SPECIAL EDUCATION MATH
GRADES 9-12
(2 Years)

COURSE OVERVIEW:

This course provides instruction in basic math life skills and covers basic operations, fractions, decimals, percents, measurement, algebra skills, geometry skills, money sense, graphing, and problems solving. Calculators may be used.

UNITS OF INSTRUCTION:

YEAR 1

SEMESTER 1

UNIT I - Counting Calories

UNIT II - Basic Skills
- Rounding
- Place Value
- Comparing Numbers
- Reading and Writing Whole/ Decimals
- +, -, x Decimals
- Order of Operations

UNIT III - Measurement

UNIT IV - Fractions

SEMESTER 2

UNIT V - Percents

UNIT VI - Statistics and Graphing

UNIT VII - Money Sense

UNIT VIII - Geometry

UNIT IX - Algebra – Simple Equations

YEAR 2

SEMESTER 1

UNIT I - Reading Labels

UNIT II - Basic Skills
- Exponents
- +, -, x Decimals
- Order of Operartions

UNIT III - Measurement

UNIT IV - Fractions

SEMESTER 2

UNIT V - Percents

UNIT VI - Algebra and Graphing

UNIT VII - Money Sense

UNIT VIII - Geometry

UNIT IX - Algebra

STUDENT OUTCOMES:

1.	Demonstrate and apply a knowledge and sense of numbers, including numeration and operations. (6A, 6,B, 6C, 6D)
2.	Demonstrate an ability to estimate; make and use measurements of objects, quantities, and relationships; and determine acceptable levels of accuracy. (7A, 7B, 7C)
3.	Demonstrate an ability to use algebraic and analytical methods to identify and describe patterns and relationships in data, to solve problems, and to predict results. (8A)
4.	Demonstrate an ability to use geometric methods to analyze, categorize, and draw conclusions about points, lines, planes, and space. (9A, 9B)
5.	Demonstrate an ability to collect, organize, and analyze data using statistical methods; predict results; and interpret uncertainty using concepts of probability. (10A, 10B, 10C)

LEARNING EXPERIENCES TO ACHIEVE OUTCOMES:

1.	Graphing Project
2.	Checking Unit Project
3.	Real World Math Project
4.	Lesson Design Project
5.	Math Career Project

ADOPTED TEXT OR PRINCIPAL MATERIALS USED:

Frederick, H. *Practical Mathematics*. Holt Rinehart and Winston, 1998	(adopted 1999)

(01/10/04)
(07/19/99)
(02/03/98)
(05/11/95)