**Cassville High School**

**Learning Targets**

Course Name: Algebra IB

Mark which semester the ELO is taught in. In the “Mastery Level” column, please place the expected mastery level for the ELO. This should be a well thought out % and evaluated annually when your data analysis has been completed.

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| **Semester** | **Learning Targets** | **Mastery**  **Level** |
| 1 | * Solve inequalities using addition, subtraction, multiplication, and division * Solve multi-step and compound inequalities * Solve absolute value equations and inequalities * Graph inequalities | 75% |
| 1 | * Solve systems of equations and inequalities algebraically using substitution and elimination * Solve systems of equations and inequalities by graphing | 70% |
| 1 | * Find products and quotients of monomials * Express numbers in scientific notation * Add, subtract, multiply, and divide polynomials * Find special products of binomials | 70% |
| 2 | * Determine the prime factorization of integers and monomials * Find the greatest common factor for sets of integers and monomials * Factor polynomials * Find the difference of squares and find perfect squares | 70% |
| 2 | * Solve and graph quadratic functions * Solve and graph exponential functions * Solve by completing the square | 70% |
| 2 | * Simplify and perform operations with radical expressions * Solve radical equations * Use Pythagorean Theorem and Distance Formula * Use similar triangles and trigonometric ratios | 70% |
| 2 | * Add, subtract, multiply and divide rational expressions * Solve Equations involving rational expressions | 65% |