I. Course Description

The Liberty University Online Academy’s math program will strive to develop number sense within each student. It will prepare the students for the next level of math. The Biblical basis of math will be presented and real-life activities presented, so the need for and usefulness of mathematics in the world may be seen. Reviews will be implemented as well as speed drills for basic math recall. This is all in preparation for building concept upon concept.

II. Rationale

Mathematics is a concept that is used daily in everyone’s life. This course will prepare students for a lifetime of mathematics use in the everyday world.

III. Prerequisites

None.

IV. Materials List

Microsoft Office or compatible software, scanner, printer, computer camera

V. Measurable Learning Outcomes

The student will be able to:

A. The student will understand and explore whole number concepts, ordinals, and place value.
B. The student will understand and explore whole fractions and fraction concepts.
C. The student will explore and understand algebraic concepts and geometric and numerical patterns.
D. The student will classify and explore attributes of objects and shapes.
E. The student will understand, explore, and solve problems involving addition and subtraction.
F. The student will understand, explore, and solve problems involving multiplication and division.
G. The student will understand and explore concepts of time and money.
H. The student will explore and understand measurement in standard and non-standard units.
I. The student will collect and display data using a variety of methods.

VI. Course Requirements and Assignments

A. Individual lesson assessments
B. Several quizzes per Unit
C. 1 Test per Unit

VII. Course Grading and Policies

A. Grading Weights

Lesson Assignments 25%
Quizzes and Written Assignments 35%
Tests 40%

B. Scale
A 93 – 100
B 85 – 92
C 77 – 84
D  70 – 76
F  Below 70

VIII.  Other Policies
A.  Academic Misconduct
See pages 27-30 of your Student Handbook
B.  Repeating Assignments
Students have two attempts for daily lessons. Quizzes and tests cannot be repeated to gain a higher grade. Quizzes and tests may be reset for technical issues, but a new set of questions will be generated.