



Grade Level
Curriculum Guide
7th 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

7th Grade Scope and Sequence

Bible	Language Arts	Mathematics	General Science I	Social Studies
Worship	Nouns, Pronouns, and Using Words Correctly	Sets and Number Systems	What is Science	What is History?
Mankind	Language Usage	Place Value	Perceiving Things	What is Geography?
The Attributes of God	Biographies and Grammar	Whole Numbers	Earth in Space I	The United States
Christian Evidences	Structure of Language	Multiplication and Division	Earth in Space II	Anthropology – the Study of Mankind
Living the Balanced Life	The English Language	Fraction Addition and Subtraction	The Atmosphere	Sociology – Man in Groups
The Psalms	Mechanics and Structure of English	Fraction Multiplication and Division	Weather	Anthropology and Sociology in the United States
The Life of Christ – Part I	The Hiding Place	Geometry	Climate	Economics – Resources and Needs
The Life of Christ – Part II	Nonfiction and Communication	Statistics and Graphs	Human Anatomy I	Political Science
The Life of Christ – Part III	Writing and Pronunciation	Formulas, Functions, Ratios, and Proportions	Human Anatomy II	Economics and Politics of a State
Review	Review	Math in Sports: a Themed Review	Review	Review

Bible: 7th Grade – Christian Basics II / Life of Christ

Course Overview

Seventh grade Bible focuses on worship, mankind, attributes of God, prophecies about Christ, living of balanced lives, and the book of Psalms. Special emphasis is given to the life of Christ from His pre-existence and birth to His resurrection and ascension. These areas target five content strands: theology, the attributes of God, biblical literature, Christian growth, and the life of Christ (a special topic).

Learner Objectives

Upon completion of the course, students:

- Understand the design and practice of Christian worship.
- Describe the nature and purpose of humanity.
- Explain some of the moral attributes of God.
- Follow the biblical presentation of Jesus as the Messiah.
- Identify the characteristics of a balanced Christian life.
- Demonstrate an understanding of the history and design of the book of Psalms.
- Present the primary events in the life of Christ.

There are 74 lessons, 3 projects, 34 quizzes, and 10 tests divided among 10 total units of instruction.

Course Sequence

Unit 1: Worship

7 Lessons, 1 Project, 3 Quizzes, 1 Test

The Nature of Worship
Old Testament Worship
New Testament Worship
True Worship

Unit 2: Mankind

6 Lessons, 4 Quizzes, 1 Test

The Origin of Man
The Fall of Man
The Re-creation of Man
The Mission of Man

Unit 3: The Attributes of God

4 Lessons, 3 Quizzes, 1 Test

God's Nature of Love
God's Expression of Love
The Mercy of God
The Grace of God

Unit 4: Christian Evidences

4 Lessons, 1 Project, 2 Quizzes, 1 Test

Method of the First Advent
Purpose of the First Advent
The Messiah Foretold
Fulfillment of the Messiah

Unit 5: Living the Balanced Life

7 Lessons, 4 Quizzes, 1 Test

The Father's Gift of Life
Man's Deception
Fellowship with the Savior
The Life of the Spirit

Unit 6: The Psalms

7 Lessons, 3 Quizzes, 1 Test

The History of the Psalms
Types of Psalms
Hebrew Poetry
Psalm 100

Unit 7: The Life of Christ—Part 1

12 Lessons, 4 Quizzes, 1 Test

The Early Life of Christ
Christ's Ministry Begins
The Early Judean Ministry
The Early Galilean Ministry

Unit 8: The Life of Christ—Part 2

8 Lessons, 1 Project, 3 Quizzes, 1 Test

The Public Ministry in Galilee
The Private Ministry in Galilee
The Judean Ministry
The Galilean Ministry

Unit 9: The Life of Christ—Part 3

8 Lessons, 3 Quizzes, 1 Test

The Public Jerusalem Ministry
The Private Jerusalem Ministry
The Crucifixion
The Resurrection

Unit 10: Review

11 Lessons, 5 Quizzes, 1 Test

The Plan of God
Man's History
The Savior's Solution
Worship of Christ

Language Arts: 7th Grade

Course Overview

Language Arts 7 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' reading skills, including the identification of main ideas, supporting details, and sequence; teaches students how to reach logical conclusions as well as use appropriate reading rates; shows students how to identify parts of speech in sentences, with emphasis on adjectives, adverbs, conjunctions, pronouns, and verb types; helps students develop basic literary comprehension skills through the reading of biographical and autobiographical pieces, poetry, and character analyses.
- **Writing-** develops students' understanding of sentence structure, providing hands-on experience with coordination, conjunctions, subject-verb agreement, participles, and phrases; 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, character analyses, character sketches, short biographies, summaries, and poetry; develops students' critical thinking skills through speculative writing on morality.
- **Speaking-** teaches skills that enable students to become effective speakers and communicators, weaving the skills throughout the course.
- **Listening-** teaches effective listening comprehension skills, weaving these throughout the lessons; builds upon students' study skills.

Learner Objectives

By the end of the course, students:

- Demonstrate writing skills in word usage to develop sentence variety: subject/verb agreement, ambiguity, vivid modifiers, and proper punctuation.
- Write paragraphs using topic sentences and supporting details.
- Correctly use mnemonic devices for homonyms.
- Identify use of sequencing techniques in story reading.

There are 126 lessons, 17 projects, 59 quizzes, and 10 tests divided among 10 total units of instruction.

Course Sequence

Unit 1: Nouns, Pronouns, and Using Words Correctly

11 Lessons, 1 Project, 6 Quizzes, 1 Test

- Documentation
- Nouns as Labels
- Common and Proper Nouns
- Pronouns: Personal and Reflexive Cases
- Demonstratives
- Using Mnemonic Devices for Homonyms

Unit 2: Language Usage

10 Lessons, 2 Projects, 6 Quizzes, 1 Test

- Speaking Expressively
- Listening for Purpose
- Verb Tenses and Conjugation

Unit 3: Biographies and Grammar

10 Lessons, 1 Project, 4 Quizzes, 1 Test

- Sequencing Events When Reading
- Flashback and Inferences in Biography
- Find Word Meaning Using Prefixes and Suffixes

Unit 4: Structure of Language

11 Lessons, 1 Project, 6 Quizzes, 1 Test

- Sentence Structure: Subject and Predicate
- Patterns: Inverted and Compound Parts, S/V/DO
- Patterns: S/V/PN, S/V/PA, S/V/IO/DO
- Writing Complete Sentences
- Pitch/Accent/Pause
- Word Choices in Sentence Development: Ambiguity, Vivid Modifiers

Unit 5: The English Language

16 Lessons, 2 Projects, 6 Quizzes, 1 Test

- Expressive Writing
- Formal, Informal, Nonstandard English
- Subject/Verb Agreement
- Direct Objects
- Verbs Often Confused
- Pronouns Often Confused

Unit 6: Mechanics and Structure of English

16 Lessons, 7 Quizzes, 1 Project, 1 Test

- Punctuation: Apostrophe, Quotation Marks, Parentheses/Hyphen, Comma
- Prepositions, Phrases, and Modifiers

Unit 7: The Hiding Place: A Study Guide

13 Lessons, 3 Projects, 6 Quizzes, 1 Test

- Author's Purpose/Models of Writing
- Use of Flashback, Foreshadowing, Character Development, and Suspense in Writing

Unit 8: Nonfiction and Communication

8 Lessons, 1 Project, 6 Quizzes, 1 Test

- Reading Helen Keller and The Apple Tree Switch
- Review of Listening, Note-Taking, Summarizing Concepts
- Communication with Gestures

Unit 9: Writing and Pronunciation

14 Lessons, 4 Projects, 6 Quizzes, 1 Test

- Sentence Types: Declarative, Interrogative, Imperative, Exclamatory
- Sentence Fragments
- Comma Splice/Run-on Sentences

- Paragraph Development: Topic Sentence
- Paragraph Unity
- Word Pronunciation and Nonsense Words
- Nonsense Poetry: Limericks

Unit 10: Review

17 Lessons, 1 Project, 6 Quizzes, 1 Test

- Verb Agreement and Confusion
- Reflexive and Demonstrative Pronouns: Pronoun-Antecedent Agreement
- Prepositions and Phrases
- Sentence Mechanics
- Communication: Listening, Speaking, Writing, Reading Skills

Course Focal Components

Reading Comprehension Skills

- Analyzing Characters
- Determining Author's Purpose—Reading for Entertainment and Reading for Information
- Identifying Main Ideas and Supporting Details
- Reaching Logical Conclusions
- Reading Nonfiction
- Reading Poetry
- Determining Reading Rate

Composition

- Character Analysis
- Character Sketch
- Essay Structure—Five Paragraph Essay
- Paragraph Elements—Topic
- Paragraph Organization—Sequence, Unity, and Format
- Paragraph Structure—Transitional, Inductive, and Deductive
- Speculative Writing
- Summarizing
- Writing a Biography
- Writing and Listening
- Writing on Morality and Feelings
- Writing Poetry—Limerick
- Writing on Poetry
- Writing a Report

Grammar and Usage

- Adjectives
- Kinds of Sentences—Declarative, Interrogative, Imperative, and Exclamatory
- Levels of Language Use—Standard, Nonstandard, Formal, and Informal
- Nouns—Common Nouns, Proper Nouns, and Direct Objects
- Pronouns—Nominative, Objective, Possessive, Reflexive, Demonstrative, and Archaic
- Punctuation—Apostrophes, Quotation Marks, Hyphens, and Parentheses
- Sentence Structure
 - Coordination
 - Errors in Construction—Fragments, Comma Splices, and Run-ons
 - Patterns
 - Prepositions and Prepositional Phrases
 - Subjects and Predicates

- Verbs—Tense, Irregular, Descriptive, and Auxiliary

Literature Studies

Drama—Definition

Fiction—Definition

Nonfiction

Definition

Elements—Setting, Characterization, Mood, and Purpose

Genre/Type—Autobiography and Biography

- Keller, Helen. *The Story of My Life* (excerpt).
- Ten Boom, Corrie. *The Hiding Place*.

Literary Device—Flashback and Foreshadowing

Poetry

- Elements—Rhyme and Meter
- Genre/Type—Limerick and Nonsense Verse
 - Carroll, Lewis. “Jabberwocky.”
 - Lear, Edward.
 - ❖ “The Owl and the Pussycat.”
 - ❖ Various Limericks.
- Literary Device—Alliteration

Speaking and Listening

- Gestures
- Listening Strategies
- Speaking Strategies
- Types of Listening—Passive, Purposeful, Critical, Appreciative, and Conversational
- Voice—Pitch, Accent, Pause, and Intonation

Spelling

Contractions

Homonyms

Hyphenated-Words

Roots and Affixes

Word Endings

Vocabulary

Alphabetizing

Capitalization

Etymology

Word Relationships—Synonyms, Antonyms, and Homonyms

Word Structure—Roots and Affixes

Word Study—Feeling Words and Signal Words

Special Topics

- English Variations—Dialects
- Reference Materials—Encyclopedia and Internet
- Research Skills
- Study Skills—Note-Taking and Summarizing

Mathematics: 7th Grade

Course Overview

Math 7 continues students' mathematical growth by bridging numerical literacy with algebra skills. In it, students will gain experience with number theory and operations and learn how to evaluate formulas. This course also integrates geometric concepts and skills throughout the units as well as introduces students to statistical and probability concepts. In addition, the course teaches pre-algebraic skills and techniques, from simple equation solving to the formal study of logic and set notation. 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, fractions, and decimals.
- Understand Venn diagrams and set notation.
- Convert between fractions, decimals, and percents.
- Solve problems with ratios and proportions.
- Calculate the perimeters and areas of parallelograms, hexagons, triangles, and circles.
- Solve problems related to measurement in metric and customary systems.
- Plot ordered pairs on a coordinate grid.
- Solve simple equations and evaluate formulas.
- Represent data on statistical charts, including picture, bar, line, and circle graphs.
- Calculate probabilities and make predictions.

There are 121 lessons, 31 quizzes, and 10 tests divided among 10 total units of instruction.

Course Sequence

Unit 1: Sets and Number Systems

14 Lessons, 2 Quizzes, 1 Test

- Venn Diagrams
- Sets—Special Symbols
- Sets—Types and Uses
- Sets—Intersection and Union
- Number Systems—Ancient, Base 10, Base 5, Base 2, and Base 16

Unit 2: Place Value

9 Lessons, 2 Quizzes, 1 Test

- Expanded and Exponential Form
- Addition and Subtraction
- Decimals—Addition and Subtraction
- Decimals—Applications

Unit 3: Whole Numbers

10 Lessons, 2 Quizzes, 1 Test

- Number Order
- Number Sentences, Patterns, and Ordered Pairs
- Rounding Numbers and Estimation
- Word Problems

- Calculator Exercises

Unit 4: Multiplication and Division

11 Lessons, 2 Quizzes, 1 Test

- Properties, Rules, Patterns, and Estimation
- Multiplication
- Functions
- Division
- Number Patterns, Function Rules, and Word Problems
- English System of Weights and Measures
- Calculator Exercises

Unit 5: Fraction Addition and Subtraction

26 Lessons, 5 Quizzes, 1 Test

- Factors and Prime Factorization
- Greatest Common Factors and Least Common Multiples
- Proper Fractions
- Improper Fractions
- Number Line, Mixed Numbers, and Order of Size
- Decimals
- Fractions as Decimals
- Percents
- Fractions in Ratios and Proportions
- Decimals in Metric Measurement
- Terminating and Repeating Decimals
- Decimals with Calculators
- Like Denominators
- Adding/Subtracting and Reducing
- Mixed Numbers
- Applications
- Least Common Denominators
- Equivalent Fractions
- Operations
- Unlike Denominators
- Adding and Subtracting Fractions
- Applications

Unit 6: Fraction Multiplication and Division

12 Lessons, 3 Quizzes, 1 Test

- Common Fractions—Multiplication
- Common Fractions—Common Factors
- Common Fractions—Mixed Numbers
- Common Fractions—Improper Fractions
- Common Fractions—Division
- Common Fractions—Word Problems
- Decimals—Introduction
- Decimals—Multiplication and Division
- Decimals—Word Problems
- Percentages—Introduction
- Percentages—Rate and Base

Unit 7: Geometry

11 Lessons, 5 Quizzes, 1 Test

- Segments, Lines, and Angles
- Triangles—Measurement
- Quadrilaterals—Squares and Rectangles
- Parallelograms, Trapezoids, and Formulas
- Circles
- Hexagons
- Geometric Ratios—Fractions in Ratios and Proportions
- Similar Figures and Scale Drawings

Unit 8: Statistics and Graphs

6 Lessons, 3 Quizzes, 1 Test

- Gathering and Organizing Data
- Mean, Median, Mode, and Range
- Types of Graphs
- Graphs of Points

Unit 9: Formulas, Functions, Ratios, and Proportions

8 Lessons, 3 Quizzes, 1 Test

- Formulas—Area, Distance, and Price
- Formulas—from Interest to Miles Per Gallon
- Using a Function Machine
- Equations—Defining and Solving
- Isolating the Variable
- Solving Word Problems
- Ratios and Proportions

Unit 10: Math in Sports Themed Review

13 Lessons, 2 Quizzes, 1 Test

- Place Names, Order, and Rounding
- Ratios and Proportions
- Word Problems
- Geometric Figures
- Sets and Number Systems
- Factorization
- Fractions
- Base, Rate, and Percentage
- Formulas
- Statistics and Graphs

Science: 7th Grade General Science I

Course Overview

Science 7 is a basic intermediate course intended to expose students to the designs and patterns in God's physical universe. This course expands on the Science 600 course, providing a set of basic scientific skills and a broad survey of the major areas of science, including the life, earth, and space 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 knowledge of the different tools and methods used in science.
- Calculate and convert units in the metric system.
- Discuss historical and current views on astronomy.
- Describe the atmosphere and the weather around the Earth.
- Demonstrate a basic knowledge of the different systems in the human body.

There are 61 lessons, 13 lab projects, 33 quizzes, and 10 tests divided among 10 total units of instruction.

Course Sequence

Unit 1: What Is Science?

7 Lessons, 1 Experiment/Project, 4 Quizzes, 1 Test

- Tools of a Scientist
- Methods of a Scientist
- Work of a Scientist
- Careers in Science

Unit 2: Perceiving Things

7 Lessons, 1 Experiment/Project, 2 Quizzes, 1 Test

- History of the Metric System
- Metric Units
- Advantages of the Metric System
- Graphing Data

Unit 3: Earth in Space I

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

- Ancient Stargazing
- Geocentric Theory
- Copernicus
- Tools of Astronomy

Unit 4: Earth in Space II

6 Lessons, 1 Experiment/Project, 4 Quizzes, 1 Test

- Solar Energy
- Planets of the Sun
- The Moon
- Eclipses

Unit 5: The Atmosphere

4 Lessons, 1 Experiment/Project, 3 Quizzes, 1 Test

- Layers of the Atmosphere
- Solar Effects
- Natural Cycles
- Protecting the Atmosphere

Unit 6: Weather

6 Lessons, 1 Experiment/Project, 3 Quizzes, 1 Test

- Elements of Weather
- Air Masses and Clouds
- Fronts and Storms
- Weather Forecasting

Unit 7: Climate

4 Lessons, 1 Experiment/Project, 3 Quizzes, 1 Test

- Climate and Weather
- Worldwide Climate
- Regional Climate
- Local Climate

Unit 8: Human Anatomy I

5 Lessons, 2 Experiments/Projects, 3 Quizzes, 1 Test

- Cell Structure and Function
- Skeletal and Muscle Systems
- Skin
- The Nervous System

Unit 9: Human Anatomy II

6 Lessons, 1 Experiment/Project, 4 Quizzes, 1 Test

- The Respiratory System
- The Circulatory System
- The Digestive System
- The Endocrine System

Unit 10: Review

11 Lessons, 1 Experiment/Project, 4 Quizzes, 1 Test

- Review of Scientific Principles
- Review of the Solar System
- Review of the Earth and Its Weather
- Review of the Systems in Plants, Animals, and Humans

History and Geography: 7TH Grade

Course Overview

History and Geography seventh 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. The course surveys the social sciences, covering history, geography, anthropology, sociology, economics, and political science. These areas of focus target all five major content strands: History, Geography, Government and Citizenship, Economics, and Social Studies Skills. Additionally, students will practice report-writing, covering topics like topographies of home states, underdeveloped nations, modern political issues, and more.

Learner Objectives

Upon completion of the course, students:

- Understand the historical method.
- Understand the world in spatial terms (according to latitude and longitude, maps, time zones, and Daylight Saving Time).
- Locate and describe different topographical features of the world, such as plains, mountainous regions, rivers, and valleys.
- Locate and describe U.S. regions made up of various groups of states, such as the Northeast and the Midwest.
- Understand the meaning, methods, and goals of anthropology.
- Understand the meaning, methods, and goals of sociology.
- Understand the anthropology and sociology of the United States, especially of Native Americans.
- Know the characteristics of major economic systems—free enterprise and socialism—and the role that government plays in each one.
- Know how to manage money wisely, using a budget.
- Understand and describe contributions made to the area of political science by various political thinkers.
- Understand the structure and functions of American government and economics at the state level.

There are 75 lessons, 8 projects, 29 quizzes, and 10 tests divided among 10 total units of instruction.

Course Sequence

Unit 1: What Is History?

7 Lessons, 3 Quizzes, 1 Test

- The Definition of History
- The Significance of History
- The Historical Method

Unit 2: What Is Geography?

9 Lessons, 3 Quizzes, 1 Test

- Classes of Geography

- The Relief of the Earth

Unit 3: The United States

7 Lessons, 1 Project, 3 Quizzes, 1 Test

- Geography of the United States by Region
- Culture of the United States by Region

Unit 4: Anthropology—The Study of Mankind

8 Lessons, 3 Quizzes, 1 Test

- History of Anthropology
- Goals of Anthropologists
- Methods of Anthropology
- Anthropology of Specific Groups

Unit 5: Sociology—Man in Groups

5 Lessons, 2 Quizzes, 1 Test

- History of Sociology
- Goals of Sociologists
- Methods of Sociology
- Sociology of Specific Groups

Unit 6: Anthropology and Sociology of the United States

8 Lessons, 1 Project, 3 Quizzes, 1 Test

- Native Americans
- Sociology and Culture Groups from Other Lands
- Cultural and Social Interaction

Unit 7: Economics—Resources and Needs

6 Lessons, 2 Projects, 3 Quizzes, 1 Test

- Types of Economic Systems
- Types of Economic Resources
- Methods and Tools of the Economist

Unit 8: Political Science

6 Lessons, 3 Projects, 3 Quizzes, 1 Test

- History of Political Science
- Methods of Political Science
- Goals of Political Science

Unit 9: Economics and Politics of a State

7 Lessons, 1 Project, 3 Quizzes, 1 Test

- Branches of State Government
- State Finances
- Political Party Systems
- Communism

Unit 10: Social Sciences Review

12 Lessons, 3 Quizzes, 1 Test

- The Meaning of History and the Historical Method
- Geography of the Earth
- Geography and Early History of the United States

- The Disciplines of Anthropology and Sociology
- The Disciplines of Economics and Politics
- Economics and Politics of a State