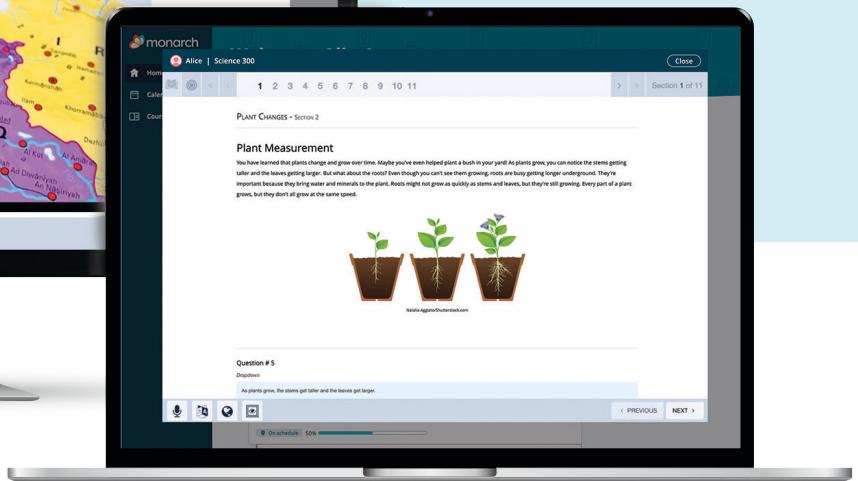
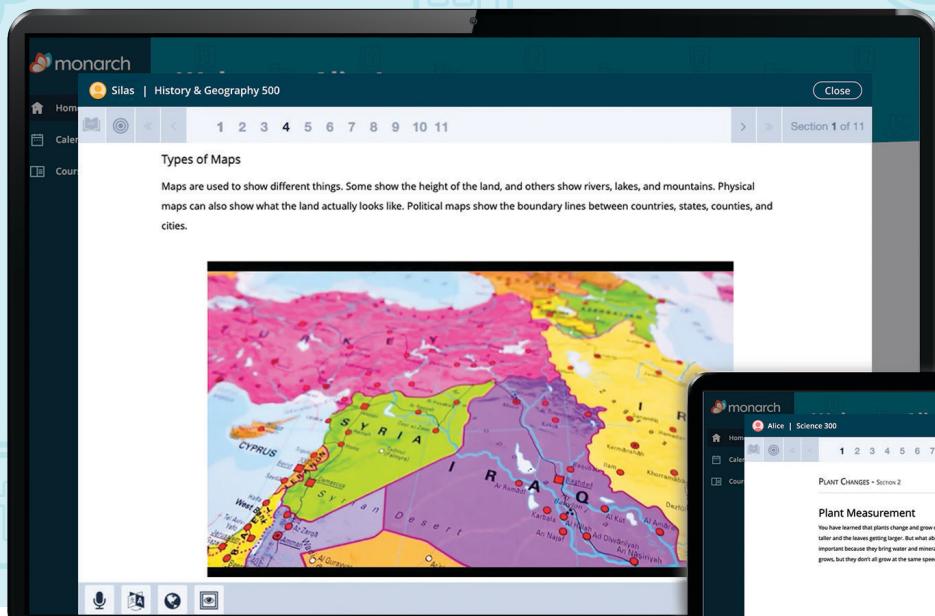




monarch

BY AOP



Scope & Sequence

Contents



Scope & Sequence

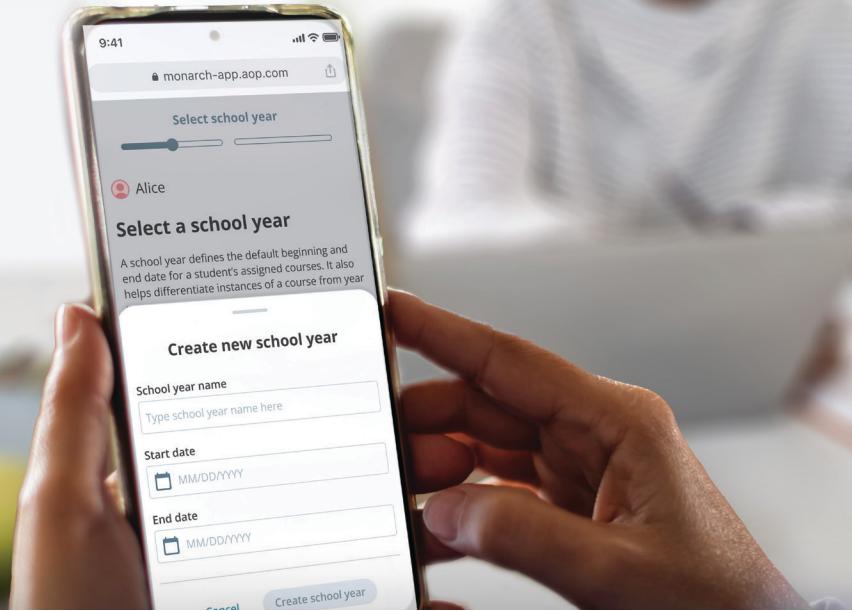
Monarch Overview	3
Bible	4
History & Geography	6
Language Arts.....	8
Math...	10
Science	12
Electives.....	14

**AOP is committed to regular curriculum review and updates,
so be sure to check AOP.com for new courses and other updates.**



AOP
804 N. 2nd Ave. E., Rock Rapids, IA 51246-1759
© MMXXV AOP. All rights reserved.

All trademarks referenced in this material are the property of their respective owners.
AOP makes no claim of ownership to any trademarks other than their own and makes no claim
of affiliation to any other companies whose trademarks may be listed in this material.



Simply Log in and Begin!

Enjoy anytime access to a well-rounded education with Monarch online courses for grades 3-12 from AOP. With interactive lessons, automatic grading, and plans that grant you the freedom to hand-pick the perfect combination of courses to match your student's learning level, Monarch is the simplest way to help your child succeed.

Why Parents and Students Love Monarch



Assign Courses Across Grade Levels

Create a custom courseload even across grade levels with 50 core courses and 60+ electives.



Automatic Grading and Instant Feedback

Take back your day and keep your student motivated with about 85% of all student work automatically graded.



Customizable Calendar

Imagine a schedule that adjusts to your needs, not the other way around. Plus, new calendar edits will automatically adjust the future schedule.



Completely Online

Save time and stay connected wherever life takes you. Simply log in and begin without any installation.



Media-rich Lessons

Watch your child stay focused and engaged in interactive, multimedia-supported courses designed for academic and spiritual growth.



3rd Grade

Introduction to the Bible	
MON300B	3rd Grade Bible
Unit 1	You Can Use the Bible
Unit 2	The Life of Jesus Christ
Unit 3	Joseph & God's Big Plan
Unit 4	Living for God
Unit 5	God Takes Care of His People
Unit 6	The Bible Is the Word of God
Unit 7	Archaeology & the Bible
Unit 8	God Gave Us the Need for Friends
Unit 9	God Wants Man to Help Man
Unit 10	Review

4th Grade

Christian Discipleship	
MON400B	4th Grade Bible
Unit 1	How Can I Live for God?
Unit 2	God's Knowledge
Unit 3	Saul Begins to Live for God
Unit 4	The Bible & Me
Unit 5	God Cares for Us
Unit 6	How Can I Know God Exists?
Unit 7	Geography of the Old Testament
Unit 8	God-Given Worth
Unit 9	Witnessing for Jesus
Unit 10	God's Way Is Perfect

5th Grade

Christian Basics I	
MON500B	5th Grade Bible
Unit 1	How Others Lived for God
Unit 2	Angels
Unit 3	The Presence of God
Unit 4	Bible Methods & Structure
Unit 5	The Christian in the World
Unit 6	Proving What We Believe
Unit 7	Paul's Missionary Journeys
Unit 8	God Created Man for Eternity
Unit 9	Authority & Law
Unit 10	Review

9th Grade New Course

New Testament Survey I & II	
MON900B1	New Testament Survey I
Unit 1	Background of the New Testament
Unit 2	Intro to the Gospels & the Gospel According to Mark
Unit 3	The Gospel According to Matthew
Unit 4	The Gospel According to Luke
Unit 5	The Gospel According to John
MON900B2	New Testament Survey II
Unit 1	The Acts of the Apostles
Unit 2	The Letters Of Paul: Part I
Unit 3	The Letters Of Paul: Part II
Unit 4	The General Epistles
Unit 5	Revelation and Beyond

BIBLE

MONARCH BIBLE explores scripture from Genesis to Revelation.

An in-depth academic study of the Old and New Testaments, lessons cover biblical history and key figures, biblical doctrine, and applications to daily living. Through engaging lessons, students develop faith, wisdom, and a strong foundation in God's Word.



6th Grade

Bible Survey	
MON600B	6th Grade Bible
Unit 1	From Creation to Moses
Unit 2	From Joshua to Ruth
Unit 3	The Kingdom of Israel
Unit 4	The Divided Kingdom
Unit 5	Captivity & Restoration
Unit 6	The Life of Jesus
Unit 7	The Followers of Jesus
Unit 8	The Apostle Paul
Unit 9	Hebrews & the General Epistles
Unit 10	Revelation & Review

7th Grade Newly Updated

Christian Basics II & Life of Christ	
MON700B	7th Grade Bible
Unit 1	Patriarchs and Promises
Unit 2	God of the Nomads
Unit 3	A Faithful God in an Unfaithful World
Unit 4	Wise Men and a Wiser God
Unit 5	Prophets, Poets, and What They Reveal
Unit 6	The World into which Jesus was Born
Unit 7	The Teaching of Jesus
Unit 8	The Miracles of Jesus
Unit 9	The Dead and Resurrection of Jesus
Unit 10	The Claims of Jesus

8th Grade Newly Updated

Practical Christianity & Church History	
MON800B	8th Grade Bible
Unit 1	The Attributes of God
Unit 2	Sin and Salvation
Unit 3	Communication with God
Unit 4	Early Church History
Unit 5	The Church's Mission
Unit 6	The Early Church
Unit 7	The Later Church
Unit 8	The Way of Wisdom
Unit 9	The Family
Unit 10	The Search for Identity, Belonging and Purpose

10th Grade New Course

Old Testament Survey I & II	
MONI000B1	Old Testament Survey I
Unit 1	Creation to Abraham
Unit 2	The Patriarchs
Unit 3	The Exodus
Unit 4	The Law and the Wilderness
Unit 5	The Conquest of Canaan
MONI000B2	Old Testament Survey II
Unit 1	The Monarchy of Saul
Unit 2	The Monarchies of David and Solomon
Unit 3	Poetry and Wisdom
Unit 4	The Divided Kingdom
Unit 5	Exile and Restoration

11th Grade New Course

Christian Faith & Living Today	
MONII00B	Christian Faith & Living Today
Unit 1	Who Am I?
Unit 2	Spiritual Disciplines
Unit 3	The Christian Citizen
Unit 4	Overcoming Obstacles
Unit 5	Moving Forward
Unit 6	Semester Review & Final

12th Grade New Course

Christian Theology	
MONI200B	Christian Theology
Unit 1	God's Revelation
Unit 2	God's Identity
Unit 3	God's Engagement
Unit 4	God's Provision
Unit 5	God's Victory



HISTORY & GEOGRAPHY

MONARCH HISTORY &

GEOGRAPHY provides an in-depth study of God's activity as seen through historical events, global cultures, political systems, and geographic landscapes. From ancient civilizations to modern nations, lessons cover U.S. and world history, governments and economics, culture and geography, and global citizenship.

3rd Grade

U.S. Geography & History

MON300H **3rd Grade History & Geography**

Unit 1	Geography
Unit 2	New England States
Unit 3	Mid-Atlantic States
Unit 4	Southern Atlantic States
Unit 5	Southern States
Unit 6	Great Lakes States
Unit 7	Midwestern States
Unit 8	Mountain States
Unit 9	Pacific States
Unit 10	Review



4th Grade

World Geography	
MON400H	4th Grade History & Geography
Unit 1	Our Earth
Unit 2	Seaport Cities
Unit 3	Desert Lands
Unit 4	Grasslands
Unit 5	Tropical Rainforests
Unit 6	The Polar Regions
Unit 7	Mountain Countries
Unit 8	Living in Island Countries
Unit 9	North America
Unit 10	Our World in Review

5th Grade

History of the Western Hemisphere	
MON500H	5th Grade History & Geography
Unit 1	Exploring the New World
Unit 2	Colonial American Life
Unit 3	Thirteen Colonies Become a New Nation
Unit 4	New Lands & Troubled Times
Unit 5	The United States Becomes a World Leader
Unit 6	United by Transportation & Communication
Unit 7	The U.S.: One Nation with Many Regions
Unit 8	Our Southern Neighbors
Unit 9	Canada: Our Northern Neighbor
Unit 10	Review

6th Grade

World History & Culture	
MON600H	6th Grade History & Geography
Unit 1	World Geography
Unit 2	The Cradle of Civilization
Unit 3	The Civilizations of Greece & Rome
Unit 4	Life in the Middle Ages
Unit 5	Western Europe
Unit 6	Eastern Europe
Unit 7	Africa
Unit 8	Six South American Countries
Unit 9	Seven South American Countries
Unit 10	Development of Our World

7th Grade

Social Science Survey	
MON700H	7th Grade History & Geography
Unit 1	What Is History?
Unit 2	What Is Geography?
Unit 3	The United States
Unit 4	Anthropology: The Study of Mankind
Unit 5	Sociology: Man in Groups
Unit 6	Anthropology & Sociology of the U.S.
Unit 7	Economics: Resources & Needs
Unit 8	Political Science
Unit 9	Economics & Politics of a State
Unit 10	Social Sciences Review

8th Grade

U.S. History	
MON800H	8th Grade History & Geography
Unit 1	European Backgrounds
Unit 2	The Colonization of America
Unit 3	War for Independence
Unit 4	The Emergence of a Nation
Unit 5	The Westward Movement
Unit 6	The Civil War
Unit 7	The Industrial Nation
Unit 8	Twentieth Century World Power
Unit 9	The United States in a Changing World
Unit 10	American History Review

9th Grade

World Geography	
MON900H	World Geography
Unit 1	Introduction to Geography
Unit 2	Human Geography
Unit 3	North America
Unit 4	Central America, South America, & the Caribbean
Unit 5	Oceania, Australasia, & Antarctica
Unit 6	Semester Review & Exam
Unit 7	Western Europe
Unit 8	Eastern Europe & Russia
Unit 9	Sub-Saharan Africa
Unit 10	North Africa & Southwest Asia
Unit 11	Central, South, East, & Southeast Asia
Unit 12	Semester Review & Exam
Unit 13	Final Exam

10th Grade

World History	
MON1000H	World History
Unit 1	Ancient Civilizations I
Unit 2	Ancient Civilizations II
Unit 3	The Medieval World
Unit 4	Renaissance & Reformation
Unit 5	Growth of World Empires
Unit 6	The Age of Revolution
Unit 7	The Industrial Revolution
Unit 8	Two World Wars
Unit 9	The Contemporary World
Unit 10	Ancient Times to the Present

11th Grade

American History	
MON1100H	American History
Unit 1	Early Settlement of North America
Unit 2	Development of Constitutional Government
Unit 3	National Expansion
Unit 4	A Nation Divided
Unit 5	A Nation Divided & United
Unit 6	United States Involvement at Home & Abroad
Unit 7	The Search for Peace
Unit 8	A Nation at War
Unit 9	Contemporary America
Unit 10	United States History Review

12th Grade

Government & Economics	
MON1200H	Government & Economics
Unit 1	International Governments
Unit 2	United States Government
Unit 3	The American Party System
Unit 4	History of Governments
Unit 5	The Christian & His Government
Unit 6	Free Enterprise
Unit 7	Business & You
Unit 8	The Stock Market
Unit 9	Budget & Finance
Unit 10	Banking
Unit 11	International Issues



LANGUAGE ARTS

MONARCH LANGUAGE ARTS courses begin with early literacy and progress through fiction and non-fiction expository reading and writing. Lessons develop reading, writing, speaking, and listening skills through an integrated approach. Students gain enhanced language mastery through the morphological study of words, learning their history and parts, and enhanced communication skills through grammar and sentence diagramming. Students are engaged and inspired as they interact with different literary forms, including Christian literature.

3rd Grade

Reading & Sentence Building

MON300L	3rd Grade Language Arts
Unit 1	Vowels, Main Idea, & Capitalization
Unit 2	Sentences, Capitalization, & ABC Order
Unit 3	Dictionary Skills, Word Parts, & Vocabulary
Unit 4	Parts of Speech, Irregular Vowels, & Comprehension
Unit 5	Reading to Understand, Commas, & Silent Letters
Unit 6	Cause & Effect, Homographs, & Haiku Poetry
Unit 7	Following Directions, Suffixes, Pronouns, & Friendly Letters
Unit 8	Reading a Play, Comparing with Adjectives, & Root Words
Unit 9	Classifying, References, Thank-You Letters, & Predicting Outcomes
Unit 10	Review



4th Grade

Word Study, Grammar Skills, & Composition	
MON400L	4th Grade Language Arts
Unit 1	Reading & Writing
Unit 2	Reading for Meaning
Unit 3	Word Play
Unit 4	Words in Season
Unit 5	Reading & Writing Stories
Unit 6	Rhymes & Reports
Unit 7	Forms of Literature
Unit 8	Language in Literature
Unit 9	Reading & Researching
Unit 10	Review

5th Grade

Literature, Poetry, & Reports	
MON500L	5th Grade Language Arts
Unit 1	Jesus, Our Example
Unit 2	Working with Information
Unit 3	The Story of Our Language
Unit 4	Effective Communication
Unit 5	Reading & Writing Stories
Unit 6	Poetry
Unit 7	Reading Comprehension
Unit 8	Working with Words
Unit 9	Reading & Study Skills
Unit 10	Review

6th Grade

Reading for a Purpose: Sentences & Poetry	
MON600L	6th Grade Language Arts
Unit 1	Elements of Grammar
Unit 2	Grammar Usage
Unit 3	Reading Skills
Unit 4	Writing Skills
Unit 5	Newspapers & Propaganda
Unit 6	Literary Forms
Unit 7	Reading for a Purpose
Unit 8	Poetry
Unit 9	Bible Literature
Unit 10	Review

7th Grade

Composition & Literature	
MON700L	7th Grade Language Arts*
Unit 1	Nouns, Pronouns, Affixes, & Using Words Correctly
Unit 2	Usage; Speaking & Listening; Verb Tenses
Unit 3	Biographies & Grammar (Affixes)
Unit 4	Structure of Written & Spoken Language
Unit 5	The English Language
Unit 6	Mechanics & Structure of English
Unit 7	The Hiding Place: A Study Guide
Unit 8	Nonfiction & Communication
Unit 9	Writing & Pronunciation
Unit 10	Review

*The Hiding Place is a required reader sold separately.

10th Grade

English II	
MON1000L	English II*
Unit 1	Language Structure
Unit 2	Writing Effective Sentences
Unit 3	Conducting Effective Research
Unit 4	Writing & Reading Skills
Unit 5	Speaking & Listening
Unit 6	The Development of English
Unit 7	The Short Story
Unit 8	Studies in the Novel
Unit 9	Drama
Unit 10	Poetry

*In His Steps is included as a PDF in unit 7.

8th Grade

Speaking & Writing Skills	
MON800L	8th Grade Language Arts
Unit 1	Communication
Unit 2	Development & Usage of English
Unit 3	Punctuation & Literature
Unit 4	Words & How to Use Them
Unit 5	Correct Language Usage
Unit 6	Language & Literature
Unit 7	Critical Reading & Paragraph Skills
Unit 8	Writing, Listening, & Reading
Unit 9	The English Language
Unit 10	Review

9th Grade

English I	
MON900L	English I*
Unit 1	The Structure of Language
Unit 2	Words & Writing Paragraphs
Unit 3	Essay Writing & Research
Unit 4	The Nature of Language
Unit 5	Short Stories
Unit 6	Structure & Meaning in Prose & Poetry
Unit 7	Communication
Unit 8	Drama
Unit 9	Studies in the Novel
Unit 10	Review

*The Miracle Worker is a required reader sold separately. Twenty Thousand Leagues under the Sea is included as a PDF in unit 9.

11th Grade

English III	
MON1100L	English III*
Unit 1	Learning and Using Standard English
Unit 2	Sentence Elements
Unit 3	Clear Connections: A Writing Workshop
Unit 4	Meaning & Main Ideas
Unit 5	Poetry
Unit 6	Nonfiction
Unit 7	American Drama
Unit 8	The American Novel
Unit 9	Research
Unit 10	Review

*Our Town & To Kill a Mockingbird are required readers sold separately.

12th Grade

English IV	
MON1200L	English IV
Unit 1	The Worth of Words
Unit 2	The Structure of Language
Unit 3	Reading & Research
Unit 4	Language: God's Gift to Man
Unit 5	Medieval English Literature
Unit 6	Elizabethan Literature
Unit 7	17th-18th Century English Literature
Unit 8	Romantic & Victorian Poetry
Unit 9	Creative Writing
Unit 10	Review

*Hamlet is included as a PDF in unit 6.

MATH

MONARCH MATH provides comprehensive instruction in the major content strands of number skills, geometry, algebra, data analysis, and probability. Beginning with foundational numeracy and arithmetic skills, progressive lessons provide real-life application, develop logic and reasoning, and prepare students for advancement into higher mathematics.

3rd Grade

Whole Numbers & Fractions	
MON300M	3rd Grade Math
Unit 1	Whole Numbers
Unit 2	Number Patterns
Unit 3	Whole Numbers & Fractions
Unit 4	Place Value
Unit 5	Measurement, Shapes, & Review
Unit 6	Multiplication, Addition, & Subtraction
Unit 7	Operations, Likelihood, & Probability
Unit 8	Measurement, Fractions, & Decimals
Unit 9	Review: Multiple Concepts
Unit 10	Basic Math Review

4th Grade

Fractions & Division	
MON400M	4th Grade Math
Unit 1	Number Sense & Place Value
Unit 2	Rounding & Estimation
Unit 3	Whole Numbers & Fractions
Unit 4	Lines & Shapes
Unit 5	Division & Measurement
Unit 6	Multiplication & Fractions
Unit 7	Fractions & Patterns
Unit 8	Division & Fractions
Unit 9	Decimals & Fractions
Unit 10	Graphing & Review

8th Grade

Pre-Algebra	
MON800M	Pre-Algebra
Unit 1	The Real Number System
Unit 2	Modeling Problems in Integers
Unit 3	Modeling Problems with Rational Numbers
Unit 4	Proportional Reasoning
Unit 5	More with Functions
Unit 6	Measurement
Unit 7	Plane Geometry
Unit 8	Measures of Solid Figures
Unit 9	Data Analysis
Unit 10	Probability
Unit 11	Course Review & Exam

9th Grade

Algebra I	
MON900M	Algebra I
Unit 1	Foundations of Algebra
Unit 2	Linear Equations
Unit 3	Functions
Unit 4	Inequalities
Unit 5	Linear Systems
Unit 6	Polynomials
Unit 7	Exponential & Radical Functions
Unit 8	Quadratics
Unit 9	Rational Expressions
Unit 10	Probability & Statistics
Unit 11	Final Exam



5th Grade

Numerical Literacy & Geometric Concepts	
MON500M	5th Grade Math
Unit 1	Place Value, Addition, & Subtraction
Unit 2	Multiplying Whole Numbers & Decimals
Unit 3	Dividing Whole Numbers & Decimals
Unit 4	Algebra & Graphing
Unit 5	Measurement
Unit 6	Factors & Fractions
Unit 7	Fraction Operations
Unit 8	Data Analysis & Probability
Unit 9	Geometry
Unit 10	Perimeter, Area, & Volume
Unit 11	Course Review & Exam

6th Grade

Fractions, Decimals, & Measurements	
MON600M	6th Grade Math
Unit 1	Whole Numbers & Algebra
Unit 2	Data Analysis
Unit 3	Decimals
Unit 4	Fractions
Unit 5	Fraction Operations
Unit 6	Ratio, Proportion, & Percent
Unit 7	Probability & Geometry
Unit 8	Geometry & Measurement
Unit 9	Integers & Transformations
Unit 10	Equations & Functions
Unit 11	Course Review & Exam

7th Grade

Integers, Ratios, & Basic Geometry	
MON700M	7th Grade Math
Unit 1	Integers
Unit 2	Fractions
Unit 3	Decimals
Unit 4	Patterns & Equations
Unit 5	Ratios & Proportions
Unit 6	Probability & Graphing
Unit 7	Data Analysis
Unit 8	Geometry
Unit 9	Measurement & Area
Unit 10	Surface Area & Volume
Unit 11	Course Review & Exam

10th Grade

Geometry	
MON1000M	Geometry
Unit 1	Introduction
Unit 2	Logic
Unit 3	Angles & Parallels
Unit 4	Congruent Triangles & Quadrilaterals
Unit 5	Similar Polygons
Unit 6	Semester I Review & Exam
Unit 7	Circles
Unit 8	Area & Volume
Unit 9	Coordinate Geometry
Unit 10	Transformations
Unit 11	Review
Unit 12	Semester II Review & Exam
Unit 13	Final Exam

11th Grade

Algebra II	
MON1100M	Algebra II
Unit 1	Set, Structure, & Function
Unit 2	Numbers, Sentences, & Problems
Unit 3	Linear Equations & Inequalities
Unit 4	Polynomials
Unit 5	Algebraic Fractions
Unit 6	Semester I Review & Exam
Unit 7	Real Numbers
Unit 8	Quadratic Relations & Systems
Unit 9	Exponential Functions
Unit 10	Counting Principles
Unit 11	Review
Unit 12	Semester II Review & Exam
Unit 13	Final Exam

12th Grade

Pre-Calculus	
MON1200M	Pre-Calculus
Unit 1	Relations & Functions
Unit 2	Functions
Unit 3	Trigonometric Functions
Unit 4	Circular Functions & Their Graphs
Unit 5	Identities & Functions of Multiple Angles
Unit 6	Semester I Review & Exam
Unit 7	Application of Trigonometric Functions
Unit 8	Inverse Trigonometric Functions & Polar Coordinates
Unit 9	Quadratic Equations
Unit 10	Counting Principles
Unit 11	Calculus & Review
Unit 12	Semester II Review & Exam
Unit 13	Final Exam



SCIENCE

MONARCH SCIENCE explores God's universe from the microscopic to the cosmic. Students develop critical thinking through hands-on exploration and experimentation in lessons on living organisms, habitats, and systems, scientific inquiry and experimentation methods, matter and energy principles, and earth and space studies.

3rd Grade Newly Updated

Plants & Animals / Energy	
MON3005	3rd Grade Science
Unit 1	God's Creation of the Universe
Unit 2	Rocks, Minerals, and Fossils
Unit 3	The Wonders of Water
Unit 4	Animals and Their Needs
Unit 5	Animals and Their Needs
Unit 6	Ecosystems
Unit 7	Simple Machines
Unit 8	Force and Motion
Unit 9	Weather and Climate
Unit 10	Review



4th Grade

Changes in Matter, the Solar System, & Earth	
MON400S	4th Grade Science
Unit 1	Plants
Unit 2	Animals
Unit 3	Man & His Environment
Unit 4	Machines
Unit 5	Electricity & Magnetism
Unit 6	Water & Matter
Unit 7	Weather
Unit 8	Our Solar System & the Universe
Unit 9	The Planet Earth
Unit 10	Understanding God's Wonderful Creation

5th Grade

Life Cycles: Balance in Nature	
MON500S	5th Grade Science
Unit 1	Cells
Unit 2	Plants: Life Cycles
Unit 3	Animals: Life Cycles
Unit 4	Balance in Nature
Unit 5	Transformation of Energy
Unit 6	Records in the Rock: The Flood
Unit 7	Records in the Rock: Fossils
Unit 8	Records in Rock: Geology
Unit 9	Exploring Matter
Unit 10	Review

6th Grade

Plants & Animal Behavior / Molecular Genetics	
MON600S	6th Grade Science
Unit 1	Plant Physiology
Unit 2	Anatomy
Unit 3	Plant & Animal Behavior
Unit 4	Genetics
Unit 5	Chemistry
Unit 6	Physics: Light & Sound
Unit 7	Physics: Motion
Unit 8	The Solar System
Unit 9	Astronomy
Unit 10	Review

7th Grade

General Science I	
MON700S	General Science I
Unit 1	What Is Science?
Unit 2	Perceiving Things
Unit 3	Earth in Space (Part 1)
Unit 4	Earth in Space (Part 2)
Unit 5	The Atmosphere
Unit 6	Weather
Unit 7	Climate
Unit 8	The Human Anatomy (Part 1)
Unit 9	The Human Anatomy (Part 2)
Unit 10	Working in Science

8th Grade

General Science II	
MON800S	General Science II
Unit 1	Science & Society
Unit 2	Structure of Matter - Part 1
Unit 3	Structure of Matter - Part 2
Unit 4	Health & Nutrition
Unit 5	Energy - Part 1
Unit 6	Energy - Part 2
Unit 7	Machines - Part 1
Unit 8	Machines - Part 2
Unit 9	Balance in Nature
Unit 10	Science & Technology

9th Grade

Integrated Physics & Chemistry	
MON900S	Integrated Physics & Chemistry
Unit 1	Explorations in Physical Science
Unit 2	The Structure of Matter
Unit 3	Matter & Change
Unit 4	States of Matter
Unit 5	Motion & Forces
Unit 6	Semester Review & Exam
Unit 7	Work & Energy
Unit 8	Heat Flow
Unit 9	Electricity & Magnetism
Unit 10	Waves
Unit 11	Chemistry & Physics in Our World
Unit 12	Semester Review & Exam
Unit 13	Final Exam

10th Grade

Biology	
MON1000S	Biology
Unit 1	Taxonomy: Key to Organization
Unit 2	Chemistry of Life
Unit 3	Cells
Unit 4	Cell Division & Reproduction
Unit 5	Genetics: God's Plan of Inheritance
Unit 6	Microbiology
Unit 7	Plants: Green Factories
Unit 8	Human Anatomy & Physiology
Unit 9	Ecology, Pollution, & Energy
Unit 10	Principles & Applications of Biology

11th Grade

Chemistry	
MON1100S	Chemistry
Unit 1	Measurement & Analysis
Unit 2	Starting the Investigation: How to Identify Elements, Compounds, & Mixtures
Unit 3	Exploring Laws for Gases & Conservation of Mass
Unit 4	The Discovery of Atoms: Nature's Building Blocks
Unit 5	Molecular Structure
Unit 6	Semester Review & Test
Unit 7	Chemical Reactions, Rates & Equilibrium
Unit 8	Equilibrium Systems
Unit 9	Carbon Chemistry: Hydrocarbons
Unit 10	Carbon Chemistry: Functional Groups
Unit 11	Chemistry Review
Unit 12	Semester Review & Test
Unit 13	Final Exam

12th Grade

Physics	
MON1200S	Physics
Unit 1	Kinematics
Unit 2	Dynamics
Unit 3	Work & Energy
Unit 4	Introduction to Waves
Unit 5	Light
Unit 6	Semester Review & Exam
Unit 7	Static Electricity
Unit 8	Electric Currents
Unit 9	Magnetism
Unit 10	Atomic & Nuclear Physics
Unit 11	Review
Unit 12	Semester Review & Exam
Unit 13	Final Exam



ELECTIVES

MONARCH ELECTIVES allow students to explore subjects that pique their interest, deepen their knowledge, and create a more well-rounded education. Available for students in grades 4–12, Monarch electives offer a concentrated focus in specific disciplines. Choose from subjects that include world languages, history, literature, math, science, geography, health, civics, career courses, and more.

60+
Electives
Available!



Arts	Career & Technical Education (Continued)	Home Living	Math	Science	World Languages
Studio Art New Course	Introduction to Network Systems	Family & Consumer Science	Consumer Math	Earth Science	French I
Business	Introduction to Careers in Transportation, Distribution, & Logistics	Foundations for Living: Studies in the Christian Worldview	Essentials of Math	General Science III	French II
ACT Test Prep	Introduction to Consumer Services	Health Quest	Personal Financial Literacy		Spanish I
College Planner	Introduction to Information Technology	High School Health Newly Updated	Probability and Statistics A		Spanish II
	Introduction to Information Technology Support & Services	Physical Education	Probability and Statistics B		Spanish III
	Keyboarding & Applications	Physical Fitness	Trigonometry		
Career & Technical Education	National Security Careers				
A/V Technology & Film Careers	Network System Design				
Banking Services Careers	New Applications: Web Development in the 21st Century				
Business Law	Nursing: Unlimited Possibilities and Unlimited Potential				
Career Explorations I	Principles of Coding				
Career Explorations II	Small Business Entrepreneurship				
Career Management	Teaching & Training Careers				
Careers in Allied Health	Technology and Business				
Careers in Logistics Planning & Management Services					
Careers in Manufacturing Processes					
Careers in Marketing Research					
Construction Careers					
Engineering & Design					
Engineering & Innovation					
Engineering & Product Development					
Essentials of Business					
Fundamentals of Computer Systems					
Fundamentals of Digital Media					
Introduction to Careers in Architecture & Construction					
Introduction to Careers in Education & Training					
Introduction to Careers in Finance					
Introduction to Careers in Government & Public Administration					
Introduction to Careers in Marketing					



804 N. 2nd Ave. E.
Rock Rapids, IA 51246-1759
800-622-3070
aop.com

AR8235 - 9780740337338



9 780740 337338