

Course Description Basic Math

Description:

This is a developmental course for basic math skills with strong emphasis on practice and application. Designed as a review before going on to Pre-Algebra the course will cover computational skills, word problems, fractions, decimals, percents, geometry, perimeter, circumference, area, volume, ration, proportion, exponents, scientific notation, signed numbers, mean, median, mode, sales tax, solving equations and more. This course can be structured based on the needs of the individual student and all or part of the above topics may be covered as needed.

Objectives:

- *Demonstrate ability to add, subtract, multiply and divide whole numbers
- *Compute with fractions and decimals
- *Demonstrate and understanding of ratios and proportions
- *Understand basic geometry concepts and computations involving: perimeter, area, circumference, and volume.
- *Determine the proper methods to solve problems based on problem analysis

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

Curriculum:

May be selected from the following:

Textbook; Saxon Math 76 (7th grade level) Saxon 87 (8th grade level)

Textbook; Basic Math, Globe-Ferron

Textbook; Basic Math Skills, AGS

Textbook; Refresher Mathematics, Edwin Stein, 1991

University of Nebraska-Lincoln, Basic Mathematics 1 and 2

Laurel Springs, Practical Math, text

North Dakota Independent Study, General Mathematics, Semesters 1 and 2

This is a one-year course, 5 credits each semester will be awarded with a passing grade.

Note: Basic Math will earn only elective credits.

Grading:

Weekly Assignments: 50%

Chapter Tests: 25%

Final: 25%