LIBERTY UNIVERSITY | Online Academy

3rd Grade Math

MAT0300

Course Description

The Liberty University Online Academy's 3rd Grade Math Course provides students with exceptional opportunities to make real Biblical worldview connections to math through engaging and exciting lessons, materials, and activities. The math course utilizes a Biblical theme in each math module that helps the students to review their prior knowledge and continue to build a solid foundation for continued future knowledge. An end of the course math review and simulation allows the students to utilize their acquired math skills through an innovative process that will encourage and excite each student's interest in math.

Rationale

The 3rd Grade Math Course utilizes prior math knowledge and expands it with new math skills and techniques which will greatly assist the student in current and future educational endeavors.

Prerequisite

2nd Grade Math

Biblical Integration Outcomes

A. God has a purpose and plan for our lives.
B. Work hard at everything.

Measurable Learning Outcomes

A. Identify and understand the process of addition and subtraction.
B. Identify and understand standard, expanded, and word form.
C. Identify and understand place value and ordering numbers.
D. Identify and understand money.
E. Identify and understand time.
F. Identify and understand the steps in solving money and time word problems.
G. Understand the importance of collecting and analyzing data.
H. Identify and understand different types of graphs.
I. Identify and understand fractions.
J. Identify and understand fraction comparison and equivalent fractions.
K. Identify and understand mixed numbers and improper fractions.
L. Identify and understand different components with geometry.

M. Identify and understand probability, rounding, and estimation.
N. Identify and understand how to add and subtract decimals.
O. Identify, understand, and master multiplication fact families 1-12.
P. Identify and understand the steps to division.
Q. Understand how to check division problems with the process of multiplication.

Course Materials

See LUOA's Systems Requirements for computer specifications necessary to operate LUOA curriculum. Also view Digital Literacy Requirements for LUOA's expectation of users' digital literacy.

The student will need access to general supplies such as printer paper, pencils, colored pencils, crayons, markers, tape/glue, and construction paper.

This course makes use of third-party digital resources to enhance the learning experience. These resources have been curated by LUOA staff and faculty and can be safely accessed by students to complete coursework. Please ensure that internet browser settings, pop-up blockers, and other filtering tools allow for these resources to be accessed.

The following resource(s) are used throughout this course:

Education City

Note: Embedded YouTube videos may be utilized to supplement LUOA curriculum. YouTube videos are the property of the respective content creator, licensed to YouTube for distribution and user access. As a non-profit education institution, LUOA is able to use YouTube video content under the YouTube Terms of Service and the provisions of the TEACH Act of 2001. For additional information on copyright, please contact the Jerry Falwell Library.

Course Grading Policies

The students' grades will be determined according to the following grading scale and assignment weights. The final letter grade for the course is determined by a 10-point scale. Assignments are weighted according to a tier system, which can be referenced on the Grades Page in Canvas. Each tier is weighted according to the table below. Items that do not affect the student's grade are found in Tier 0.

Grading Scale	
A	90-100%
B	80-89%
C	70-79%
D	60-69%
F	0-59%

Assignment Weights	
Tier 0	0%
Tier 1	25%
Tier 2	35%
Tier 3	40%

Course Policies

Students are accountable for *all* information in the Student Handbook. Below are a few policies that have been highlighted from the Student Handbook.

Types of Assessments

To simplify and clearly identify which policies apply to which assessment, each assessment has been categorized into one of four categories: Lesson, Assignment, Quiz, or Test. Each applicable item on the course Modules page has been designated with an identifier chosen from among these categories. Thus, a Quiz on the American Revolution may be designated by the title, "1.2.3 *Quiz*: The American Revolution." These identifiers were placed on the Modules page to help students understand which Honor Code and Resubmission policies apply to that assessment (see the Honor Code and Resubmission policies on the pages to follow for further details).

- **Lesson:** Any item on the Modules page designated as a "Lesson"
  These include instructional content and sometimes an assessment of that content. Typically, a Lesson will be the day-to-day work that a student completes.
- **Assignment:** Any item on the Modules page designated as an "Assignment"
  Typical examples of Assignments include, but are not limited to, papers, book reports, projects, labs, and speeches. Assignments are usually something that the student should do their best work on the first time.
- **Quiz:** Any item on the Modules page designated as a "Quiz"
  This usually takes the form of a traditional assessment where the student will answer questions to demonstrate knowledge of the subject. Quizzes cover a smaller amount of material than Tests.
- **Test:** Any item on the Modules page designated as a "Test"
  This usually takes the form of a traditional assessment where the student will answer questions to demonstrate knowledge of the subject. Tests cover a larger amount of material than Quizzes.

Resubmission Policy

Students are expected to submit their best work on the first submission for every Lesson, Assignment, Quiz, and Test. However, resubmissions may be permitted in the following circumstances:

- **Lesson:** Students are automatically permitted two attempts on a Lesson. The student may freely resubmit for their first two attempts without the need for teacher approval.
- **Assignment:** Students are intended to do their best work the first time on all Assignments. However, any resubmissions must be completed before the student moves more than one module ahead of that Assignment. For example, a student may resubmit an Assignment from Module 3 while in Module 4, but not an Assignment from Modules 1 or 2. High School students may not resubmit an Assignment without expressed written permission from the teacher in a comment.
- **Quiz:** Students may NOT resubmit for an increased grade.
- **Test:** Students may NOT resubmit for an increased grade.

If a student feels that he or she deserves a resubmission on a Lesson, Assignment, Quiz, or Test due to a technical issue such as computer malfunctioning, the student should message his

or her teacher to make the request, and that request will need to be approved by a Department Chair.

Consequences for Violations to the Honor Code

Every time a student violates the Honor Code, the teacher will submit an Honor Code Incident Report. The Student Support Coordinator will review the incident and allocate the appropriate consequences. Consequences, which are determined by the number of student offences, are outlined below:

- **Warning:** This ONLY applies to high school Lessons and elementary/middle school Assignments and Lessons. These will be taken as a teaching moment for the student.
    - **Lessons:** A zero will be assigned for the question only.
    - **Elementary/Middle School Assignment:** The student must redo their work. However, they may retain their original grade.
- **1st Offense:**
    - **Lesson, Quiz, or Test:** The student will receive a zero on the entire assessment.
    - **Assignment:** The student will either:
        - Receive a 0% on the original assignment
        - Complete the Plagiarism Workshop
        - Retry the assignment for a max grade of 80%
- **2nd Offense:** The student will receive a zero and be placed on Academic Probation.
- **3rd Offense:** The student will receive a zero and the Faculty Chair will determine the consequences that should follow, possibly including withdrawal from the course or expulsion from the academy.

LIBERTY UNIVERSITY | Online Academy

Scope and Sequence

3rd Grade Math

Module 1: Numbers

Week 1: Place Value and Reading Numbers
Week 2: Writing Numbers
Week 3: Rounding
Week 4: Comparing Numbers

Module 2: Addition and Subtraction

Week 5: Relationships
Week 6: Computation
Week 7: Properties
Week 8: Multiplication Properties and Module 2 Test

Module 3: Measurement

Week 9: Time
Week 10: Measuring Systems
Week 11: Money
Week 12: Temperature and Module 3 Test

Module 4: Multiplication and Division

Week 13: Introduction and Facts 0-5
Week 14: Facts 6-9
Week 15: Facts 10-12 and Word Problems

Module 5: Fractions

Week 16: Understanding Fractions
Week 17: Comparing Fractions
Week 18: Adding and Subtracting Fractions

Module 6: Geometry

Week 19: Plane and Solid Shapes
Week 20: Line Segments and Angles
Week 21: Congruent and Symmetry
Week 22: Module Tests and Projects

Module 7: Probability, Graphs and Decimals

Week 23: Probability and Bar Graphs
Week 24: Patterns
Week 25: Decimals

Module 8: More with Multiplication

Week 26: Multiplying with 3 Numbers
Week 27: Multiplying with a 1-Digit Number by a Larger Number
Week 28: Multiplication Review

Module 9: More with Division

Week 29: Reviewing Division and Division Problems
Week 30: Division Word Problems and Rules
Week 31: Division Review and Module 9 Test

Module 10: End of Year Review

Week 32: Review
Week 33: Review
Week 34: Review
Week 35: Review
Week 36: Review