

LIBERTY UNIVERSITY



Grade Level
Curriculum Guide
5th Grade



Liberty University Online Academy
Distance Learning Administration
1971 University Blvd.
Lynchburg, VA 24502

PROFILE SHEET

Description: Liberty University Online Academy is a grade 3-12 unit school dedicated to maintaining high academic standards within the framework of a technology-based educational program. The school is physically housed at Liberty University in Lynchburg, Virginia, with students attending from national and international sites. The school believes in and is dedicated to preparing young people to fulfill elementary and secondary academic objectives that will enable them to pursue post high school goals.

Accreditation: The Academy is accredited by the Southern Association of Colleges and Schools Council on Accreditation and School Improvement (SACS CASI). SACS CASI, an accreditation division of its parent organization AdvancEd, accredits nearly 13,000 public and non-public institutions in 11 southeast states, Mexico, Central and South America, and islands of the Caribbean.

Faculty: Academy teachers are degreed in their subject area and state licensed as prepared professionals. They provide support to parents and students through electronic correspondence. Assessment of student work is provided by the teacher, and grades are available to students and parents twenty-four hours daily through an online grade-book.

School Year: A school year is considered to be 180 days, or 90 days per semester.

Unit of Credit: While there is flexibility in doing schoolwork in a distance format, the Academy requires 180 days of instructional work for full academic credit to be granted.

Curriculum: Liberty University Online Academy offers courses for elementary and high school students (grades 3-12) with an emphasis on individualized learning. The Christ-centered curriculum is provided through an Internet-based format that utilizes the latest in online technology including a wide variety of interactive educational activities—movies, animations, instructional games, and audio clips—to engage students actively in the learning process. Dual enrollment credits are available to qualified high school students through a partnership with Liberty University's Distance Learning Program.

Achievement Tests: Students at Liberty University Online Academy are administered annual achievement testing, using the Stanford Achievement Test Series, Tenth Edition.

Diplomas: Two high school diploma options are available – standard and advanced diplomas.

GRADING SCALE

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

5th Grade Scope and Sequence

Bible	Language Arts	Mathematics	Science	Social Studies
How Can I Live for God?	Reading and Writing	Numbers and Operations	Plants	Our Earth
God's Knowledge	Reading and Meaning	Estimating, Rounding, and Operations	Animals	Seaport Cities
Saul Begins to Live for God	Word Play	Numbers and Operations	Man and His Environment	Desert Islands
The Bible and Me	Words in Season	Geometry and Operations	Machines	Grasslands
God Cares for Us	Reading and Writing Stories	Division	Electricity and Magnetism	Tropical Rainforests
How Can I Know God Exits?	Rhymes and Reports	Operations and Fractions	Changes in Matter	The Polar Regions
Geography and the Old Testament	Forms of Literature	Operations and Fractions	Weather	Mountain Countries
God-Given Worth	Language in Literature	Fractions and Measuring	Our Solar System and the Universe	Living in Island Countries
Witnessing for Jesus	Reading and Researching	Fractions and Decimals	The Planet Earth	North America
God's Way is Perfect	Review	Statistics and Review	Understanding God's Wonderful Creation	Our World in Review

Bible: 5th Grade – Christian Basics I

Course Overview

Fifth grade Bible focuses on biographies of faithful people, angels, the presence of God, Bible study methods, the Christian's relationships, and Paul's missionary journeys. These areas target five content strands: theology, the attributes of God, biblical literature, biblical background, and Christian evidences.

Learner Objectives

Upon completion of the course, students:

- Follow the examples of godly Christians.
- Understand the nature and ministry of angels.
- Appreciate the presence of God everywhere and in their lives.
- Distinguish between the different types of literature in the Bible.
- Discuss biblical proofs for what Christians believe.
- Identify key people, places, and events in Paul's missionary journeys.
- Understand the different ways that God is a judge.
- Explain the role of law and authority in God's world.

There are 83 lessons, 8 projects, 31 quizzes, and 10 tests divided among 10 total units of instruction.

Course Sequence

Unit 1: How Others Lived for God

8 Lessons, 1 Project, 3 Quizzes, 1 Test

- Fellow-laborers with God
- Abraham—a Man of Faith
- Servants of God
- Co-workers with God

Unit 2: Angels

8 Lessons, 3 Quizzes, 1 Test

- Characteristics of Angels
- Kinds of Angels
- The Ministry of Angels
- Angels in the Life of Jesus

Unit 3: The Presence of God

8 Lessons, 1 Project, 3 Quizzes, 1 Test

- God Is Everywhere
- God Is a Person
- God in the Lives of Others
- God in My Life

Unit 4: Bible Methods and Structure

9 Lessons, 1 Project, 3 Quizzes, 1 Test

- One Book with Many Parts

- Books of History
- Books of Poetry and Prophecy
- Books of the New Testament

Unit 5: The Christian in the World

8 Lessons, 3 Quizzes, 1 Test

- Instruction and Correction
- Learning Correct Behavior
- Relationships at School
- Relationships in the World

Unit 6: Proving What We Believe

8 Lessons, 1 Project, 3 Quizzes, 1 Test

- The Bible Is God's Word
- Evidence from the Bible
- Evidence from History and Science
- Knowing Christ's Resurrection

Unit 7: Paul's Missionary Journeys

9 Lessons, 1 Project, 3 Quizzes, 1 Test

- Paul's Background
- Paul's Missionary Journeys
- The Jerusalem Council
- Paul's Last Years

Unit 8: God Created Man for Eternity

7 Lessons, 1 Project, 3 Quizzes, 1 Test

- Preparing for Eternity
- Christ Is Our Judge
- The Judgment of the Christian
- The Judgment of the Unserved

Unit 9: Authority and Law

8 Lessons, 2 Projects, 3 Quizzes, 1 Test

- God Is the Source of Law
- The Model of Law
- The Authority of the Family
- The Authority of Government

Unit 10: Review

10 Lessons, 4 Quizzes, 1 Test

- The Presence of God and Angels
- Understanding the Bible
- Areas of Service
- The Order of Authority

Language Arts: 5th Grade

Course Overview

Fifth grade Language Arts continues to build on the sequential development and integration of communication skills in four major areas—reading, writing, speaking, and listening. It most specifically focuses on deepening and furthering students' understanding in the following ways:

- **Reading-** develops students' basic reading skills, including the identification of main ideas, supporting details, sequence, and facts and opinions; introduces more advanced reading skills, showing students how to make inferences and derive implied meanings; shows students how to identify parts of speech in sentences, with emphasis on nouns, adverbs, and verb tenses; develops students' capacities for identifying basic elements of narrative prose; introduces students to types of nonfiction, including biographies, autobiographies, and short essays; helps students develop basic literary comprehension skills through the reading of excerpts from *Beowulf*, *Call it Courage*, and *Gulliver's Travels* and of various short stories, nonfiction pieces, and poetry.
- **Writing-** develops students' understanding of sentence structure, providing hands-on experience with subject-verb agreement and parts of speech; emphasizes parts of speech and their roles, including adjectives, nouns, and verbs; familiarizes students with roots, affixes, and basic word relationships, including homonyms, synonyms, and antonyms; develops students' vocabulary and spelling skills; gives students the opportunity to develop their abilities in writing paragraphs, dialogue, poetry, and short stories; guides students through planning, organizing, writing, and revising a report.
- **Special Topics-** teaches dictionary skills and comprehension of graphic visual aids; introduces students to Biblical literature topics.

Learner Objectives

By the end of the course, students:

- Identify nouns, adverbs, and verb tenses in given sentences.
- Demonstrate reading skill in making inferences and deriving implied meanings.
- Demonstrate ability to compare and contrast literature pieces.
- Write sentences with subject/verb agreement and proper verb form.
- Understand use of metaphors and similes as literary devices.

There are 102 lessons, 22 projects, 59 quizzes, and 10 tests divided among 10 total units of instruction.

Course Sequence

Unit 1: Jesus, Our Example

8 Lessons, 1 Project, 6 Quizzes, 1 Test

- The Author's Message
- Vowel Diphthong Design
- Dictionary Respellings
- Narrative Elements
- Communication with Handwriting

Unit 2: Working with Information

11 Lessons, 6 Quizzes, 1 Test

- The Author of the Story
- Compound Words and Hyphens
- Main Idea
- Mood
- Poetry
- Contractions

Unit 3: The Story of Our Language

11 Lessons, 1 Project, 6 Quizzes, 1 Test

- Word Study
- Prefixes and Suffixes
- Phrases, Adjectives, and Adverbs
- Anglo-Saxon Literature
- Middle and Modern English
- Homonyms, Idioms, Abbreviations, Antonyms

Unit 4: Effective Communication

9 Lessons, 5 Projects, 6 Quizzes, 1 Test

- Main Ideas and Supporting Details
- Speaking Courteously
- Sensible Sentences
- Taking Notes
- Writing Reports

Unit 5: Reading and Writing Stories

8 Lessons, 2 Projects, 6 Quizzes, 1 Test

- Reading a Story
- Judging the Value of a Story
- Mastering Dialogue
- Writing Better Sentences
- Story Writing

Unit 6: Poetry

10 Lessons, 3 Projects, 6 Quizzes, 1 Test

- Story Poems
- Working with Rhythm
- Humorous Poems
- Inspirational Poems
- Poetic Ideas and Devices
- Writing Poetry

Unit 7: Reading Comprehension

14 Lessons, 2 Projects, 8 Quizzes, 1 Test

- Cause and Effect
- Noun Form and Usage Review
- Judgments, Inferences, Facts, and Opinions
- Adjectives

Unit 8: Working with Words

12 Lessons, 1 Project, 6 Quizzes, 1 Test

- Verbs and Verb Forms
- Subject/Verb Agreement
- Participles
- Adverbs
- Adjectives and Changing Adjectives to Adverbs
- Comparisons
- Fables and Parables

Unit 9: Reading and Study Skills

9 Lessons, 3 Projects, 6 Quizzes, 1 Test

- Improving Reading Fluency
- Study Skills
- Outlining
- Recognizing Facts and Opinions

Unit 10: Review

10 Lessons, 4 Projects, 3 Quizzes, 1 Test

- Literature
- Poetry
- Short Story
- Reading Comprehension
- Word Study Skills
- Nouns, Adjectives, Verbs, Adverbs
- Types of Sentences

Course Focal Components

Reading Comprehension Skills

- Comparing and Contrasting
- Determining Author's Purpose—Reading for Entertainment and Reading for Information
- Identifying Facts and Opinions
- Identifying Main Ideas and Supporting Details
- Finding Implied Meanings
- Making Inferences
- Reading Poetry
- Determining Reading Rates
- Reading Biblical Literature
- Reading Short Stories
- Reading for Sequence

Composition

- Writing Reports—Summary
- Writing Dialogue
- Writing a Fable
- Writing with Facts and Opinions
- Writing Poetry—Pen Pictures, Couplets, and Free Verse
- Writing a Report—Outlining, Writing, and Revising
- Writing Short Stories—Coming Up with Seed Ideas, Developing Story Parts, Developing Characters, Writing, and Revising

Grammar and Usage

- Adjectives
- Adverbs—Changing Adverbs from Adjectives, Adverb Comparison, and Negative Adverbs
- Dialogue—Using and Punctuating Dialogue
- Kinds of Sentences—Statement, Question, Command, and Surprise/Excitement
- Levels of Language Use—Formal and Informal
- Nouns—Singular and Plural Nouns, Possessives, Subjects, Objects, and Common and Proper Nouns
- Pronouns
- Pronunciation
- Punctuation—Exclamation Points, Periods, Question Marks, and Quotation Marks
- Sentence Structure—Subject/Predicate, Participles, and Phrases
- Verbs—Verb Forms

Literature Studies

- Fiction
 - Definition—Short Story and Novel
 - Elements—Structure, Character, Dialogue, Plot, Setting, and Symbolism
 - Genre/Type—Fable and Legend
 - Literary Device—Metaphors and Similes
 - Sperry, Armstrong. *Call it Courage* (excerpt).
 - Swift, Jonathan. *Gulliver's Travels* (excerpt).
- Nonfiction
 - Definition
 - Genre/Type—Autobiography, Biography, Essay, History, and Articles
- Poetry
 - Definition
 - Elements—Structure, Rhyme, Meter, and Symbolism
 - Genre/Type—Ballad, Free Verse, and Limerick
 - Literary Device—Metaphors, Similes, and Sound Effects
 - *Beowulf* (prose paraphrase).
 - Hemans, Felicia. "The Landing of the Pilgrim Fathers in New England."
 - Longfellow, Henry. "The Village Blacksmith."
 - Whittier, John. "Barbara Frietchie."

Speaking and Listening

- Using Appropriate Words

Spelling

- Compound Words
- Contractions
- Dividing Words
- Homonyms
- Ordinal Numbers
- Roots and Affixes
- Sight Words
- Strategies—Digraphs and Diphthongs
- Words with Silent Letters
- Words with Silent and Irregular Letters

Vocabulary

- Capitalization
- Dictionary Skills
- Word Relationships—Synonyms, Antonyms, Heteronyms, and Homonyms

- Word Structure—Roots and Affixes

Special Topics

- The Bible as Literature—Nonfiction, Short Story, Poetry, Drama, and Parable
- Graphic Aids—Maps, Charts, Diagrams, Captions, and Illustrations
- Handwriting Skills
- Origin/Development of Language—Middle and Modern English
- Study Skills—Note-Taking and Summarizing
- Word Play—Palindromes, Puns, Conundrums, and Idioms

Mathematics: 5th Grade

Course Overview

Fifth grade math focuses on number skills and numerical literacy. In it, students will gain experience with number theory and operations, including decimals and fractions. This course also integrates geometric concepts and skills throughout the units as well as introduces students to statistical concepts. It presents instruction under the spiral method, with regular review and reinforcement of previous content.

Learner Objectives

By the end of the course, students:

- Perform all four operations on whole numbers and decimals.
- Perform all four operations on improper and mixed fractions and know how to simplify.
- Compare and order numbers.
- Factor numbers completely.
- Convert between fractions, decimals, and percents.
- Use estimation strategies appropriately.
- Calculate perimeters and areas of regular plane shapes and know how to measure angles.
- Solve problems related to measurement and work with plot ordered pairs on coordinate grids.
- Represent data on varied statistical charts.

There are 147 lessons, 50 quizzes, and 10 tests divided among 10 total units.

Course Sequence

Unit 1: Fractions and Number Skills

16 Lessons, 5 Quizzes, 1 Test

- Working with Numbers and Operations
- Place Values and Large Numbers
- Fractions—Words, Operations, and Equivalents
- Comparing and Rounding Numbers
- Expanded Numbers
- Estimation

Unit 2: Fractions and Facts

19 Lessons, 5 Quizzes, 1 Test

- Multiplying with 2-Digit Multipliers
- Division Problems
- Factors and Multiples
- Simplifying Fractions
- Adding and Subtracting Fractions and Mixed Numbers
- Angles, Shapes, and Solids
- Multiplication Facts—13s, 14s, and 15s
- Family of Facts
- Mathematics Symbols

Unit 3: Division, Averaging, and Polygons

13 Lessons, 5 Quizzes, 1 Test

- Short Division and Division Symbols
- Adding and Subtracting with Unlike Denominators
- Estimation
- Averaging Numbers
- Writing Number Sentences
- Properties of Addition
- Perimeters and Areas of Polygons

Unit 4: Geometry and Number Skills

13 Lessons, 5 Quizzes, 1 Test

- Lines and Protractor Measurements
- Figures—Triangles and Circles
- Numeration
- Decimals
- Multiplication Properties and Problems
- Solving Division Problems

Unit 5: Number Skills and Measurement

14 Lessons, 5 Quizzes, 1 Test

- Multiplying and Dividing by Tens, Hundreds, and Thousands
- Multiplying Two- and Three-Digit Numbers
- Measurement Problems
- Formulas
- Subtracting Mixed Numbers
- Long and Short Division

Unit 6: Decimals and Place Values

15 Lessons, 5 Quizzes, 1 Test

- Multiplication of Fractions
- Place Values
- Writing Decimal Numbers
- Multiplying and Dividing by Whole Numbers
- Adding, Subtracting, and Multiplying Decimals

Unit 7: Fraction Operations

15 Lessons, 5 Quizzes, 1 Test

- Divide with 2-Digits
- Fractions—Proper and Improper
- Reducing Fractions and Mixed Number Fractions
- Adding and Subtracting by Finding Common Denominators
- Measuring with the Metric System
- Formulas for Solving Problems
- Multiplying Fractions with Mixed Numbers
- Multiplying Decimals That Contain Whole Numbers

Unit 8: Calculators and Fractions

15 Lessons, 5 Quizzes, 1 Test

- Whole Numbers and Decimals with Calculators
- Multiplication and Division with Calculators
- Grouping Numbers
- Estimation

- Factor Boxes and Prime Factors
- Multiplication of Whole numbers, Fractions, and Mixed Numbers

Unit 9: Fractions and Division

14 Lessons, 5 Quizzes, 1 Test

- Reciprocals and Dividing Fractions
- Dividing Fractions with Whole and Mixed Numbers
- Division of Decimals
- Place Values and Remainders
- Coordinate Graphs
- Ratios
- Converting between Fractions, Decimals, and Percents
- Word Problems

Unit 10: Statistics and Review

11 Lessons, 5 Quizzes, 1 Test

- Estimation and Prediction
- Random Samples
- Graphs and Problem Solving
- Place Values
- Writing Numbers
- Solving Equations
- Multiplication and Division with Whole Numbers

Science: 5th Grade

Course Overview

Fifth grade science is a basic elementary course intended to expose students to the designs and patterns in God's physical universe. This course expands on the fourth grade course, providing a broad survey of the major areas of science, including the life, earth, and physical sciences. It also seeks to hone students' observational skills through experimentation and projects, preparing students for higher levels of science.

Learner Objectives

Upon completion of the course, students:

- Use their main senses for observation of the world around them.
- Demonstrate an understanding of cells and their structure, both plant and animal.
- Differentiate between plants, animals, fungi, protozoa, and algae.
- Explain interactions between different life forms.
- Discuss different energy transformations.
- Describe geology and how it relates to the Flood.
- Demonstrate an understanding of fossil types and the formation of fossils.
- Understand natural cycles.

There are 99 lessons, 71 lab projects, 27 quizzes, and 10 tests divided among 10 total units.

Course Sequence

Unit 1: Cells

8 Lessons, 10 Experiments/Projects, 3 Quizzes, 1 Test

- Cellular Composition
- Plant and Animal Cells
- Life Cycle of Cells

Unit 2: Plants, Fungi, and Algae: Life Cycles

8 Lessons, 7 Experiments/Projects, 3 Quizzes, 1 Test

- Seed-Producing Plants—Structure and Reproduction
- Spore-Producing Plants—Structure and Reproduction
- Fungi Structure
- Algae Structure
- Classification of Plants

Unit 3: Animals and Protozoa: Life Cycles

9 Lessons, 7 Experiments/Projects, 2 Quizzes, 1 Test

- Invertebrates
- Vertebrates
- Protozoa
- Classifying Animals
- Relating Function and Structure

Unit 4: Web of Life

9 Lessons, 9 Experiments/Projects, 3 Quizzes, 1 Test

- Needs of Life
- Dependence on Others
- Prairie Life as an Example of Balance
- Stewardship of Nature

Unit 5: Transformation of Energy

11 Lessons, 6 Experiments/Projects, 4 Quizzes, 1 Test

- Work and Energy
- Heat Energy
- Chemical Energy
- Energy Sources

Unit 6: Records in Rock: The Flood

8 Lessons, 5 Experiments/Projects, 3 Quizzes, 1 Test

- The Biblical Account
- Before the Flood
- The Flood
- After the Flood

Unit 7: Records in Rock: Fossils

10 Lessons, 7 Experiments/Projects, 2 Quizzes, 1 Test

- Fossil Types
- Fossil Location
- Identifying Fossils
- Reading Fossils

Unit 8: Records in Rock: Geology

13 Lessons, 6 Experiments/Projects, 2 Quizzes, 1 Test

- Features of the Earth
- Rocks of the Earth
- Forces of the Earth
- Changes in the Earth

Unit 9: Cycles in Nature

11 Lessons, 8 Experiments/Projects, 2 Quizzes, 1 Test

- Properties of Matter
- Changes in Matter
- Natural Cycles
- God's Order

Unit 10: Look Ahead

12 Lessons, 6 Experiments/Projects, 3 Quizzes, 1 Test

- Plant and Animal Life
- Balance in Nature
- Biblical Records
- Records of Rock

History and Geography: 5th Grade

Course Overview

History and Geography 5th Grade continues the process of developing in students an understanding of and appreciation for God's activity as seen in the record of man and his relationships. It focuses on two major areas, American History and Geography. The course covers American History from early exploration through the Reconstruction, with special emphasis given to inventions and technology of the 19th and early 20th centuries. Geography of the Americas is taught with special emphasis on Mexico, Canada, and U.S. regional geography. These areas of focus target four major content strands: History, Geography, Government and Citizenship, and Social Studies Skills. Additionally, students will gain practice in report-writing and story-writing, covering topics like proverbs, the Pledge of Allegiance, frontier life, inventions, and more.

Learner Objectives

Upon completion of the course, students:

- Identify significant explorers, such as Christopher Columbus, Francisco Coronado, Sir Francis Drake, Ferdinand Magellan, and Samuel de Champlain, noting their accomplishments.
- Understand how conflict between the American colonies and Great Britain led to American independence.
- Understand political and social changes that occurred in the United States during the 19th century, including changes resulting from the Industrial Revolution, and explain how these changes led to conflict among sections of the United States.
- Describe the causes and effects of the Civil War and its aftermath.
- Apply geographic tools, including maps, legends, and symbols.
- Locate and describe U.S. regions made up of various groups of states, such as New England and the Great Plains.

There are 86 lessons, 8 projects, 32 quizzes, and 10 tests divided among 10 total units of instruction.

Course Sequence

Unit 1: Exploring the New World

11 Lessons, 3 Quizzes, 1 Test

- The Exploration of America
- Using Maps and Charts
- *The First Colonies*

Unit 2: Colonial American Life

9 Lessons, 1 Project, 3 Quizzes, 1 Test

- Life in the Colonies
- Focus on Ben Franklin

Unit 3: Thirteen Colonies Become a New Nation

8 Lessons, 1 Project, 4 Quizzes, 1 Test

- The Conflict with Britain
- The War for Independence
- The Birth of the United States

Unit 4: New Lands and Troubled Times

8 Lessons, 1 Project, 3 Quizzes, 1 Test

- The Louisiana Purchase
- The War of 1812
- The Civil War and Reconstruction

Unit 5: The United States Becomes a World Leader

6 Lessons, 1 Project, 3 Quizzes, 1 Test

- The Industrial Revolution and Inventions
- Improvements in Communication and Transportation
- Industrialization and the Growth of Corporations
- Immigration

Unit 6: United by Transportation and Communication

10 Lessons, 1 Project, 3 Quizzes, 1 Test

- Improvements in Communication and Transportation
- The Industrial Revolution and Inventions

Unit 7: The United States—One Nation with Many Regions

8 Lessons, 1 Project, 3 Quizzes, 1 Test

- Regional Geography of the United States

Unit 8: Our Southern Neighbors

7 Lessons, 1 Project, 3 Quizzes, 1 Test

- Mexico—Geography and Culture
- Central America—Geography and Culture
- The Caribbean—Geography and Culture

Unit 9: Canada—Our Northern Neighbor

9 Lessons, 1 Project, 3 Quizzes, 1 Test

- Canadian Geography
- Canadian History and Government
- Canadian Culture

Unit 10: Review

10 Lessons, 4 Quizzes, 1 Test

- The New World—Exploration and Growth
- Geography of the Americas