric constructions, and working with two- and three-dimensional shapes to solve problems involving area, surface area, and volume; and (4) drawing inferences about populations based on samples.

Math C (8th grade)

In Math C, instructional time should focus on three critical areas: (1) formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations; (2) grasping the concept of a function and using functions to describe quantitative relationships; (3) analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence and understanding and applying the Pythagorean Theorem. Students also work towards fluency with solving simple sets of two equations with two unknowns by inspection.

Math B/C (7th and 8th grade)

Math B/C is fast-paced, rigorous course that combines the standards from both Math B and Math C over one year. Teacher recommendation is required for a student to take this course.

Integrated Math I-P (8th grade)

This course explores functions, exponents, slope & rate of change, writing and graphing linear equations, dimensional analysis, transformations, multiplying polynomials, solving complex equations that include fractions and exponents, modeling two-variable data, exponential growth and decay, solving systems of equations with substitution and elimination, congruence and coordinate geometry, inequalities, data representations, and constructions. *Meets UC/CSU "C" requirement.*