**Textbook/Instructional Materials:**

Larson, Boswell, Kanold, Stiff. Algebra 2. Holt McDougal. 2012.

The contents of this course are aligned with the Massachusetts Curriculum Framework for Mathematics as set forth by the Massachusetts Department of Education.

Topics of this challenging course include foundations for functions, quadratic functions, polynomial functions, exponential and logarithmic functions, rational and radical functions, properties and attributes of functions, & an introduction to trigonometry.

**Syllabus:**

Term One Topics:

* Chapter 1: Quadratic Functions and Factoring
* **Assessments**
  + Classwork, Homework, Quizzes, and Tests

Term Two Topics:

* Chapter 2: Polynomials and Polynomial Functions
* **Assessments**
  + Classwork, Homework, Quizzes, Tests, and the Mid-Year Exam

Term Three Topics:

* Chapter 3: Rational Exponents and Radical Functions
* **Assessments**
  + Classwork, Homework, Quizzes, and Tests

Term Four Topics:

* Chapter 4: Exponential and Logarithmic Functions
* Chapter 5: Rational Functions
* Chapter 9: Introduction to Trigonometry (if time allows)
* **Assessments**
  + Classwork, Homework, Quizzes, Tests, and the Final Exam

**Assessment Tools:**

* Classwork, Homework, Notebook, Projects, Quizzes, Tests, Midyear Exam, Final Exam

**Grading Policy:**

Effort Grade (Homework & Notebook) = 20% (Assigned daily)

Test/Half-Test/Project Average = 80%

**Materials:** Students are expected to bring a binder to class every day. In addition, students will need a writing utensil. A scientific calculator is highly recommended, but not required.

**Expectations of Students:**

* + PREPARED FOR CLASS – Students should attend class daily, equipped with textbook, binder, and a pen/pencil.
  + ON TIME – Students late to class without a pass are to report to my classroom at 2:30.
  + RESPECT – Students are expected to respect the teacher, each other and school property.
  + TEXTBOOKS – Students are responsible for their textbooks. Textbooks must be covered and returned in good condition.
  + ABSENCES - Students are responsible for any make-up work missed due to an excused absence.

**Extra Help:** Available before and after school by appointment.

**Classwork/Homework Policy:** Approximately 15 – 30 minutes of homework is assigned on a daily basis, which is consistent with the Quincy Public Schools policy.

\**See IEP or 504 Plans for modifications where applicable.*