

**Course Description**  
**Basic Pre-Algebra**

**Description:**

This course prepares students for a first year Algebra course. It serves as a transition from arithmetic to algebra. Coursework includes a review of the concepts of arithmetic and an introduction to variable, expressions and equations, proportion, percent, and equations and inequalities and their graphs. It will help students automate the use of fractions, mixed numbers, and decimal numbers in all operations. It will also present procedures for solving simple word problems. The concepts of area, percent, ration, and order of operations are introduced. This is a one-year course, 5 credits each semester will be awarded with a passing grade. Pre-requisite: "C" grade or better in 8<sup>th</sup> Grader or General Math

**Learning Objectives:**

- \*Provide study into the different algebraic operations
- \*Understand fractions; whole number components, common denominators, and absolute value
- \*Learn the principles of algebraic equations
- \*Learn beginning functions of geometry
- \*Collect, organize, and represent data sets with one or more variables

**Curriculum:**

Textbook and Workbook: Pre-Algebra, AGS

**Methods of Assessment:**

May include but not be limited to:

- \*Review of student work by the Independent Study Teacher
- \*Chapter and Unit tests
- \*Student grades on text practices
- \*Final Examination

**Key Assignments:**

Unit by Unit problem Sets  
End of Chapter Tests  
Final Examination

**Grading Scale:**

30%  
50%  
20%