Course Description: Algebra II

This is a two-semester college preparatory course, which covers the development of mathematical principles of Algebra II and their applications.

Topics include:
1. Equations and inequalities
2. Linear equations and functions
3. Systems of linear equations and inequalities
4. Matrices and determinants
5. Quadratic functions
6. Polynomial and polynomial functions
7. Powers, roots and radicals
8. Exponential and logarithmic functions
9. Rational equations and functions
10. Quadratic relations and conic sections
11. Sequences and series
12. Probability and statistics
13. Trigonometric ratios and functions

Textbook: McDougal Little Algebra 2. 2001
Prerequisites: Algebra I, Geometry

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).