COURSE TITLE
Algebra 1

TEXT OR RESOURCES and AUTHOR
Algebra 1 by Carter, Cuevas, Day, Malloy, Holliday and Luchin

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McGraw Hill 2014

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COURSE DESCRIPTION:

COURSE: Algebra 1
FOR: 9
CREDIT: 1
PREREQUISITES: Successful completion of Math 8/Math 8 Honors and teacher recommendation

This is the first course in the algebra sequence. Some of the topics include: using variables, number systems, operations with real numbers, graphing, solving equations and inequalities, relations and functions, systems of equations and inequalities, using and factoring polynomials, exponential, radical and quadratic equations. A thorough understanding of fractions, percentages and decimals without a calculator is strongly suggested.

COURSE SYLLABUS:

Chapter | Topic
---------|-----------------------------------------------
1        | Expressions, Equations, and Functions (0.2, 1.1, 1.2, 1.3, 1.4, 1.6, 1.7)
2        | Linear Equations (2.1, 2.2, 2.3, 2.4, 2.8a, 2.6, 2.7, 2.8b)
5        | Linear Inequalities (5.1, 5.2, 5.3, 5.4)

Mini-Unit | Absolute value equations and inequalities (2.5, 5.5)
3        | Linear Functions (3.1, 3.3, 3.4, 3.5, 3.6)
4        | Equations of Linear Functions (4.1, 4.2, 4.3, 4.4, 4.5, 4.6)

Semester II

Chapter | Topic
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6        | Systems of Linear Equations and Inequalities (6.1, 6.2, 6.3, 6.4, 6.5, 5.6, 6.6)
7        | Exponents and Exponential Functions (7.1, 7.2, 7.4, 7.5, 7.7)
8        | Quadratic Expressions and Equations
KEY COMPONENTS TO TESTING OUT

1. Name of Course: **Algebra 1**
2. Course description (above)
3. Course syllabus (above)
4. Final Requirements (check those that apply)
   _X_ exam
   ___portfolio
   ___demonstration performances
   ___presentation
   ___papers
   ___projects
5. A description of the requirement(s) checked above and how it (they) will be assessed.

   **The testing out exam will consist of 100 multiple choice questions with a value of one point each. Students may use a scientific calculator but NOT A GRAPHING CALCULATOR.**

6. Grade calculation for attainment of C+

   **To test out of Algebra 1, a score of at least 77/100, (77%, C+) must be attained.**