



Course Description: Integrated Math 1

Integrated Math 1 is the first course of a three-year integrated math sequence. This course is a college prep course that meets the minimum graduation requirement for the state of California and follows the Integrated Pathway in the Common Core State Standards. Students will extend their understanding of numerical manipulation to algebraic manipulation; synthesize understanding of function; deepen and extend understanding of linear, exponential, and quadratic relationships and systems of linear equations; explore arithmetic and geometric sequences; apply linear models to data that exhibit a linear trend; establish criteria for congruence based on rigid motions; and apply the Pythagorean Theorem to the coordinate plane. Students will be expected to work collaboratively, individually and demonstrate their learning through the Standards of Mathematical Practice. Students will be exposed to rich instruction that develops their conceptual understanding, procedural skill, problem-solving skills, critical thinking abilities, and strengthen situational analysis abilities.

Unit list:

- Unit 1: Equations and Inequalities
- Unit 2: Systems
- Unit 3: Sequences
- Unit 4: Functions
- Unit 5: Features of Functions
- Unit 6: Transformations, Congruence, and Constructions
- Unit 7: Connecting Algebra and Geometry
- Unit 8: Modeling Data

Textbook:

Mathematics Vision Project (MVP) *Integrated Math 1* Modules, San Dieguito Union High School District Custom Edition, 2021.

Prerequisite:

Integrated Math B

High Bluff Academy is accredited by the Western Association of Schools and Colleges (WASC). The above course is approved by the University of California system (A-G) and the National Collegiate Athletic Association (NCAA).