



Course Description: Geometry

This is a two-semester college preparatory course in Geometry. The course covers the development of mathematical principles of Geometry and their applications.

Topics include:

1. Geometric proofs
2. Deductive reasoning
3. Logic
4. Congruence
5. Measurement of 2 and 3 dimensional figures
6. Perimeters and circumference
7. Areas, surface areas, and lateral areas
8. Volume and effect of dimensional change
9. Geometric constructions
10. Pythagorean applications
11. Trigonometric and special right triangles
12. Rigid motion and geometric figures

TEXTBOOK: Prentice Hall Geometry (2008)

Prerequisites: Algebra 1

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).