

# SCOPE & SEQUENCE for SWITCHED-ON SCHOOLHOUSE CURRICULUM INTRODUCTION

## UNDERSTANDING THE UNIT TITLES

Each subject is divided into 10 numbered units per grade level. The three or four-digit number following the subject category (Language Arts, Mathematics, etc.) for each unit tells you the grade level and unit number. Digits in the thousands and hundreds places represent the grade level; digits in the tens and units places represent the unit number.

For example:

## SCIENCE 1108

|          |             |        |             |   |
|----------|-------------|--------|-------------|---|
|          |             |        |             | \ |
| General  | 11th        | Unit 8 | (out of 10) |   |
| Category | Grade       |        |             |   |
|          | (Chemistry) |        |             |   |

## SCIENCE EXPERIMENTS

The science experiments use materials that are affordable and obtainable to most families. For the school's convenience, and for an additional fee a complete kit can be purchased for each course containing the materials needed for the experiments in that course.

## SPECIAL PROJECTS

These are openings in the curriculum for any projects that may be assigned by the teacher for learning enrichment. For instance, the teacher may assign a visit to and a report on an appropriate museum exhibit as a special project to go along with a history or geography unit.

# Switched-On Schoolhouse Subjects

## BIBLE

|                                 |             |      |
|---------------------------------|-------------|------|
| Bible 9 (New Testament Survey)  | 2 semester  | p. 4 |
| Bible 10 (Old Testament Survey) | 2 semesters | p. 6 |
| Bible 11 (Apologetics)          | 2 semesters | p. 7 |
| Bible 12 (Life Preparations)    | 2 semesters | p. 9 |

## HISTORY/GEOGRAPHY

|                                 |             |                  |
|---------------------------------|-------------|------------------|
| History/Geography 9             | 2 semesters | p. 12            |
| Hist./Geog. 10 (World. History) | 2 semesters | p. 14            |
| Hist./Geog. 11 (U.S. History)   | 2 semesters | p. 16            |
| Hist./Geog. 12 (Civics)         | 1 semester  | p. 18            |
| Hist./Geog. 12 (Consumer Econ.) | 1 semester  | p. 19            |
| State History                   | 1 semester. | p. 20            |
| U.S. Constitution               | 1 semester  | (no description) |

## LANGUAGE ARTS

|                  |             |       |
|------------------|-------------|-------|
| Language Arts 9  | 2 semesters | p. 21 |
| Language Arts 10 | 2 semesters | p. 23 |
| Language Arts 11 | 2 semesters | p. 25 |
| Language Arts 12 | 2 semesters | p. 28 |

## MATHEMATICS

|                        |             |   |
|------------------------|-------------|---|
| Math 9 (Algebra I)     | 2 semesters | p. 30   |
| Math 10 (Geometry)     | 2 semesters | p. 33   |
| Math 11 (Algebra II)   | 2 semesters | p. 35   |
| Math 12 (Pre-calculus) | 2 semesters | <i>(Geometry and Algebra II prerequisite)</i> p. 37 |
| Consumer Math          | 2 semesters | <i>(Algebra I and Geometry prerequisite)</i> p. 39  |

## SCIENCE

|                        |             |  |
|------------------------|-------------|--|
| Science 9              | 2 semesters | p. 42  |
| Physical Science       | 2 semesters | <i>(selected Science 8 &amp; 9 units)</i> (no description).          |
| Science 10 (Biology)   | 2 semesters | <i>(Algebra I co-requisite)</i> p. 44                                |
| Science 11 (Chemistry) | 2 semesters | <i>(Algebra I prerequisite)</i> p. 46                                |
| Science 12 (Physics)   | 2 semesters | <i>(Algebra I and Geometry prerequisite, Algebra II corequisite)</i> |

## FOREIGN LANGUAGE

|                   |             |  |
|-------------------|-------------|--|
| Secondary French  | 2 semesters | <i>(suitable for grades 7-12)</i> (no description) |
| Secondary Spanish | 2 semesters | <i>(suitable for grades 7-12)</i> (no description) |
| Spanish I         | 2 semesters | <i>(college prep only)</i> p. 50                   |
| Spanish II        | 2 semesters | <i>(college prep only)</i> p. 52                   |

## MISCELLANEOUS

|                        |             |       |
|------------------------|-------------|-------|
| College Planner        | 1 semester  | p. 54 |
| High School Health     | 1 semester  | p. 55 |
| Foundations for Living | 2 semesters |       |

## Bible 9

### Overview

Bible 900 focuses on a thorough survey of the New Testament from the Intertestamental period to the book of Revelation. The survey emphasizes the most important people, places, and events in the development and expansion of the Church. Bible 900 also includes material on Christian suffering, witnessing, and the will of God. The course content targets four major strands: theology, biblical literature, biblical background, and Christian growth.

Upon completion of the course, students should be able to:

- Understand the background of the New Testament
- Identify key people, places, and events in the New Testament
- Provide the setting and purpose for each New Testament book
- Understand the importance of the Church
- Identify the various apostles and their particular ministries
- Understand the biblical approach to suffering
- Tell others about the Gospel with more knowledge and confidence

### BIBLE 901—INTRODUCTION TO THE NEW TESTAMENT

- 1 Inter-Testamental Period
  - 2 Various Empires and Periods
  - 3 Religious Literature
  - 4 Religious Parties: Scribes and Sadducees
  - 5 Religious Parties: Pharisees
- Quiz 1
- 6 Historical Books
  - 7 Instructive Books: Pauline Epistles
  - 8 Instructive Books: General Epistles
  - 9 Prophetic Book
- Quiz 2
- 10 Birth to Baptism
  - 11 Temptation to Final Ministry
  - 12 Ministry of Opposition
  - 13 Arrest to Ascension
  - 14 Events in the Early Church
  - 15 Foreign Missions
  - 16 Events in Revelation
- Quiz 3  
Special Project B901A

TEST

ALTERNATE TEST

### BIBLE 902—THE GOSPELS

- 1 Matthew: The Writer
  - 2 Matthew: Background and Analysis
- Essay B902A-Matthew
- Quiz 1
- 3 Mark: The Writer
  - 4 Mark: Background and Analysis
- Quiz 2
- 5 Luke: The Writer
  - 6 Luke: Background and Analysis
- Quiz 3
- 7 John: The Writer
  - 8 John: Background and Analysis
- Essay B902B-Prophet,Priest,King
- Quiz 4  
Special Project B902C
- TEST  
ALTERNATE TEST

### BIBLE 903—THE ACTS OF THE APOSTLES

- 1 The Writer
  - 2 Viewpoint
- Quiz 1
- 3 Particular Purpose
  - 4 Historical Purpose: Jesus
  - 5 Holy Spirit and the Apostles
  - 6 Comprehensive Purpose
- Essay B903A-The Great Commission
- Quiz 2
- 7 Content: Pentecost
  - 8 Content: Home Missions
  - 9 Content: Foreign Missions
- Quiz 3  
Special Project B903B
- TEST  
ALTERNATE TEST

### BIBLE 904—THE PAULINE EPISTLES

- 1 Paul: Background
  - 2 Paul: The Apostle
  - 3 Paul: The Writer
- Essay B904A-Gospel
- Quiz 1
- 4 Early Epistles: Thessalonians and Corinthians
  - 5 Early Epistles: Romans and Galatians
- Quiz 2
- 6 Prison Epistles: Ephesians and Philippians
  - 7 Prison Epistles: Colossians and Philemon

Essay B904B-Parents  
Quiz 3  
8 Later Epistles: 1 Timothy and Titus  
9 Later Epistles: 2 Timothy  
Quiz 4  
1 James: Background  
2 James: The Disciple  
3 James: The Writer and Message  
Essay B905A-James  
Quiz 1  
4 1 and 2 Peter: Background  
5 1 and 2 Peter: The Apostle and Writer  
6 1 and 2 Peter: The Message  
Essay B905B-Peter  
Quiz 2  
7 1, 2, and 3 John: Background  
8 1, 2, and 3 John: The Apostle and Writer  
9 1, 2, and 3 John: The Message  
Quiz 3  
10 Hebrews  
11 Jude  
Quiz 4  
Memory Verse Quiz  
Special Project B905C  
TEST  
ALTERNATE TEST

**BIBLE 906—THE REVELATION OF JESUS CHRIST**

1 The Seven Churches: Ephesus and Smyrna  
2 Pergamos, Thyatira, and Sardis  
3 Philadelphia and Laodicea  
4 The Seven Seals: 1-4  
5 The Seven Seals: 5-7  
Quiz 1  
6 The Seven Trumpets  
7 The Seven Signs: 1-3  
8 The Seven Signs: 4-7 and the Seven Plagues  
Quiz 2  
9 The Seven Judgments  
10 The Seven Wonders  
Quiz 3  
Special Project B906A  
TEST  
ALTERNATE TEST

**BIBLE 907—BIBLICAL LITERATURE: JOB AND SUFFERING**

1 Opening Scenes  
2 Great Debate  
3 Closing Scenes  
Essay B907A-Friends

Special Project B904C  
TEST  
ALTERNATE TEST

**BIBLE 905—THE GENERAL EPISTLES**

Quiz 1  
4 The Term Suffer  
5 The World's Attitude  
6 The Christian's Attitude  
Quiz 2  
7 Sufferings of Christ: Life and Ministry  
8 Death and Resurrection  
9 Intercession and Consolation  
Essay B907B-Suffering  
Quiz 3  
Special Project B907C  
TEST  
ALTERNATE TEST

**BIBLE 908—HOW TO SHARE CHRIST WITH YOUR FRIENDS**

1 Personal Evangelism  
2 Directed by the Holy Spirit  
3 Followed by Continued Ministry  
Essay B908A-Witnessing  
Quiz 1  
4 Bible-Oriented Outreach  
5 Activity and Food-Oriented Outreach  
Quiz 2  
6 Personal or Family Projects  
7 Church/Denominational/Mission Projects  
Quiz 3  
Special Project B908B  
TEST  
ALTERNATE TEST

**BIBLE 909—GOD'S WILL FOR YOUR LIFE**

1 The Desire of the Heart  
2 The Word and Providence of God  
Quiz 1  
3 The Necessity for Goals  
4 The Types of Goals  
5 The Attainment of Goals  
Quiz 2  
6 The Giver of Gifts  
7 Evaluation of Gifts: Personal Appraisal  
8 The Lord's Leading and Other's Assessment  
9 The Use of Gifts  
Quiz 3  
Special Project B909A  
TEST  
ALTERNATE TEST

## **BIBLE 910—REVIEW**

- 1 The Empires
- 2 Literature and Parties
- 3 The Gospels
- 4 The Acts of the Apostles
- Quiz 1
- 5 Pauline Epistles: Early
- 6 Pauline Epistles: Prison
- 7 Pauline Epistles: Later
- 8 The General Epistles
- 9 Revelation
- Quiz 2
- 10 Suffering: Job
- 11 Suffering: Mankind and Christ
- 12 Sharing Christ with Your Friends
- 13 Knowing God's Will
- Essay B910A-Discipleship
- Quiz 3
- Memory Verse Quiz
- Special Project B910B
- TEST
- ALTERNATE TEST

## **Bible 10**

### **Overview**

Bible 10 focuses on a thorough survey of the Old Testament, from the creation of the world (Genesis) to the restoration of Israel and the ministry of its post-exilic prophets (Malachi). The survey emphasizes the most important people, places, and events in the development and decline of the nation of Israel. These areas target three content strands: theology, biblical literature, and biblical background.

Upon completion of the course, students should be able to:

- Identify the key people, places, and events of the Old Testament
- Provide the setting and purpose for each Old Testament book
- Identify the different eras in the history of Israel
- Appreciate the importance of the nation of Israel
- Describe the rise and fall of the kingdoms of Judah and Israel
- Identify the various prophets with the era in which they ministered

## **BIBLE 1001—CREATION TO ABRAHAM**

- 1 Overview of the Bible

- 2 Creation
- Quiz 1
- 3 Fall
- Essay B1001A-Temptation
- Essay B1001B-Promise
- 4 Cain and Abel
- Quiz 2
- 5 Flood
- Quiz 3
- 6 Nations
- Quiz 4
- Special Project B1001C
- TEST
- ALTERNATE TEST

## **BIBLE 1002—ABRAHAM THROUGH JOSEPH**

- 1 Abraham
- 2 Abraham: Call From God
- 3 Abraham: Egypt to the Covenant
- Quiz 1
- 4 Isaac
- Quiz 2
- 5 Jacob: Early Life/Flight to Haran
- Essay B1002A-Rebekah
- 6 Jacob: Return to Canaan
- Quiz 3
- 7 Joseph: In Canaan
- 8 Joseph: In Egypt
- Quiz 4
- Special Project B1002B
- TEST
- ALTERNATE TEST

## **BIBLE 1003—THE EXODUS AND THE WILDERNESS**

- 1 Exodus: Bondage in Egypt
- 2 Exodus: A Deliverer
- 3 Exodus: Deliverance from Bondage
- 4 Exodus: Law/ Tabernacle/ Priesthood
- Quiz 1
- 5 Leviticus: Chapters 1-16
- 6 Leviticus: Chapters 17-27
- Quiz 2
- 7 Numbers: Organization
- 8 Numbers: Journey and Sojourn
- Quiz 3
- 9 Deuteronomy
- Quiz 4
- Special Project B1003A
- TEST
- ALTERNATE TEST

## **BIBLE 1004—ISRAEL IN CANAAN**

- 1 Final Preparation

Essay B1004A-Spies  
2 Conquest of the Land  
Quiz 1  
3 Division of the Land (Part I)  
Essay B1004B-Research  
4 Division of the Land (Part II)  
Quiz 2  
5 Farewell and Death of Joshua  
Quiz 3  
Special Project B1004C  
TEST  
ALTERNATE TEST

**BIBLE 1005—THE JUDGES AND SPIRITUAL  
DECLINE**

1 The Book of Judges  
Quiz 1  
2 Othniel  
3 Ehud, Shamgar, and Deborah  
4 Gideon  
5 Tola, Jair, and Jephthah  
6 Ibzan, Elon, Abdon, and Samson  
Quiz 2  
7 Spiritual and Moral Decay  
Quiz 3  
8 The Story of Ruth  
Quiz 4  
Memory Verse Quiz  
Special Project B1005A  
TEST  
ALTERNATE TEST

**BIBLE 1006—THE KINGDOM**

1 The Ministry of Samuel  
2 The Selection of a King  
3 The Reign of Saul  
4 The Demise of Saul  
5 The Reign of David  
Quiz 1  
6 The Kingdom Under Solomon  
7 The Program of Solomon  
Quiz 2  
8 Job  
9 Psalms  
10 Proverbs  
11 Ecclesiastes/ Song of Solomon  
Quiz 3  
Special Project B1006A  
TEST  
ALTERNATE TEST

**BIBLE 1007—THE DIVIDED KINGDOM**

1 Jeroboam

2 Rehoboam, Abijah, Asa, Nadab and  
Successors  
Essay B1007A-Jeroboam and Rehoboam  
Quiz 1  
3 Elijah  
4 Ahab, Jehoshaphat, and Ahaziah  
5 Elijah and Elisha  
6 Elisha, Jehoram, Ahaziah, and Jehu  
Quiz 2  
7 From Jehu to Joash  
8 From Jehoahaz to the Assyrian Captivity  
Quiz 3  
9 Prophets: Obadiah and Joel  
10 Prophets: Jonah, Amos, and Hosea  
Quiz 4  
Special Project B1007B  
TEST  
ALTERNATE TEST

**BIBLE 1008—THE REMAINING KINGDOM**

1 Hezekiah: Revival and Reform  
2 Hezekiah: Deliverance to Recovery  
Quiz 1  
3 Manassah and Amon  
4 The Reforms of Josiah  
Quiz 2  
5 From Jehoahaz to the Exile  
Quiz 3  
6 Prophets: Isaiah  
7 Prophets: Micah and Nahum  
8 Prophets: Zephaniah, Habakkuk,

Jeremiah

Quiz 4  
Special Project B1008A  
TEST  
ALTERNATE TEST

**BIBLE 1009—THE CAPTIVITY**

1 Jeremiah: History  
2 Jeremiah: Ministry and Books  
Quiz 1  
3 Ezekiel: History and Ministry  
4 Ezekiel: The Book  
Quiz 2  
5 Daniel: History and Ministry  
6 Daniel: The Book  
Quiz 3  
Special Project B1009A  
TEST  
ALTERNATE TEST

**BIBLE 1010—THE RESTORATION**

1 First Return From Exile: Under  
Zerubbabel

2 The Rebuilding of the Temple  
 Quiz 1  
 3 The Preservation in Exile  
 Quiz 2  
 4 Second Return From Exile: Under Ezra  
 5 The Reforms in Jerusalem  
 Quiz 3  
 6 Third Return From Exile: Under Nehemiah  
 7 Rebuilding the Walls of Jerusalem  
 8 Registration, Revival, and Reform  
 Quiz 4  
 9 Prophets: Haggai  
 10 Prophets: Zechariah and Malachi  
 Quiz 5  
 Memory Verse Test  
 Special Project B1010A  
 TEST  
 ALTERNATE TEST

## Bible 11

### Overview

Bible 11 focuses on the faithfulness of God; the doctrine of Christ; the nation of Israel; the history and integrity of the Bible; the pursuit of happiness; and friendship, dating, and marriage. There is also a special emphasis on the book of Romans. These areas target four content strands: theology, the attributes of God, Christian growth, and Christian evidences.

Upon completion of the course, students should be able to:

- Explain the meaning of God's faithfulness to His people
- Identify the key themes to understanding the book of Romans
- Discuss the unique features of Christ's person and work
- Describe the development and role of the nation of Israel
- Describe the development of the Old and New Testaments into one book
- Identify the essential components of successful relationships
- Know how to avoid the failures of Solomon's pursuit of happiness
- Answer critics concerning the truthfulness of the Bible

### BIBLE 1101—THE FAITHFULNESS OF GOD

- 1 The Affirmation of God's Faithfulness
- 2 The Declaration of God's Faithfulness

Essay B1101A-God's Faithfulness  
 Quiz 1  
 3 The Nature of God's Faithfulness  
 4 The Contrasts to God's Faithfulness  
 Quiz 2  
 5 The Manifestations of God's Faithfulness  
 6 The Message of the Faithful Witness  
 7 The Work of the Faithful High Priest  
 Quiz 3  
 8 The Implications of God's Faithfulness  
 9 The Responsibility of Faithfulness  
 Quiz 4  
 Special Project B1101B  
 TEST  
 ALTERNATE TEST

### BIBLE 1102—ROMANS PART I

- 1 Roman Empire: Politics
- 2 Roman Empire: Population
- 3 The Roman Church
- 4 The Book of Romans  
 Quiz 1
- 5 Paul's Epistle to the Romans
- 6 State of Condemnation
- 7 State of Justification  
 Quiz 2
- 8 The Way According to Romans
- 9 Salvation  
 Quiz 3

Special Project B1102A  
 TEST  
 ALTERNATE TEST

### BIBLE 1103—ROMANS PART II

- 1 Children of Choice
- 2 Unrighteousness and the Gentiles  
 Quiz 1
- 3 Service
- 4 Submission
- 5 Conduct  
 Essay B1103A-Conduct  
 Quiz 2
- 6 From Sin to Salvation
- 7 From Salvation to Sanctification
- 8 From Glory to Glory  
 Quiz 3

Special Project B1103B  
 TEST  
 ALTERNATE TEST

### BIBLE 1104—THE DOCTRINE OF JESUS CHRIST

- 1 The Deity of Jesus
- 2 The Names of Jesus

3 The Incarnation of Jesus  
Quiz 1  
4 The Work of Jesus  
5 After the Cross  
Essay B1104A-Christ's Ministry  
Quiz 2  
Special Project B1104B  
TEST  
ALTERNATE TEST

**BIBLE 1105—THE NATION OF ISRAEL**

1 The Abrahamic Covenant  
2 God's Fulfillment (1)  
3 God's Fulfillment (2)  
Quiz 1  
4 The Significance of the Hebrew Nation  
(1)  
5 The Significance of the Hebrew Nation  
(2)  
6 Spiritual Significance  
Quiz 2  
7 The Archaeological Discoveries  
8 The Archaeological Discoveries (2)  
Quiz 3  
Memory Verse Quiz  
Special Project B1105A  
TEST  
ALTERNATE TEST

**BIBLE 1106 THE HISTORY OF THE CANON**

1 The Doctrine of the Bible  
2 Inspiration  
3 Authority  
4 Illumination and Interpretation  
Quiz 1  
5 The Formation of the Bible  
6 Formation of the Old Testament  
7 Formation of the New Testament  
Essay B1106A-Inspiration  
Quiz 2  
8 The Recognition of the Scriptures  
9 Canonicity of the New Testament  
Quiz 3  
Special Project B1106B  
TEST  
ALTERNATE TEST

**BIBLE 1107—FRIENDSHIP, DATING, AND MARRIAGE**

1 The Definition of Friendship  
2 The Possibility for Friendship  
3 The Responsibilities in Friendship  
Project B1107A-Interview  
Quiz 1

4 What is Dating?  
Project B1107B-Dating Definition  
5 The Challenges in Dating  
Quiz 2  
6 The Origin of Marriage  
7 What is Marriage?  
8 The Purpose and Structure of Marriage  
Quiz 3  
Special Project B1107C  
TEST  
ALTERNATE TEST

**BIBLE 1108—THE PURSUIT OF HAPPINESS**

1 Reversion  
2 Solomon's Sin  
Quiz 1  
3 Results (1)  
4 Results (2)  
5 God's Solution  
6 Recovery  
Quiz 2  
Special Project B1108A  
Test  
ALTERNATE TEST

**BIBLE 1109—APOLOGETICS**

1 Questions About the Integrity of the Bible  
2 Scientific Accuracy  
Quiz 1  
3 Questions About the Doctrines of the Bible  
4 Miracles  
5 Creation; Evil; Divine Silence  
6 Unevangelized People  
Essay B1109A-C.S. Lewis  
Quiz 2  
7 Interpretation and Application of the Bible  
8 Practice and Experience  
Quiz 3  
Special Project B1109B  
TEST  
ALTERNATE TEST

**BIBLE 1110—REVIEW**

1 The Means and Purpose of Revelation  
2 Preparation of the Revelation  
3 The Formation of the Bible  
4 Canonicity/ Findings of Archaeology  
Essay B1110A-Ebla Tablets  
Quiz 1  
5 The Book of Romans (Part 1)  
6 The Book of Romans (Part 2)

Quiz 2  
 7 The History of Israel (Part 1)  
 8 The History of Israel (Part 2)  
 Essay B1110B-Faithfulness  
 Quiz 3  
 9 The Revelation of God in the Bible  
 10 The Revelation of God's Righteousness  
 11 The Life of Christ  
 Quiz 4  
 12 Principles for Christian Living  
 13 Principles for Spiritual Maturity  
 Quiz 5  
 Special Project B1110C  
 TEST  
 ALTERNATE TEST

5 A Servant of God

Project B1201E-Inward Look  
 Project B1201F-Forward Look  
 9 What to Look for in Vocational Skills  
 Project B1201G-Work Values  
 Project B1201H-Motives  
 Project B1201I-Vocational Interests  
 Project B1201J-Vocational Skills  
 Quiz 3  
 Special Project B1201J  
 TEST  
 ALTERNATE TEST

## Bible 12

### Overview

Bible 1200 focuses on personal Christian ministry, the nature of God, comparative religions, and the writings of James, John, David, Solomon, and Daniel. These areas target three content strands: the attributes of God, Biblical literature, and Christian growth.

Upon completion of the course, students should be able to:

- Understand their unique identities as Christians
- Pursue the various opportunities to serve as Christians
- Explain the Christian view of the Trinity
- Identify the meaning of James' and John's letters
- Describe the contents of the book of Daniel
- Contrast Christianity with other religions of the world
- Use God's wisdom to solve problems among today's youth
- Identify the practical steps toward successful Christian living

### BIBLE 1201—KNOWING YOURSELF

1 Knowing What You Are: Your Creation  
 2 Your Unique Personality  
 3 Your Interaction with Others  
 Quiz 1  
 4 Knowing Who You Are: A Child of God  
 Project B1201A-Personal Testimony  
 Project B1201B-Memorize Scripture

### BIBLE 1202—KNOWING ABOUT CHRISTIAN MINISTRIES

1 What a Christian Ministry Is: Varieties  
 2 Meanings of a Ministry  
 Project B1202A-Ministers  
 Project B1202B-What is a Ministry?  
 Quiz 1  
 3 Church Related Ministries and Missions  
 Project B1202C-The Effect of Ministry  
 4 Christian Movements and Schools  
 5 Social Services, Media, and Support  
 Quiz 2  
 6 How Christian Ministry Relates to Career  
 Project B1202D-Career  
 Project B1202E-Witness  
 Quiz 3  
 Special Project B1202F  
 TEST  
 ALTERNATE TEST

### BIBLE 1203—MAKING YOUR CHOICE OF A CHRISTIAN MINISTRY

1 Gathering Information: Where to Look  
 Essay B1203A-Career Search  
 2 What to Look For  
 Project B1203B-Priorities  
 Quiz 1  
 3 Applying: Make Contacts/Write a Resume  
 Project B1203C-Applications  
 Project B1203D-Resume  
 Project B1203E-Cover Letter  
 4 Interviewing and Candidating  
 Quiz 2  
 5 Conclusion: Divine Guidance

Project B1203F-Prayer List  
Project B1203G-God's Will  
6 Career Decisions  
Project B1203H-Road Blocks  
Project B1203I-Decision Making (1)  
Project B1203J-Decision Making (2)  
Project B1203K-Decision Making (3)  
7 Career Planning  
Project B1203L-Backup  
Project B1203M-Timetable  
Quiz 3  
Special Project B1203N  
TEST  
ALTERNATE TEST

**BIBLE 1204—GODHEAD**

1 Old Testament View of the Godhead  
2 Names of God in the Old Testament  
Essay B1204A-Yahweh  
Project B1204B-Use of Names  
Quiz 1  
3 New Testament View of the Godhead  
Essay B1204C-Developing Revelation  
4 Godhead in John and in Paul's Epistles  
Essay B1204D-Paul's View  
Quiz 2  
5 Origin of the Doctrine of the Godhead  
Essay B1204E-Early Church Theologians  
Essay B1204F-Historical Development  
6 Development of Christian Creeds  
Essay B1204G-Three Arguments  
Quiz 3  
7 Christian Faith in the Godhead  
Quiz 4  
Special Project B1204H  
TEST  
ALTERNATE TEST

**BIBLE 1205—THE ATTRIBUTES OF GOD:  
HOLINESS AND GOODNESS**

1 The Holiness of God: His Holy Person  
2 God the Son and God the Holy Spirit  
Essay B1205A-Power of the Holy Spirit  
3 The Holiness of God: His Holy Place  
4 The Holiness of God: His Holy People  
Quiz 1  
5 The Goodness of God: In His Character  
6 God the Son and God the Holy Spirit  
Essay B1205B-Young Ruler  
7 The Goodness of God: In His Creation  
Project B1205C-Particular Blessings  
8 The Goodness of God: In the World and  
9 The Goodness of God: In His Salvation

Men

Project B1205D-Glory to God  
Quiz 2  
Special Project B1205E  
TEST  
ALTERNATE TEST

**BIBLE 1206—THE EPISTLES OF JAMES AND  
JOHN**

1 The Epistle of James: The Man  
2 The Authenticity  
3 The Message  
4 Faith VS Works  
Essay-Wisdom B1206A  
5 Prayer, Lust, Money, and Healing  
Quiz 1  
6 The Epistle of John: The Man  
7 The Authenticity  
8 First John  
9 Fellowship with God  
Essay-Healing Today B1206B  
10 Second John  
11 Third John  
Quiz 2  
Special Project B1206C  
TEST  
ALTERNATE TEST

**BIBLE 1207—BIBLICAL LITERATURE  
(DANIEL)**

1 Influence for God: Man of Conviction  
2 Daniel's Godly Purpose  
Essay-Fiery Furnace B1207A  
3 Interpreter of Dreams  
Report-Belshazzar B1207B  
4 Watchman of Prayer  
Quiz 1  
5 Visions From God: The Four Beasts  
6 The Ram and The He-Goat  
Project-Antiochus Epiphanes B1207C  
7 The Seventy Sevens  
Project-Interpretation B1207D  
8 The Mighty Kings  
Project-Daniel 11 B1207E  
Quiz 2  
Special Project  
TEST  
ALTERNATE TEST

**BIBLE 1208—COMPARATIVE RELIGIONS**

1 Christianity: Basic Elements  
2 The Validity of the Christian Faith  
Project B1208A-The Great Difference  
Quiz 1  
3 World Religions: Buddhism

Project B1208B-Buddhism  
4 Confucianism  
5 Hinduism  
Essay B1208C-Hinduism  
6 Islam  
7 Zoroastrianism  
Essay B1208D-Zoroastrianism  
Quiz 2  
8 The Occult: Spiritualism  
9 Psychic Phenomena and Astrology  
Essay B1208E-Daniel  
Quiz 3  
Special Project B1208F  
TEST  
ALTERNATE TEST

### **BIBLE 1209—WISDOM FOR TODAY'S YOUTH**

1 The Life of David (1)  
2 The Life of David (2)  
3 David's Character  
Essay B1209A-DAVID  
4 The Life of Solomon  
5 Solomon's Character  
Quiz 1  
6 Psalms and Proverbs: Cleanse, Comfort  
Essay B1209B- Cleansing  
7 God's Presence, Sovereignty, Guidance  
Project B1209C-Psalms 139  
Project B1209D-Tongue  
Quiz 2  
8 Literary Styles in the Bible  
9 Prefigurations in the Bible  
10 Problem Solving in the Bible  
Quiz 3  
Special Project B1209E  
TEST  
ALTERNATE TEST

### **BIBLE 1210—PRACTICAL CHRISTIAN LIVING**

1 The Nature and Holiness of God  
2 Word, Salvation, Defense of the Faith  
Essay B1210A-Salvation  
Quiz 1  
3 Spiritual Gifts  
Project B1210B-Spiritual Gifts  
4 Personality  
Project B1210C-Temptations  
5 Christlike Character and Conduct  
Essay B1210D-Moral Dilemma  
6 Spiritual Development and Prayer  
Project B1210E-Trials/Tribulations  
7 Scripture Study

Quiz 2  
8 Life Work and Ministry  
9 Values  
10 Spoken Testimony  
Project B1210F-Personal Testimony  
11 Debate and Apologetics  
Quiz 3  
Special Project B1210G  
TEST  
ALTERNATE TEST

## **History and Geography 9**

### **Overview**

History and Geography 900 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 focuses on American life, with an emphasis on government and citizenship. Additionally, the course covers ancient civilizations, personal responsibility, and global geography, with special emphasis on the regions of the world. These areas of focus target four major content strands: History, Geography, Government and Citizenship, and Social Studies Skills.

Upon completion of the course, students should be able to:

- understand the rise of early civilizations in Mesopotamia and Egypt
- understand the usages of various geographic tools, including different types of maps, charts, and graphs
- locate and describe different regions of the world, such as climactic regions and political regions
- understand how conflict between the American colonies and Great Britain led to American independence
- understand how annexation and acquisition of land led to the growth of the United States
- understand the social and cultural impact and contributions of immigrant groups and individuals on American society after 1880
- understand the structure and functions of American government at the federal, state, and local levels
- understand the overall design, as well as specific features, of the U.S. Constitution
- understand the role of the citizen in American democracy
- understand their personal responsibilities not only to God's world but also to their own futures, and knowing how to apply this understanding

**HISTORY AND GEOGRAPHY 901—THE EARTH AND MAN**

- 1 The Earth is Man's Home
- 2 Man Covers the Earth
- Quiz 1
- 3 The Earth is Developed by Man (Part 1)
- Essay H901A Civilizations
- 4 The Earth is Developed by Man (Part 2)
- Quiz 2
- Special Project H901B
- TEST
- ALTERNATE TEST

**HISTORY AND GEOGRAPHY 902—THE TOOLS OF THE GEOGRAPHER**

- 1 The Earth in Model Form-The Globe
- Project H902A Great Circle
- Project H902B Sunlight
- 2 The Halves of the Earth
- Quiz 1
- 3 The Earth in Picture Form-The Map
- Project H902C Maps
- 4 Types of Maps
- Quiz 2
- 5 The Earth in Symbol Form-Graphs and Charts
- Quiz 3
- Special Project H902D
- TEST
- ALTERNATE TEST

**HISTORY AND GEOGRAPHY 903—REGIONS OF THE WORLD**

- 1 Region: A Definition
- Quiz 1
- 2 World Regional Patterns (Part 1)
- 3 World Regional Patterns (Part 2)
- 4 Climatic Regions
- 5 The Far East
- Quiz 2
- 6 Political Regions
- Essay H903A A New Nation Formed
- 7 Economic Regions
- Quiz 3
- Special Project H903B
- TEST
- ALTERNATE TEST

**HISTORY AND GEOGRAPHY 904—THE HERITAGE OF THE UNITED STATES**

- 1 Historical and Political Backgrounds
- 2 Major Conflicts

- 3 Acquisitions and Annexations
- 4 Independence and Political Parties
- Essay H904A-Research Activity
- Quiz 1
- 5 Freedom Backgrounds
- Essay H904B-Bill of Rights
- Quiz 2
- 6 Background and Changes of Our Society
- Quiz 3
- Special Project H904C
- TEST
- ALTERNATE TEST

**HISTORY AND GEOGRAPHY 905—OUR NATIONAL GOVERNMENT**

- 1 The Ideals of our National Government
- Quiz 1
- 2 Development of Our National Government
- 3 Articles of Confederation
- 4 The Constitution of the United States
- Quiz 2
- 5 The Legislative Branch: Congress
- 6 The Duties and Powers of Congress
- Essay H905A-Senators and Representatives
- Essay H905B-Write a Letter
- Quiz 3
- 7 The Executive Branch: President
- 8 The Vice President, Cabinet, and Executives
- Quiz 4
- 9 The Judicial Branch
- Quiz 5
- Special Project H905C
- TEST
- ALTERNATE TEST

**HISTORY AND GEOGRAPHY 906—STATE AND LOCAL GOVERNMENT**

- 1 State Government in a Democracy
- 2 State Government: Executive and Legislative
- 3 State Government: Judicial Branch
- 4 State Government: Other Executive Offices
- 5 State Government: Other Agencies
- 6 State Constitutions
- 7 Citizens' Rights and Responsibilities
- Report H906A-State Executive Office
- Quiz 1
- 8 County and Township Government
- 9 Responsibilities to the State
- 10 County and Township Governmental Duties

Quiz 2  
11 City Governments  
12 Our Changing Cities  
Quiz 3  
Special Project H906B  
TEST  
ALTERNATE TEST

### **HISTORY AND GEOGRAPHY 907— CITIZENSHIP**

1 Acquisition of Citizenship  
Essay H907A Citizenship  
Essay H907B Heavenly Citizenship  
Quiz 1  
2 Rights of Citizenship  
3 Procedural Rights  
Quiz 2  
4 Responsibilities of Citizenship  
Quiz 3  
Special Project H907C  
TEST  
ALTERNATE TEST

### **HISTORY AND GEOGRAPHY 908—MAN'S RESPONSIBILITY**

1 Responsibility to God's World (Part 1)  
2 Responsibility to God's World (Part 2)  
Quiz 1  
3 Responsibility to Society (Part 1)  
4 Responsibility to Society (Part 2)  
Quiz 2  
5 Responsibility to Ourselves (Part 1)  
Essay H908A Drug Abuse  
Essay H908B Food Additives  
6 Responsibility to Ourselves (Part 2)  
Essay H908C Smoking  
Quiz 3  
Special Project H908D  
TEST  
ALTERNATE TEST

### **HISTORY AND GEOGRAPHY 909— RESPONSIBILITY TO THE FUTURE: PLANNING A CAREER**

1 What a Career Is  
2 Your Choice of a Career  
3 God's Will Concerning a Career  
4 Career Areas  
Quiz 1  
5 What Career Preparation is Necessary  
6 Developing Christian Character  
7 Getting a Job  
Quiz 2  
Special Project H909A

Test  
ALTERNATE TEST

### **HISTORY AND GEOGRAPHY 910—MAN IN A CHANGING WORLD**

1 Development of the Earth (Part 1)  
2 Man Develops Civilization  
3 Development of the Earth (Part 2)  
4 Man Investigates the Earth  
Quiz 1  
5 Historical Background of the USA (Part  
1)  
6 Historical Background of the USA (Part  
2)  
Essay H910A Rev or Civil War  
7 Citizenship  
Quiz 2  
8 Commitment to the Future (Part 1)  
9 Social, Economic, and Political Changes  
Essay H910B Political Issue  
10 Man and His Social Environment  
11 Commitment to the Future (Part 2)  
Quiz 3  
Special Project H910C  
TEST  
ALTERNATE TEST

## **Hist/Geog. 10 — (World History)**

### **Overview**

History and Geography 1000 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 focuses on World History, with an emphasis on Western Europe. It spans from ancient civilizations to the end of the 20<sup>th</sup> century, highlighting early Christianity (through the Reformation) and the two World Wars. These areas of focus target three major content strands: History, Geography, and Social Studies Skills.

Upon completion of the course, students should be able to:

- understand Western civilization from its beginnings to the present day
- understand the significant political and economic transformations and significant cultural and scientific events in Europe during the Renaissance

- understand significant religious and societal issues from the Renaissance through the Reformation
- understand the significant social and political developments in Europe and America brought on by the English, American, and French Revolutions
- understand the effects of the Industrial Revolution
- analyze major historical and political events of the 20th century, including the two World Wars, the Cold War, and the Vietnam War

Additionally, students will gain practice in report-writing and story-writing, covering topics like the rise of Christianity, the U.S. Constitution, communism versus free enterprise, the United Nations, and more.

### **HISTORY AND GEOGRAPHY 1001— ANCIENT CIVILIZATIONS I**

- 1 Meaning of Civilization
  - 2 Origin of Man
  - 3 Fall of Man and Flood From God
  - 4 Origin of Civilization
  - 5 Origin of Nations
- Quiz 1
- 6 Early Egyptian Geography and History
  - 7 Early Egyptian Empire
  - 8 Early Egyptian Civilization
- Quiz 2
- 9 Babylonian and Assyrian Civilization
  - 10 Assyrian History
  - 11 Neo-Babylonian Empire
- Quiz 3
- 12 Persian Civilization
- Quiz 4  
Special Project H1001A  
TEST  
ALTERNATE TEST

### **HISTORY AND GEOGRAPHY 1002— ANCIENT CIVILIZATIONS II**

- 1 The Far East: India
  - 2 The Far East: China
- Quiz 1
- 3 Greece: Geography and History
  - 4 Greece: Dark Ages
  - 5 Greece: 550 B.C. - 405 B.C.
  - 6 Greece: 359 B.C. - 31 B.C.
  - 7 Greece: Culture
- Quiz 2
- 8 Rome: History and the Empire
  - 9 Rome: Christianity and Culture
- Quiz 3

Special Project H1002A  
TEST  
ALTERNATE TEST

### **HISTORY AND GEOGRAPHY 1003—THE MIEVEAL WORLD**

- 1 The Middle Ages: An Introduction
- Essay H1003A-Rise of Christianity
- Quiz 1
- 2 Early Middle Ages: Barbarian Invasions
  - 3 Early Middle Ages: East/Church/Invasions
- Quiz 2
- 4 Transition: Continent and New Invasions
  - 5 Transition: England/Church/Growth of Islam
- Quiz 3
- 6 High Middle Ages: Setting
  - 7 High Middle Ages: Monarchies and the Church
  - 8 High Middle Ages: Byzantine/World Powers
- Quiz 4  
Special Project H1003B  
TEST  
ALTERNATE TEST

### **HISTORY AND GEOGRAPHY 1004— RENAISSANCE AND REFORMATION**

- 1 Renaissance Government: France and England
  - 2 Renaissance Government: Italy and Spain
  - 3 Developments in Art
  - 4 Changes in Literature and Thought
  - 5 Advances in Science
- Quiz 1
- 6 Reformation: Wycliffe, Huss, and Luther
  - 7 Zwingli, Grebel, Calvin, and Knox
  - 8 England: Henry VIII and Edward VI
  - 9 England: Mary I and Elizabeth I
  - 10 Reform Within the Catholic Church
  - 11 Wars of Religion
- Quiz 2  
Special Project H1004A  
TEST  
ALTERNATE TEST

### **HISTORY AND GEOGRAPHY 1005— GROWTH OF WORLD EMPIRES**

- 1 Absolutism in England
  - 2 Absolutism in France
- Report H1005A-Versailles
- 3 Mercantilism
- Quiz 1
- 4 Portugal

5 Spain  
Project H1005B-New World  
Quiz 2  
6 Austria, Germany, and Italy  
Essay H1005C-Prussia  
7 Ottoman Empire  
Quiz 3  
Special Project H1005D  
TEST  
ALTERNATE TEST

### **HISTORY AND GEOGRAPHY 1006—THE AGE OF REVOLUTION**

1 English Revolution: Divine Right(Cavaliers)  
2 English Revolution: Divine Right(Roundheads)  
3 English Revolution: People's Choice  
Quiz 1  
4 American Revolution: British Background  
Essay H1006A-Boston Tea Party  
5 American Revolution: American Frontier  
Essay H1006B-1770's Colonist  
Essay H1006C-Constitution  
Project H1006D-Chart the Revolt  
Quiz 2  
6 French Revolution: Old Regime  
Essay H1006E-Napoleon  
7 French Revolution: New Leadership  
Project H1006F-Napoleon and Modern Society  
Quiz 3  
Special Project H1006G  
TEST  
ALTERNATE TEST

### **HISTORY AND GEOGRAPHY 1007—THE INDUSTRIAL REVOLUTION**

1 England: Sparks of Preparation  
2 England: Fires of Continuation  
Quiz 1  
3 United States: Industrial Climate  
4 United States: Industrial Progress  
Essay H1007A-Industrial Revolution  
Quiz 2  
5 Social Changes: Negative Drawbacks  
6 Social Changes: Positive Contributions  
Essay H1007B-Communism or Free Enterprise  
Quiz 3  
Special Project H1007C  
TEST  
ALTERNATE TEST

### **HISTORY AND GEOGRAPHY 1008—TWO WORLD WARS**

1 World War I: Mounting Tensions  
2 World War I: Erupting Conflicts  
3 World War I: Counter-Aggression  
Quiz 1  
4 The Russian Revolution  
5 Peace Initiative  
6 Post-War Attitudes  
Essay H1008A-Comfort in the Depression  
7 Power Quests  
8 Military Aggression  
Quiz 2  
9 World War II: Battle Fronts  
Essay H1008B-Allied Strategy  
10 World War II: Battles in the Pacific  
11 Peace Efforts  
12 Unification  
Report H1008E-Unit Report  
Quiz 3  
Special Project-H1008F  
TEST  
ALTERNATE TEST

### **HISTORY AND GEOGRAPHY 1009—THE CONTEMPORARY WORLD**

1 Origins of the Cold War  
2 United Nations and the Marshall Plan  
Essay H1009A-The United Nations  
3 The Course of Cold War  
4 The Vietnam War and Invasions  
5 The End of the Cold War  
Essay H1009B-Cold War  
Quiz 1  
6 North America  
7 Central America/Caribbean/South America  
Essay H1009C-Central America  
8 Europe  
9 Africa  
10 Asia  
11 The Far East and Australia  
Quiz 2  
Special Project H1009C  
TEST  
ALTERNATE TEST

### **HISTORY AND GEOGRAPHY 1010—ANCIENT TIMES TO THE PRESENT**

1 Ancient Civilizations  
2 Greeks, Romans, and Other Ancient Cultures  
3 Medieval Times: Invasions and Feudalism

4 Medieval Culture and the Church  
 Quiz 1  
 5 Politics of the Renaissance  
 6 Art and Sciences of the Renaissance  
 7 The Reformation  
 8 Absolution  
 9 Exploration  
 Quiz 2  
 10 The Modern World-Revolutions  
 11 The Industrial Revolution  
 12 Wars  
 13 Current Events  
 Quiz 3  
 Special Project H1010A  
 TEST  
 ALTERNATE TEST

## **Hist./Geog 11 (U.S. History)**

History and Geography 1100 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 focuses on American History, covering American History from early exploration to the present day. It places special emphasis on the politics of the 18<sup>th</sup> and early 19<sup>th</sup> centuries and the Civil War. These areas of focus target three major content strands: History, Geography, and Government and Citizenship.

Upon completion of the course, students should be able to:

- understand how conflict between the American colonies and Great Britain led to American independence
- understand political, economic, and social changes that occurred in the United States during the 19th century, including changes resulting from the Industrial Revolution
- explain how political, economic, and social changes in the U.S. led to conflict among sections of the United States in the 19<sup>th</sup> century
- describe the causes and effects of the Civil War and its aftermath
- describe the causes and effects of both World Wars
- understand some of the key challenges facing American society in the late 20<sup>th</sup> and early 21<sup>st</sup> centuries

Additionally, students will gain practice in writing essays and reports, covering topics like the Monroe Doctrine, the states’ rights debate, the Lincoln-Douglas debates, isolationism, the New Deal, the Korean conflict, and more.

## **HISTORY AND GEOGRAPHY 1101— FOUNDATIONS OF THE AMERICAN REPUBLIC**

1 Revival of Trade and Commerce  
 2 New Ideas and Religious Changes  
 Quiz 1  
 3 Colonization Begins in the New World  
 Project H1101A-Jamestown  
 4 Puritan Background and Plymouth  
 Settlement  
 5 Puritan Migration/Settlement of New  
 England  
 Quiz 2  
 6 The Middle Colonies  
 7 The Southern Colonies  
 8 Growth of the Colonies  
 Essay H1101B-Republic  
 Quiz 3  
 Special Project H1101C  
 TEST  
 ALTERNATE TEST

## **HISTORY AND GEOGRAPHY 1102— DEVELOPMENT OF CONSTITUTIONAL GOVERNMENT**

1 Relations with England  
 2 French and Indian War  
 3 Colonial Resistance  
 Quiz 1  
 4 Second Continental Congress  
 5 Opposition and Aid  
 6 War in the South and West  
 Quiz 2  
 7 Birth of a Nation: Colonial Peace  
 8 Articles of Confederation  
 9 Constitution of the United States  
 Quiz 3  
 Special Project H1102A  
 TEST  
 ALTERNATE TEST

## **HISTORY AND GEOGRAPHY 1103— NATIONAL EXPANSION**

1 Federal Government  
 2 First Political Parties  
 Essay H1103A-Responsibilities  
 Quiz 1  
 3 The Revolution of 1800  
 4 The War of 1812  
 Quiz 2  
 5 Nationalism and the Monroe  
 Administration  
 Essay H1103B-Foreign Policy

6 Sectionalism and the Jackson Administration  
Essay H1103C-Missouri Compromise  
Quiz 3  
Special Project H1103D  
TEST  
ALTERNATE TEST

**HISTORY AND GEOGRAPHY 1104—A  
NATION DIVIDED**

1 The Emergence of Sectionalism  
Project H1104A-Biographies  
2 The Division of Land  
3 The Establishment of New Territory  
4 The Division of the People  
Essay H1104B-Lincoln/Douglas  
Quiz 1  
5 The Emergence of Slavery  
Essay H1104C-Free-born  
6 The Politics of Slavery  
Project H1104D-Escaped  
Report H1104E-Slave Codes  
Quiz 2  
Special Project H1104F  
TEST  
ALTERNATE TEST

**HISTORY AND GEOGRAPHY 1105—A  
NATION DIVIDED AND UNITED**

1 Regional Lifestyles: The East and West  
2 Regional Lifestyles: The South  
Quiz 1  
3 Civil War: Division and Antagonism  
Essay H1105A-The Trent Affair  
4 Civil War: Union Blockade and Hostilities  
5 Civil War: Final Phase  
Quiz 2  
6 Reconstruction  
Report H1105B-Reconstruction Scandals  
Quiz 3  
Special Project H1105C  
TEST  
ALTERNATE TEST

**HISTORY AND GEOGRAPHY 1106—UNITED  
STATES INVOLVEMENT AT HOME AND  
ABROAD**

1 U.S. Industry: Birth and Growth  
2 U.S. Industry: Economic Expansion  
Quiz 1  
3 Industrial Lifestyle: Trends  
4 Industrial Lifestyle: Labor Movement  
Quiz 2  
5 Foreign Policy: Isolationism

Essay H1106A-Seward  
6 Foreign Policy: International Realism  
Essay H1106B-Policy  
Quiz 3  
7 March Toward Conflict: Causes  
8 March Toward Conflict: Factions  
Quiz 4  
Special Project H1106C  
TEST  
ALTERNATE TEST

**HISTORY AND GEOGRAPHY 1107—THE  
SEARCH FOR PEACE**

1 The First Global Conflict  
2 A Plan For Peace  
Essay H1107A-A Just Peace  
Quiz 1  
3 The Golden Twenties  
Quiz 2  
4 The Great Depression  
Essay H1107B-Foreign Policy  
Quiz 3  
5 The New Deal  
Essay H1107C-New Deal  
Quiz 4  
Special Project H1107D  
TEST  
ALTERNATE TEST

**HISTORY AND GEOGRAPHY 1108—A  
NATION AT WAR**

1 World War II: Causes of the War  
2 World War II: Theaters of Operation  
Quiz 1  
3 Communist Threat: World Unrest  
4 Korean Conflict: Cold War Becomes Hot  
Project H1108A-Containment  
Quiz 2  
5 Vietnam: Fighting Communism in S.E.  
Asia  
6 Vietnam: Withdrawal by the United States  
Essay H1108B-Biography  
Quiz 3  
Special Project H1108C  
TEST  
ALTERNATE TEST

**HISTORY AND GEOGRAPHY 1109—  
CONTEMPORARY AMERICA**

1 America in the 1960's: Part 1  
Essay H1109A-Kennedy Assassination  
Essay H1109B-I Have a Dream  
2 America in the 1960's: Part 2  
3 The International Scene of the 1960's

Quiz 1

- 4 America in the 1970's: Part 1
- 5 America in the 1970's: Part 2
- 6 The International Scene of the 1970's

Quiz 2

- 7 America in the 1980's and 1990's: Part 1
- 8 America in the 1980's and 1990's: Part 2
- 9 America in the 1980's and 1990's: Part 3

Quiz 3

10 The International Scene - 1980-1995:

Part 1

11 The International Scene - 1980-1995:

Part 2

Quiz 4

Special Project H1109C

Test

ALTERNATE TEST

**HISTORY AND GEOGRAPHY 1110—UNITED STATES HISTORY REVIEW**

- 1 Basis of United States Democracy
- 2 Early Colonization

Quiz 1

- 3 Beginnings of United States Democracy
- 4 Second Continental Congress
- 5 Colonial Government

Quiz 2

- 6 United States of the 1800's
- 7 Jackson Era

Essay H1110A-Regional Lifestyles

Essay H1110B-Slavery Discussion

8 Civil War

9 Reconstruction of the South

Quiz 3

- 10 Industrialization of the United States

Essay H1110C-New Deal

11 World War I

Quiz 4

- 12 Current History of the United States

Essay H1110D-Vietnam War

13 Kennedy Administration

Essay H1110E-Kennedy

14 Carter Administration

Quiz 5

15 The 80's and 90's

Quiz 6

Special Project L1110E

TEST

ALTERNATE TEST

**Hist./Geog. 12A (Government)**

**Overview**

The course focuses on government, with special emphasis on American government. It targets three major content strands: History, Government, and Citizenship.

Upon completion of the course, students should be able to:

- have a basic understanding of various philosophies of government
- understand the structure and functions of government and how the principles and values of American democracy (e.g., limited government and popular sovereignty) are reflected in American constitutional government
- understand how the overall design, as well as specific features, of the U.S. Constitution prevent the abuse of power by using a system of checks and balances (e.g., federalism)
- understand the role of political parties, the media, and the public on the political process.

Additionally, students will gain practice in writing essays and reports, covering topics like elected officials, the Supreme Court, Christians in politics, and more.

**HISTORY AND GEOGRAPHY 1201—INTERNATIONAL GOVERNMENTS**

1 Why Have Governments?

2 Types of Governments

3 A List of Government Terms

Quiz 1

4 Presidential Governments

5 Parliamentary Governments

6 One Party and Multi-Party Governments

Quiz 2

7 Aquinas, Aristotle, and Engels

8 Machiavelli, Marx, and Milton

Essay H1201A-Governments

Quiz 3

Special Project H1201B

TEST

ALTERNATE TEST

**HISTORY AND GEOGRAPHY 1202—UNITED STATES GOVERNMENT**

1 United States Constitution

2 The Bill of Rights

3 States' Rights and Responsibilities

Quiz 1

4 Executive Branch

5 Judicial Branch

Project H1202A-Supreme Court

6 Legislative Branch  
Quiz 2  
7 How a Bill Becomes Law: Part 1  
8 How a Bill becomes Law: Part 2  
Quiz 3  
Special Project H1202B  
TEST  
ALTERNATE TEST

6 Can I Get Involved in Politics?  
7 The Good and the Bad of Propaganda  
Quiz 3  
Project H1205A-Christians and Government  
Special Project H1205B  
TEST  
ALTERNATE TEST

### **HISTORY AND GEOGRAPHY 1203—THE AMERICAN PARTY SYSTEM**

1 The American Party System  
2 Development of the Democratic Party  
3 Republican and Third Parties  
Project H1203A-The Party System  
Quiz 1  
4 How Do You Form a Political Party?  
5 Organization of a Political Party  
6 Nominations and Elections  
Quiz 2  
7 Making Voting More Effective  
8 Voting in Elections  
Quiz 3  
Special Project H1203B  
TEST  
ALTERNATE TEST

### **HISTORY AND GEOGRAPHY 1204—HISTORY OF GOVERNMENTS**

1 A Primitive Government Primer  
2 Beginning of Democracy: Ancient Greece  
3 Ancient Roman Government  
Quiz 1  
4 Feudalism  
Project H1204A-Feudalism Essay  
5 Theocracy  
6 Democracy  
Quiz 2  
7 Fascism  
8 Nazism  
Quiz 3  
Special Project H1204B  
TEST  
ALTERNATE TEST

### **HISTORY AND GEOGRAPHY 1205—THE CHRISTIAN AND HIS GOVERNMENT**

1 The Christian and Government  
2 Discrimination and the Christian  
3 Christian Attitudes in Society  
Quiz 1  
4 Christians and Public Opinion Polls  
5 The Christian and Media  
Quiz 2

## **History/Geography 12B (Consumer Economics)**

### **Overview**

The course focuses on economics, with special emphasis on personal finance.

Upon completion of the course, students should be able to:

- know the characteristics of different economic systems (e.g., capitalism, mixed economy, communism)
- understand basic terms associated with economic performance and the state of the economy (e.g., supply and demand, inflation, monopoly)
- know how to manage money wisely

Additionally, students will gain practice in writing essays and reports, covering topics like on-line banking, the euro, and more.

### **HISTORY AND GEOGRAPHY 1206—FREE ENTERPRISE**

1 Economics  
2 Economic Terms  
3 How Does an Economy Grow?  
Quiz 1  
4 World Financial Terms  
5 Unions and Organized Labor  
6 U.S. Money Use Through History  
Quiz 2  
7 International Finance and Reserves  
Project H1206A-The Euro  
8 U.S. Currency in History  
Quiz 3  
Special Project H1206B-Special Project  
TEST  
ALTERNATE TEST

### **HISTORY AND GEOGRAPHY 1207—BUSINESS AND YOU**

1 Problems of Business  
2 Caveat Emptor

3 Government and Business  
Quiz 1  
4 Federal Reserve System  
5 Monopolies  
Quiz 2  
6 Deregulation  
7 Bankruptcy  
Quiz 3  
Project H1207A-Business and You  
Special Project H1207B  
TEST  
ALTERNATE TEST

### **HISTORY AND GEOGRAPHY 1208—THE STOCK MARKET**

1 The Stock Market: How It Started  
2 The Stock Market: How It Works  
3 Selling, Buying, and Brokers  
Quiz 1  
4 Selecting Stocks  
5 What Causes the Stock Market to Crash?  
Quiz 2  
6 Types of Stocks  
7 Tracking Stocks in the Newspaper  
Quiz 3  
Project H1208A-Stock Market  
Special Project H1208B  
TEST  
ALTERNATE TEST

### **HISTORY AND GEOGRAPHY 1209—BUDGET AND FINANCE**

1 Your Personal Finances  
2 Spend Your Money Wisely  
3 Checking Accounts  
4 College Grants and Loans  
Quiz 1  
5 IRA Accounts  
6 Buying a Car  
7 Credit Cards  
Quiz 2  
Project H1209A-Personal Finance  
Special Project H1209B  
TEST  
ALTERNATE TEST

### **HISTORY AND GEOGRAPHY 1210—BANKING**

1 Deposit and Savings  
2 Bank Loans  
3 Using the ATM and E-Cash Cards  
Quiz 1  
4 Savings and Loans  
5 Credit Unions

6 Traveler's Checks  
Quiz 2  
Project H1210A-Banking  
Special Project H1210B  
TEST  
ALTERNATE TEST

### **HISTORY AND GEOGRAPHY 1211—INTERNATIONAL ISSUES**

1 World of the Euro  
2 Centers of International Finance  
Quiz 1  
3 The Global Traveler  
4 U.S. States and Capital Cities  
Quiz 2  
5 Close Trading Partners  
6 The Holy Land and Current Issues  
7 Christian Heroes and Their Lands  
Project H1211A-Geography  
Quiz 3  
Special Project H1211B  
TEST  
ALTERNATE TEST

## **State History**

. Each State History course focuses on a single state, using a topical approach and surveying the state's geography, history, culture, government, economy, and citizenship.

SOS presents each course either in a one-semester, five-unit format or a one-semester, one-unit format.

#### **Five-Unit Format**

The twenty-five states offered in the one-semester, five-unit format are:

**Alabama, Arkansas, Arizona, California, Colorado, Florida, Georgia, Illinois, Indiana, Kansas, Kentucky, Maryland, Michigan, Missouri, New York, North Carolina, Ohio, Oklahoma, Pennsylvania, South Carolina, Tennessee, Texas, Virginia, Washington, and Wisconsin**

Upon completion of a five-unit State History course, students should be able to:

- describe the geography of the state, including major landforms and waterways
- identify significant individuals from the state as well as their contributions to society
- understand the state’s involvement in the Civil War (if involved)
- understand the three main branches of the state government and the roles of each branch
- identify current political leaders from the state
- identify significant industries with a presence in the state
- understand how business and industry, tourism, and culture all contribute to the economic strength of the state
- understand the Christian heritage of the state, including identifying religious groups who have had a significant influence in the state
- understand the rights and responsibilities of citizenship in the state

Additionally, students will gain practice in report-writing, covering topics like state capitals, important state figures, trips through different states, Christian heritage in the states, and more.

## Language Arts 9

### Overview

Language Arts 900 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-** reinforces reading comprehension skills by teaching students how to understand and appreciate poetry, drama, informative nonfiction, and fiction; shows students how to analyze, evaluate, and interpret a text; reinforces awareness of the elements and structure of narrative prose; guides students through readings of William Gibson’s *The Miracle Worker*, Jules Verne’s *Twenty Thousand Leagues*

*Under the Sea*, and selections of and excerpts from well-known poetry, short stories, and plays.

- **Writing-** furthers students’ understanding of sentence structures, incorporating sentence diagramming skills; reviews parts of speech and their types, including in-depth studies on verbs (transitive, intransitive, conjugation, tense, voice, mood); develops students’ understanding of the types and functions of phrases and clauses; teaches language history and etymology to help students build on knowledge of word structures, including prefixes, roots, and suffixes; expands on students’ vocabulary skills; reviews spelling skills; gives students the opportunity to develop their abilities in writing speeches, short essays, poetry, friendly/business letters, and short stories.
- **Speaking-** offers students experience in delivering a speech; teaches skills that enable students to become effective speakers and communicators, weaving these skills throughout the course.
- **Listening-** teaches effective listening comprehension skills, weaving these throughout the lessons.
- **Special Topics-** incorporates research skills, including Internet, library, and reference material use, throughout the curriculum.

### LANGUAGE ARTS 901—THE STRUCTURE OF LANGUAGE

- 1 Introduction; Types of nouns
  - 2 Plural Nouns (1)
  - 3 Plural Nouns (2)
  - 4 Plural Nouns (3)
  - 5 Plural Nouns (4)
  - 6 Possessive Nouns
  - 7 Adjectives
  - 8 Adjectives: Comparison and Suffixes
- Quiz 1
- 9 Verbs: Principal Parts
  - 10 Verbs: Tense, Voice, and Mood
  - 11 Verb Conjugation
  - 12 Verbs: Other Topics
  - 13 Adverbs
- Quiz 2
- 14 Types of Pronouns (1)
  - 15 Types of Pronouns (2)
  - 16 Pronouns and Antecedents
  - 17 Prepositions
  - 18 Frequently Misused Prepositions
  - 19 Conjunctions and Interjections
- Quiz 3
- 20 Phrases
  - 21 Clauses
- Quiz 4

22 Sentence Parts  
23 Sentence Structure (1)  
24 Sentence Structure (2)  
Quiz 5  
Special Project L901A  
TEST  
ALTERNATE TEST

**LANGUAGE ARTS 902—NATURE OF LANGUAGE**

1 Origin of Language  
2 Make-up of Language  
Project L902A  
Quiz 1  
3 Indo-European Migrations  
4 Indo-European Families  
5 Old English to Modern English  
Quiz 2  
6 Word Meanings  
7 Word Roots  
8 Understanding Word Parts  
9 Working With Word Parts  
Quiz 3  
Special Project L902B  
TEST  
ALTERNATE TEST

**LANGUAGE ARTS 903—WORDS AND WRITING**

1 Using the Dictionary  
2 Using Words Effectively  
Quiz 1  
3 Spelling: Pronunciation Techniques  
4 Mnemonics  
Quiz 2  
5 Writing: Preparation  
6 Researching and Writing the Paper  
Project L903A  
Essay L903B  
Quiz 3  
Special Project L903C  
TEST  
ALTERNATE TEST

**LANGUAGE ARTS 904—LANGUAGE IN LITERATURE**

1 Collective Nouns  
2 Regular and Irregular Verbs (1)  
3 Regular and Irregular Verbs (2)  
4 Double Negatives  
Quiz 1  
5 Comparisons (1)  
6 Comparisons (2)  
7 Double Comparisons

8 Gerunds and Participles  
Quiz 2  
9 Literary Genres: Poetry  
Project L904A  
10 Drama  
11 Novel  
12 Short Story  
Essay L904B  
Quiz 3  
Special Project L904C  
TEST  
ALTERNATE TEST

**LANGUAGE ARTS 905—READING WITH SKILL**

1 Reading Skills: Finding the Main Idea  
2 Understanding Supporting Details  
3 Making Generalizations  
Essay L905A  
Quiz 1  
4 Short Story Fundamentals  
5 Characterization and Plot  
6 Theme, Language, Setting, Symbolism  
Quiz 2  
7 Two Short Stories  
Essay L905B  
8 Flowers For Algernon  
Quiz 3  
Special Project L905C  
TEST  
ALTERNATE TEST

**LANGUAGE ARTS 906—ENHANCING READING SKILLS AND POETIC UNDERSTANDING**

1 Determining the Author's Message  
2 Promoting Ideas  
Essay L906A Paragraph  
Essay L906B Paragraph Rewrite  
Quiz 1  
3 Using Visual Aids  
Essay L906C The Value of Visual Aids  
Quiz 2  
4 Understanding Poetry  
Essay L906D Hot Weather Song  
5 Anapest  
Essay L906E Poetry  
Essay L906F Your Poem  
Quiz 3  
Special Project L906G  
TEST  
ALTERNATE TEST

**LANGUAGE ARTS 907—COMMUNICATION**

1 Speaking  
2 The Beginning of a Speech  
Project L907A-Speech  
Project L907B-Effective Oral Reading  
Quiz 1  
3 Listening  
Quiz 2  
4 Letter Writing  
Project L907C Informal Letter  
Project L907D Business Letter  
Quiz 3  
Special Project L907E  
TEST  
ALTERNATE TEST

### LANGUAGE ARTS 908—THE LIBRARY AND DRAMA

1 The Library  
Project L908A  
Project L908B  
Quiz 1  
2 Drama  
Essay L908C Parable  
Quiz 2  
3 The Miracle Worker (Part 1)  
4 The Miracle Worker (Part 2)  
Essay L908D Miracle Worker  
Essay L908E The Asylum  
Quiz 3  
Special Project L908F  
TEST  
ALTERNATE TEST

### LANGUAGE ARTS 909—STUDIES IN THE NOVEL

1 The Novel (Part 1)  
2 Subject Matter  
3 The Novel (Part 2)  
4 Modes of Writing The Novel  
5 Realism  
Quiz 1  
6 Twenty Thousand Leagues Under the Sea  
Essay L909A Twenty Thousand Leagues  
7 Plot  
8 Episodes  
9 Plot Function  
Quiz 2  
10 The Critical Essay  
Essay L909B Lost Continent  
Essay L909C Outline  
Quiz 3  
Special Project L909D  
TEST  
ALTERNATE TEST

### LANGUAGE ARTS 910—REVIEW

1 Structure  
2 Plural Nouns  
3 Adjectives  
4 Verbs and Adverbs  
5 Pronouns, Prepositions, and Conjunctions  
Quiz 1  
6 Communication  
7 The Skills of Speaking  
Quiz 2  
8 Reading  
9 Determining the Author's Message  
Quiz 3  
Special Project L910A  
TEST  
ALTERNATE TEST

## Language Arts 10

Language Arts 1000 continues to build on the sequential development and integration of communication skills in four major areas—reading, writing, speaking, and listening. It focuses on deepening and furthering students' understanding in the following ways:

- **Reading-** reinforces reading comprehension skills by teaching students how to comprehend and appreciate poetry, drama, nonfiction, and fiction; shows students how to analyze, evaluate, and interpret a text; reinforces awareness of the elements and structure of narrative prose; guides students through readings of the allegory *Everyman* and Sheldon's *In His Steps*, as well as selections of and excerpts from well-known poetry and short stories.
- **Writing-** develops students' understanding of complex sentence and paragraph structures, providing hands-on experience with connectives, transitions, phrases, and clauses; teaches language history and etymology to help students build on knowledge of grammar and word structures; expands on students' vocabulary skills; gives students the opportunity to develop their abilities in writing a set of instructions, a literary critique, a poem, a short story, and a speech.
- **Speaking-** offers students experience in delivering a speech; teaches skills that enable students to become effective speakers and communicators, weaving the skills throughout the course.

- **Listening-** teaches effective listening comprehension skills, integrating these throughout the lessons.
- **Special Topics-** incorporates research skills, including Internet, library, and reference material use, throughout the curriculum.

### **LANGUAGE ARTS 1001—LANGUAGE STRUCTURE**

- 1 Forming Noun Plurals(1)
- 2 Forming Noun Plurals(2)
- 3 Forming Noun Plurals(3)
- 4 Forming Noun Plurals(4)
- 5 Forming Noun Plurals(5); Suffixes
- 6 Adding Suffixes(1)
- 7 Adding Suffixes(2)
- Quiz 1
- 8 Kinds of Pronouns (1)
- 9 Kinds of Pronouns (2)
- 10 Kinds of Pronouns (3)
- 11 Gender and Case in Pronouns
- Quiz 2
- 12 Pronoun/Antecedent Agreement
- 13 Pronoun Reference
- 14 Subordinate Clauses
- 15 Special Types of Adjective Clauses
- 16 Adverb Clauses
- 17 Noun Clauses
- Quiz 3
- Special Project L1001A
- TEST
- ALTERNATE TEST

### **LANGUAGE ARTS 1002—WRITING EFFECTIVE SENTENCES**

- 1 Verbals
- 2 Participles (2)
- 3 Infinitives
- 4 Gerunds
- Quiz 1
- 5 Phrases
- 6 Prepositional Phrases (2)
- 7 Appositive Phrases and Direct Address
- 8 Participle and Gerund Phrases
- 9 Infinitive Phrases
- Quiz 2
- 10 Sentences Types
- 11 Compound Sentences
- 12 Complex Sentences
- Essay L1002A-Effective Writing
- Quiz 3
- Special Project L1002B
- TEST
- ALTERNATE TEST

### **LANGUAGE ARTS 1003—WRITING AND READING SKILLS**

- 1 Elements of the Sentence
- 2 Elements of the Paragraph
- 3 Connectives and Transitions
- Essay L1003A-Using Connectives
- 4 Development of Paragraphs
- Essay L1003B-Paragraphs
- Essay L1003C-Using Change of Focus
- Quiz 1
- 5 Elements of Exposition (1)
- Essay L1003D-Recipe
- Essay L1003E-How-to
- 6 Elements of Exposition (2)
- Essay L1003F-Biography
- Quiz 2
- 7 Recognizing Main Ideas
- 8 Advanced Reading Skills
- Project L1003G-Analyzing Expository

#### **Writing**

- 9 Understanding Relationships
- Essay L1003H-Logic
- Essay L1003I-Expository Essay
- Quiz 3
- 10 Value, Nature, and Role of Oral Reading
- 11 Skills of Oral Reading
- 12 Preparation for Oral Reading
- Project L1003J-Oral Reading
- Project L1003K-Abridged Reading
- Quiz 4
- Special Project L1003L
- TEST
- ALTERNATE TEST

### **LANGUAGE ARTS 1004—SPEAKING AND LISTENING**

- 1 Selecting and Limiting a Topic
- 2 Choosing the Language (1)
- 3 Choosing the Language (2)
- Essay L1004A-Writing a Speech
- 4 The Speech
- Project L1004B-Giving the Speech
- Quiz 1
- 5 The Nature of Listening
- 6 Critical Listening (1)
- 7 Critical Listening (2)
- Essay L1004C-Taking Notes
- Essay L1004D-Commercials
- Quiz 2
- Special Project L1004E
- TEST
- ALTERNATE TEST

**LANGUAGE ARTS 1005—THE DEVELOPMENT OF ENGLISH**

- 1 Changes in Vocabulary (1)
- 2 Changes in Vocabulary (2)
- 3 Changes in Meaning
- 4 Etymology (1)
- 5 Etymology (2)
- Project L1005A-Names
- 6 Etymology (3)
- Quiz 1
- 7 Changes in Pronunciation and Spelling
- 8 Changes in Grammar (1)
- 9 Changes in Grammar (2)
- 10 Changes in Grammar (3)
- Quiz 2
- 11 Development of English: Anglo Saxon
- 12 Norman Invasion
- 13 The Renaissance (1)
- 14 The Renaissance (2) and the Age of Reason
- 15 Colonization of America
- 16 Westward Movement/Industrial Revolution
- Quiz 3
- 17 Varieties of English: American and British
- 18 American Regional Dialects
- Essay L1005B-Varieties
- 19 Nonstandard and Standard English
- Project L1005C-Advertising
- Essay L1005D-Newspaper
- Essay L1005E-Future
- Quiz 4
- Special Project L1005F
- TEST
- ALTERNATE TEST

**LANGUAGE ARTS 1006—THE SHORT STORY**

- 1 Short Story Elements
- 2 Celebrated Jumping Frog of Calaveras County
- 3 The Lady, or the Tiger?
- Essay L1006A-The Lady, or the Tiger?
- 4 The Necklace
- Essay L1006B-The Necklace
- Quiz 1
- 5 Writing About Literature
- Project L1006C-Outline
- 6 Writing a Literary Critique
- Project L1006D-Preparing a Critique
- Essay L1006E-Critique
- Quiz 2
- 7 Writing a Short Story
- Project L1006F-Preparing a Short Story

- Essay L1006G-Short Story
- Quiz 3
- Special Project L1006H
- TEST
- ALTERNATE TEST

**LANGUAGE ARTS 1007—STUDIES IN THE NOVEL**

- 1 Aspects of the Novel
- 2 Drama and the Novel
- 3 The Novelist and His Novel
- 4 The Novelist and His Selection
- 5 The Novelist and His Limits
- 6 The Novelist: His Values and Detachment
- Quiz 1
- 7 In His Steps (1): Novel and Plot
- 8 In His Steps (2)
- Essay L1007A-Maxwell
- Essay L1007B-Raymond
- Quiz 2
- 9 The Critical Essay: The Book Review
- Essay L1007C-Preparing the Review
- Essay L1007D-Writing the Review
- Quiz 3
- Special Project L1007E
- TEST
- ALTERNATE TEST

**LANGUAGE ARTS 1008—DRAMA**

- 1 The Development of Drama (1)
- 2 The Development and Elements of Drama
- Quiz 1
- 3 Oral Interpretation and Christian Drama
- 4 Everyman (Part 1)
- 5 Everyman (Part 2)
- 6 Everyman (Part 3)
- 7 Everyman (Part 4)
- 8 Everyman (Part 5)
- 9 Everyman (Part 6)
- 10 Everyman (Part 7)
- 11 Everyman (Part 8)
- 12 Everyman (Part 9)
- Essay L1008A-Everyman
- Quiz 2
- Special Project L1008B
- TEST
- ALTERNATE TEST

**LANGUAGE ARTS 1009—POETRY**

- 1 Poetry Defined (1)
- 2 Poetry Defined (2)
- 3 Poetic Devices (1)
- 4 Poetic Devices (2)
- Quiz 1

5 The Meaning of Poetry (1)  
6 The Meaning of Poetry (2)  
Project L1009A-Poem Analysis  
Project L1009B-Writing a Poem  
Quiz 2  
Special Project L1009C  
TEST  
ALTERNATE TEST

### LANGUAGE ARTS 1010—LOOKING BACK

1 The Development of English  
2 English Usage  
3 Noun Plurals  
4 Suffixes  
5 Verbals and Phrases  
6 Subordinate Clauses  
7 Pronouns  
8 Sentence Types  
9 Organizing Paragraphs  
Project L1010A-Paragraph  
10 Punctuating Ideas  
11 Writing Compositions  
Essay L1010B-Critique  
Quiz 1  
12 Preparing a Speech  
13 Writing and Delivering a Speech  
Project L1010C-Speech  
14 Reading Literature to an Audience  
Project L1010D-Cutting  
15 Listening to a Speech  
Essay L1010E-Evaluating  
Quiz 2  
16 Reading for Meaning  
17 Reading and Experiencing Poetry  
18 Interpreting Poetry  
19 Reading Drama  
20 Everyman  
21 Reading Short Stories (1)  
22 Reading Short Stories (2)  
23 Reading a Novel  
Essay L1010F-In His Steps  
Quiz 3  
Special Project L1010G  
TEST  
ALTERNATE TEST

## Language Arts 11

Language Arts 1100 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-** reinforces reading comprehension skills by teaching students comprehension techniques for literary fiction, nonfiction, poetry, and drama; discusses common literary devices; shows students how to analyze, evaluate, and interpret a text; reinforces awareness of the elements and structure of narrative and expository prose; guides students through readings of Thornton Wilder's *Our Town* (play), Corrie ten Boom's *The Hiding Place* (autobiographical account), and Hemingway's *The Old Man and the Sea* (short story), as well as selections of and excerpts from well-known poetry and nonfiction pieces.
  - **Writing-** develops students' writing skills by teaching about clauses and phrases in sentence structures; reviews common sentence construction errors and methods for avoiding them; provides practice in standard and nonstandard English, as well as specialized language use; teaches Greek and Latin roots and prefixes to enhance vocabulary and spelling skills; expands students' abilities to write cohesive and coherent expository prose; gives students the opportunity to develop their abilities in writing literary critiques, personal essays, poetry, and research papers.
- Special Topics-** incorporates research skills, including Internet, library, and reference material use, throughout the curriculum

### LANGUAGE ARTS 1101—THE USES AND VARIETIES OF ENGLISH

1 Nonstandard English: Ungrammatical Speech  
2 Nonstandard English: Dialects  
3 Nonstandard English: Slang and Jargon  
4 Standard English  
Essay L1101A-Using Standard English  
Quiz 1  
5 Everyday English  
Project L1101B-Using Colloquialisms  
6 Professional English  
Project L1101C-Magazine Articles  
7 Legal and Business English  
Essay L1101D-Using Legal English  
8 Literary English  
9 Poetry  
Quiz 2  
10 Lexicography  
Essay L1101E-Using a Dictionary

11 Reading a Dictionary Entry  
Project L1101F-Etymology  
Quiz 3  
Special Project L1101G  
TEST  
ALTERNATE TEST

**LANGUAGE ARTS 1102—WRITING  
EFFECTIVE SENTENCES**

1 Clauses  
2 Noun Clauses  
3 Adverb Clauses  
Project L1102A-Writing Subordinate  
Clauses  
Project L1102B-Subordinate Clauses  
Quiz 1  
4 Relative Pronouns  
Project L1102C-Relative Pronouns  
5 Subordinating Conjunctions  
Quiz 2  
6 Verbals: Participles  
Project L1102D-Present and Past Participles  
7 Verbals: Gerunds  
8 Verbals: Infinitives  
9 Appositives  
Project L1102E-Verbals and Appositives  
Quiz 3  
Special Project L1102F  
TEST  
ALTERNATE TEST

**LANGUAGE ARTS 1103—SENTENCE  
WORKSHOP**

1 Personal Pronouns: Nominative Case  
2 Personal Pronouns: Objective Case  
3 Personal Pronouns: Possessive Case  
Project L1103A-Pronoun Case  
4 Other Pronoun Classes  
Quiz 1  
5 Pronoun Reference (1)  
6 Pronoun Reference (2)  
7 Pronoun Agreement  
Quiz 2  
Project L1103B-Pronouns  
8 Improving Sentence Structure (1)  
9 Improving Sentence Structure (2)  
10 Improving Sentence Structure (3)  
11 Improving Sentence Structure (4)  
Essay L1103C-Using Parallel Structure  
Quiz 3  
Special Project L1103D  
TEST  
ALTERNATE TEST

**LANGUAGE ARTS 1104—WHY STUDY  
READING?**

1 Using Prefixes and Roots  
2 Latin Prefixes  
3 Greek Roots  
Project L1104A-Greek Roots  
4 Latin Roots  
Project L1104B-Latin Roots  
Quiz 1  
5 Finding Word Meanings  
Project L1104C-Using Context Clues  
6 Marking Pronunciation  
Quiz 2  
7 Finding the Main Idea  
Quiz 3  
8 Analyzing a Textbook  
Essay L1104D-Outline and Essay  
Quiz 4  
Special Project L1104E  
TEST  
ALTERNATE TEST

**LANGUAGE ARTS 1105—POETRY**

1 Measurement in Poetry  
Essay L1105A-Response to ANNABEL  
LEE  
2 Meter and Metrical Sets  
Essay L1105B-Writing a Rhymed Verse  
Project: L1105C-The Meter of a Poem  
3 Musical Effects: Rhyme  
4 Other Musical Effects  
5 Form in Poetry  
Essay L1105D-Narrative and Lyric Poetry  
Project L1105E-Sonnet  
Quiz 1  
6 Universality and the Experience of Faith  
7 The Experience of Faith (cont.)  
Project L1105F-Prose Paraphrase  
Project L1105G-Prose Paraphrase  
8 The Experience of Hope  
9 The Experience of Love  
Project L1105H-Society and Young People  
Quiz 2  
10 Imagery and Connotation  
Essay 1105I-Writing a Poem  
Quiz 3  
Special Project L1105J  
TEST  
ALTERNATE TEST

**LANGUAGE ARTS 1106—NONFICTION**

1 Elements of Nonfiction  
Project L1106A-Survey  
2 Forms and Characteristics of Nonfiction

3 Forms of Exposition: Description  
Quiz 1  
4 Types of Nonfiction (1)  
5 Types of Nonfiction (2)  
Project L1106B-Journal  
6 Types of Nonfiction (3)  
7 Types of Nonfiction (4)  
Project L1106C-Analyzing an Editorial  
Quiz 2  
8 Nonfiction Topics for Reading  
Essay L1106D-Personal Experience  
9 Other Nonfiction Topics for Reading  
10 Composition of Nonfiction  
Project L1106E-Outline  
Essay L1106F-Illustrative Composition  
Essay L1106G-Analytical Paper  
Essay L1106H-Persuasive Paper  
Quiz 3  
Special Project L1106I  
TEST  
ALTERNATE TEST

#### **LANGUAGE ARTS 1107—AMERICAN DRAMA**

1 The Development of Drama  
2 Drama in America  
Quiz 1  
3 The Art of Drama  
4 The Structure and Reading of a Play  
Quiz 2  
5 Wilder's OUR TOWN  
6 OUR TOWN: Act I  
7 OUR TOWN: Act II  
Essay L1107A-My Town  
8 OUR TOWN: Act III  
Essay L1107B-Critical Essay: OUR TOWN  
Quiz 3  
Special Project 1107C  
TEST  
ALTERNATE TEST

#### **LANGUAGE ARTS 1108—STUDIES IN THE AMERICAN NOVEL**

1 The American Novel  
2 Nineteenth Century Novel  
Essay L1108A-Nathaniel Hawthorne  
3 Nineteenth Century Novel (cont.)  
4 Twentieth Century Novel  
Essay L1108B-Twentieth Century Novelist  
Quiz 1  
5 The Old Man and the Sea  
6 Figurative Use of Language in the Novel  
Project L1108C-Imagery  
7 Symbol and Metaphor in the Novel

Essay L1108D-Similarities Among Symbols  
Quiz 2  
8 The Critical Essay  
Project L1108E-Interpretations  
9 Writing the Critical Essay  
Project L1108F-Interpretive Essay  
Essay L1108G-Interpretive Essay  
Project L1108H-Biblical Evaluation Essay  
Essay L1108I-Biblical Evaluation Essay  
Quiz 3  
Special Project L1108J  
TEST  
ALTERNATE TEST

#### **LANGUAGE ARTS 1109—RESEARCH**

1 The Investigative Process  
Project L1109A-Choosing the Subject  
2 Formulating a Thesis Statement  
Project L1109B-Thesis Statement  
Quiz 1  
3 The Library and the Internet  
Project L1109C-Library Tour  
4 Preparing a Bibliography  
Project L1109D-Bibliography Cards  
5 Taking Notes  
Project L1109E-Taking Notes  
Quiz 2  
6 The Composition  
Project L1109F-Revised Thesis Statement  
7 Outlining the Paper  
Project L1109G-Outline  
8 Writing the Research Paper (1)  
Project L1109H-Transitions  
9 Writing the Research Paper (2)  
10 Citing Sources and Writing the  
Bibliography  
Essay L1109I-Research Paper  
Quiz 3  
Special Project L1109J  
TEST  
ALTERNATE TEST

#### **LANGUAGE ARTS 1110—REVIEWING COMMUNICATION SKILLS AND LITERATURE**

1 Analyzing Written Words  
Project L1110A-Prefixes and Roots  
2 Analyzing Written Words: Dictionary  
Skills  
Quiz 1  
3 Writing Effective Sentences (1)  
4 Writing Effective Sentences (2)  
Project L1110B-Using Phrases in Sentences  
5 Sentence Problems

|            |   |
|------------|---|
|            | Quiz 2                                      |
|            | 6 Writing Expository Prose                  |
|            | Project L1110C-Preparing Expository         |
| Theme      | Essay L1110D-Expository Theme               |
|            | 7 Writing Expository Prose: Research        |
| Papers     | 8 Critical Analysis                         |
|            | Quiz 3                                      |
|            | 9 Genres of American Literature: Drama      |
|            | 10 Genres of American Literature: Poetry    |
| (1)        | 11 Genres of American Literature: Poetry    |
| (2)        | 12 Genres of American Literature: Novel (1) |
|            | 13 Genres of American Literature: Novel (2) |
|            | Essay L1110E-Old Man and the Sea            |
|            | 14 Genres of American Literature:           |
| Nonfiction | Quiz 4                                      |
|            | Special Project 1110F                       |
|            | TEST  |
|            | ALTERNATE TEST                              |

## Language Arts 12

Language Arts 1200 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-** reinforces reading comprehension skills by teaching students comprehension techniques for literary fiction, poetry, and drama, including discussion of common literary devices; shows students how to analyze, evaluate, and interpret a text; reinforces awareness of the elements and structure of narrative and expository prose; guides students through English literary history, including readings of Shakespeare's *Hamlet*, Milton's *Paradise Lost*, *Beowulf*, Bunyan's *The Pilgrim's Progress*, and other selections of and excerpts from major English literary figures.
- **Writing-** develops students' writing skills by teaching about clauses and phrases in sentence structures; reviews common sentence and paragraph construction errors and methods for avoiding them; teaches Greek and Latin roots and prefixes to enhance vocabulary and spelling skills; expands students' abilities to write cohesive and coherent

expository prose; gives students the opportunity to develop their abilities in writing literary critiques, poetry, short stories, and expository prose.

- **Listening-** teaches effective listening comprehension skills, weaving these throughout the lessons; builds upon students' study skills as well as helps them to become reliable and efficient note takers.

**Special Topics-** incorporates research skills, including Internet, library, and reference material use, throughout the curriculum.

### LANGUAGE ARTS 1201—THE WORTH OF WORDS

|    |                                      |
|----|--------------------------------------|
| 1  | Word Forms and Meanings (1)          |
| 2  | Word Forms and Meanings (2)          |
| 3  | Word Types: Jargon and Acronyms      |
|    | Quiz 1                               |
| 4  | Expository Writing                   |
| 5  | Paragraph Structure                  |
|    | Essay L1201A-Writing a Paragraph     |
| 6  | Coherence and Consistency in Writing |
| 7  | Mechanics                            |
| 8  | Spelling                             |
|    | Additional Spelling Drill            |
|    | Quiz 2                               |
| 9  | Sentence Structure                   |
| 10 | Dangling Modifiers; Parallelism      |
| 11 | Reference; Agreement; Logical Errors |
| 12 | Diction                              |
|    | Essay L1201B-Writing a Longer Essay  |
|    | Quiz 3                               |
|    | Special Project L1201C               |
|    | TEST                                 |
|    | ALTERNATE TEST                       |

### LANGUAGE ARTS 1202—THE STRUCTURE OF LANGUAGE

|   |                                   |
|---|-----------------------------------|
| 1 | Parts of Speech Review (1)        |
| 2 | Parts of Speech Review (2)        |
| 3 | Parts of Speech Review (3)        |
|   | Quiz 1                            |
| 4 | The Structure of Sentences        |
| 5 | The Parts of the Sentence         |
|   | Project L1202A-Sentence Patterns  |
|   | Quiz 2                            |
| 6 | Methods of Subordination (1)      |
| 7 | Methods of Subordination (2)      |
| 8 | Methods of Subordination (3)      |
| 9 | Methods of Subordination (4)      |
|   | Project L1202B-Variety in Writing |
|   | Quiz 3                            |
|   | Special Project L1202C            |
|   | TEST                              |

ALTERNATE TEST

**LANGUAGE ARTS 1203—READING,  
RESEARCHING, AND LISTENING SKILLS**

- 1 Reading Comprehension; Drill One
- 2 Identifying Sentence Meanings and Main Ideas
- 3 Drill Two
- 4 Identifying Supporting Details  
Essay L1203A-Using Details in Writing  
Quiz 1
- 5 Drill Three
- 6 Finding Information in the Library
- 7 Drill Four
- 8 Finding Information on the Internet  
Project L1203B-Web Search Projects
- 9 Drill Five
- 10 Listening for Information  
Project L1203C-Writing a Paper from Notes  
Quiz 2  
Special Project L1203D  
TEST  
ALTERNATE TEST

**LANGUAGE ARTS 1204—LANGUAGE: GOD'S  
GIFT TO MAN**

- 1 Origin of Language  
Quiz 1
- 2 Grammar
- 3 Structural Grammar
- 4 Generative Grammar  
Quiz 2
- 5 Semantics  
Project L1204A-Semantics and Advertising  
Project L1204B-Levels of Usage and Meaning  
Quiz 3  
Special Project L1204C  
TEST  
ALTERNATE TEST

**LANGUAGE ARTS 1205—MEDIEVAL  
ENGLISH LITERATURE**

- 1 Early England  
Essay L1205A-Early Britain
- 2 Early Literature of England
- 3 The Epic and Beowulf  
Project L1205B-Kennings  
Project L1205C-Beowulf
- 4 The Elegy  
Essay L1205D-The Elegies  
Quiz 1
- 5 Medieval England
- 6 English Literature (1066-1300)

- Project L1205E-Ballad
- 7 Thirteenth Century Literature  
Essay L1205F-13th C. Literary Forms  
Quiz 2
- 8 Fourteenth Century England
- 9 Chaucer's Language
- 10 Canterbury Tales  
Essay L1205G-Character Study  
Essay L1205H-Modern Pilgrimage
- 11 The Nun's Priest's Tale  
Quiz 3  
Special Project L1205I  
TEST  
ALTERNATE TEST

**LANGUAGE ARTS 1206—ELIZABETHAN  
LITERATURE**

- 1 Elizabethan Poetry (1): Songs
- 2 Elizabethan Poetry (2): Sonnets
- 3 Elizabethan Poetry (3): Sonnets
- 4 Translations and Prose  
Essay L1206A-Elizabethan Literature  
Quiz 1
- 5 Elizabethan Drama
- 6 William Shakespeare  
Quiz 2
- 7 Hamlet--Act I, i-ii
- 8 Hamlet--Act I, iii-v
- 9 Hamlet--Act II
- 10 Hamlet--Act III
- 11 Hamlet--Act IV
- 12 Hamlet--Act V  
Quiz 3
- 13 The Critical Essay  
Project L1206B-Critical Essay (1)  
Essay L1206C-Critical Essay (2)  
Quiz 4  
Special Project L1206D  
TEST  
ALTERNATE TEST

**LANGUAGE ARTS 1207—SEVENTEENTH-  
AND EIGHTEENTH-CENTURY ENGLISH  
LITERATURE**

- 1 Historical Background
- 2 Glorious Revolution to Post-1750's  
Quiz 1
- 3 17th Century-Puritan Literature: Milton
- 4 Milton: Paradise Lost (1)
- 5 Milton: Paradise Lost (2)
- 6 17th Century-Puritan Literature: Bunyan  
Quiz 2
- 7 Literature of Common Sense: Pope
- 8 Literature of Common Sense: Swift

Quiz 3  
9 Literature of Sensibility: Johnson  
10 Literature of Sensibility: Goldsmith  
Essay L1207A-Swift and Goldsmith  
Quiz 4  
Special Project L1207B  
TEST  
ALTERNATE TEST

### **LANGUAGE ARTS 1208—ROMANTIC AND VICTORIAN POETRY**

1 Romantic Revolution  
2 Poetic Revolution  
3 Victorian Variety  
Essay L1208A-Queen Victoria  
Quiz 1  
4 Romantic Poets: Wordsworth (1770-1850)  
5 William Wordsworth: Other Poems  
Essay L1208B-Lessons from Nature  
6 Romantic Poets: Coleridge (1772-1834)  
7 Romantic Poets: Byron (1788-1824)  
Essay L1208C-Response to Guilt  
8 Romantic Poets: Shelley (1792-1822)  
9 Romantic Poets: Keats (1795-1821)  
Essay L1208D-John Constable  
Quiz 2  
10 Victorian Poets: Tennyson (1809-1892)  
Essay L1208E-Views of Nature  
11 Victorian Poets: R. and E.B. Browning  
12 Victorian Poets: Hopkins (1844-1889)  
Quiz 3  
Special Project L1208F  
TEST  
ALTERNATE TEST

### **LANGUAGE ARTS 1209—CREATIVE WRITING**

1 Reading Fiction and Poetry  
2 Poetry Fundamentals  
Quiz 1  
3 Writing the Short Story  
Project L1209A-Journal  
Project L1209B-Writing Descriptions  
Project L1209C-Character Sketch  
4 Narration and Style  
Essay L1209D-Inventing Characters  
Essay L1209E-Writing a Short Story  
Quiz 2  
5 Writing the Poem  
Project L1209F-Using Personification  
Project L1209G-Writing A Poem  
Project L1209H-Writing Free Verse  
Project L1209I-Writing a Limerick

Quiz 3  
Special Project L1209J  
TEST  
ALTERNATE TEST

### **LANGUAGE ARTS 1210—REVIEW**

1 Origin and Form of Words  
2 Grammar and Semantics  
3 Reading and Literature Types  
Project L1210A-Short Story Characteristics  
Project L1210B-Poem Analysis  
4 Expository Writing  
Project L1210C-Expository Paragraph  
5 Sentence Structure (1)  
6 Sentence Structure (2)  
Essay--L1210D-Expository Essay  
7 Creative Writing  
Essay L1210E-Short Story  
Project L1210F-Writing Poetry  
Quiz 1  
8 Medieval English Literature  
9 Beowulf  
10 Middle English Literature  
11 The Canterbury Tales  
12 Elizabethan Literature  
13 Elizabethan Drama  
14 Hamlet  
Quiz 2  
15 17th-19th-Century English Literature  
16 Seventeenth-Century Puritan Literature  
17 Satire from the Literature of Common Sense  
18 Romantic and Victorian Poetry (1)  
19 Romantic and Victorian Poetry (2)  
Quiz 3  
Special Project L1210G  
TEST  
ALTERNATE TEST

## **Mathematics 9 (Algebra I)**

Math 900 is a full-year math course covering the traditional material of first year high school algebra. This course continues students' mathematical growth by strongly focusing on the skills and methods of algebra. In it, students will gain solid experience with algebraic techniques and methods, including radical expressions, systems of equations, and quadratic equations. This course presents instruction under the spiral method, with regular review and reinforcement of previous content.

By the end of the course, students will be expected to:

- Evaluate expressions with integers, exponents, and absolute values
- Plot ordered pairs and graph lines on a coordinate grid
- Solve multiple-step equations
- Perform operations on polynomials, including factoring and FOILing
- Solve algebraic word problems involving mixtures, money, and integers
- Evaluate and solve radical expressions and equations
- Solve systems of equations with graphing, substitution, and matrices
- Graph and solve quadratic equations

### **MATHEMATICS 901—VARIABLES AND NUMBERS (ALGEBRA I)**

- 1 Introduction
- 2 Deductive Thinking
- 3 Multiplication Property
- 4 Products
- 5 Exponents
- 6 Evaluating Expressions
- Quiz 1
- 7 Number Skills (Part 1)
- 8 Number Skills (Part 2)
- 9 Fractions and Zero
- 10 Percent
- 11 The Distributive Property
- 12 Variables
- 13 Simplifying Expressions
- 14 Simplifying Like Terms
- 15 Simplifying Unlike Terms
- Quiz 2
- 16 Signed Numbers
- 17 Signed Numbers: Addition
- 18 Signed Numbers: Subtraction
- 19 Signed Numbers: Multiplication
- 20 Signed Numbers: Multiplication (Cont.)
- 21 Division
- Quiz 3
- Special Project M901A
- TEST

### **MATHEMATICS 902—SOLVING EQUATIONS AND INEQUALITIES (ALGEBRA I)**

- 1 Sentences and Formulas
- 2 Absolute Value
- 3 Sentences with Variables
- 4 Sentences with Variables (Cont.)
- 5 Formulas
- Quiz 1
- 6 Verbal Sentences

- 7 Solving Equations: Addition Property
- 8 Solving Equations: Multiplication Property
- 9 Multi-step Equations
- Quiz 2
- 10 Use of Parentheses
- 11 Literal Equations
- 12 Solving Inequalities
- 13 Addition and Multiplication Properties
- 14 Sentences with Absolute Value
- Quiz 3
- Special Project M902A
- TEST

### **MATHEMATICS 903—PROBLEM ANALYSIS AND SOLUTION (ALGEBRA I)**

- 1 Problem Analysis and Solution
- 2 Sets and Problem Solving
- 3 Solving Verbal Problems
- Quiz 1
- 4 Simple Verbal Problems
- 5 Using More Than One Unknown
- 6 Geometry Problems
- 7 Problems Involving Money
- Quiz 2
- 8 Medium Verbal Problems
- 9 Lever Problems
- 10 Integer Problems
- Quiz 3
- 11 Challenging Verbal Problems
- 12 Mixture Problems and Review
- Project M903A-Sets and Probability
- Quiz 4
- Special Project M903B
- TEST

### **MATHEMATICS 904—POLYNOMIALS (ALGEBRA I)**

- 1 Polynomials: Addition
- 2 Sums of Polynomials
- Quiz 1
- 3 Polynomials: Subtraction
- 4 Differences of Polynomials
- 5 Grouping Symbols
- Quiz 2
- 6 Multiplication
- 7 Products of Polynomials by Monomials
- 8 Products of Polynomials
- Quiz 3
- 9 Division
- 10 Division: Monomials
- 11 Quotients of Polynomials
- Quiz 4
- Special Project M904A
- TEST

**MATHEMATICS 905—FACTORS (ALGEBRA I)**

- 1 Factor
- 2 Literal Terms
- 3 Polynomials
- Quiz 1
- 4 FOIL and Binomial Factors (Part 1)
- 5 Finding Binomial Factors (Part 2)
- 6 Binomials
- Quiz 2
- 7 Finding Complete Factorizations
- 8 Four Term Polynomials
- 9 Word Problems
- Quiz 3
- 10 Optional Practice in Factoring
- Special Project M905A
- TEST

**MATHEMATICS 906—ALGEBRAIC FRACTIONS (ALGEBRA I)**

- 1 Operations
- 2 Adding and Subtracting Fractions
- 3 Least Common Denominators
- 4 Multiplying and Dividing Fractions
- 5 Simplifying Complex Fractions
- Quiz 1
- 6 Open Sentences
- 7 Literal Equations
- 8 Solving Inequalities
- 9 Rewriting Formulas
- Quiz 2
- 10 Word Problems
- 11 Quotient Remainder
- Quiz 3
- Special Project M906A
- TEST

**MATHEMATICS 907—RADICAL EXPRESSIONS (ALGEBRA I)**

- 1 Real Numbers (Part 1)
- Project M907A-Data Summaries
- 2 Graphs and Order (1)
- 3 Properties: Closure and Density (1)
- 4 Real Numbers (Part 2): Irrational Numbers
- 5 Graphs and Order (2)
- Quiz 1
- 6 Operations and Irrational Roots
- 7 Simplifying Radicals
- 8 Quotient Property
- 9 Combining Radicals
- 10 Multiplying Radicals
- 11 Dividing Radicals
- 12 Rationalization of Denominators
- Quiz 2

- 13 Equations
- 14 Solving Radical Equations
- 15 Literal Equations
- Quiz 3
- Project M907B-Central Tendencies
- 16 Radicals and Exponents
- Special Project M907C
- TEST

**MATHEMATICS 908—GRAPHING (ALGEBRA I)**

- 1 Using Two Variables
- 2 The Real Number Plane
- 3 Translations
- Quiz 1
- 4 Applying Graphing Techniques-Part 1
- 5 Applying Graphing Techniques-Part 2
- 6 Applying Graphing Techniques-Part 3
- 7 Applying Graphing Techniques-Part 4
- 8 Applying Graphing Techniques-Part 5
- 9 Applying Graphing Techniques-Part 6
- 10 Applying Graphing Techniques-Part 7
- Quiz 2
- 11 Writing Equations of Lines-Part 1
- 12 Given the Graph
- Quiz 3
- Special Project M908A
- TEST

**MATHEMATICS 909—SYSTEMS (ALGEBRA I)**

- 1 Graphical Solutions
- 2 Graphs
- 3 Inequalities
- Quiz 1
- 4 Algebraic Solutions
- 5 Substitution Method
- Quiz 2
- 6 Determinants
- 7 Word Problems
- Quiz 3
- Special Project M909A
- TEST

**MATHEMATICS 910—QUADRATIC EQUATIONS AND REVIEW (ALGEBRA I)**

- 1 Quadratic Equations
- 2 Methods of Solving Quadratic Equations
- 3 The Quadratic Formula
- 4 Verbal Problems
- Quiz 1
- 5 Review of Algebra (Part 1)
- 6 Polynomial Review
- Quiz 2
- 7 Review of Algebra (Part 2)

8 Systems  
Quiz 3  
Special Project M910A  
TEST

Quiz 2  
10 Defined Terms: Definitions  
Quiz 3  
11 Geometric Postulates  
12 Review of Algebraic Postulates  
13 Geometric Theorems  
14 Review of Properties of Algebra  
Quiz 4  
Special Project M1001A  
TEST

## Mathematics 10 (Geometry)

Math 1000 is a full-year math course covering the traditional material of high school geometry. This course continues students' mathematical growth by strongly focusing on the skills and methods of geometry. In it, students will gain solid experience with geometric calculations, coordinate plane graphing, methods of formal proof, and techniques of construction. This course presents instruction under the spiral method, with regular review and reinforcement of previous content.

By the end of the course, students will be expected to:

- Understand defined terms, axioms, postulates, and theories
- Apply rules of formal logic and construct proofs in two-column format
- Know how to solve for angles given parallels, perpendiculars, and transversals
- Demonstrate how to solve for sides and angles of triangles
- Understand trigonometric ratios and how to use them to solve for unknown sides
- Be able to determine arcs, chords, and sectors of circles
- Calculate perimeter, area, and volume of figures and solids
- Graph lines and determine slopes, midpoints, and distances
- Make geometric constructions on paper
- Represent results of motion geometry (translation, rotation, reflection, dilation)

### MATHEMATICS 1001—INTRODUCTION (GEOMETRY)

1 You and the World  
2 Nature of Mathematics  
3 The History of Geometric Mathematics  
4 Geometry's Effect on Me  
5 Mathematic System: Set Theory Review  
6 Mathematic System: Operations with Sets  
Quiz 1  
7 Geometry Undefined Terms: Points  
8 Geometry Undefined Terms: Lines  
9 Geometry Undefined Terms: Planes

### MATHEMATICS 1002—GEOMETRY

1 Logic and Reasoning  
2 History of Logic and Reasoning  
Quiz 1  
3 Logic  
4 Conjunctions  
5 Disjunctions  
6 Negation  
7 Conditional or Implication Statements  
8 Converse, Inverse, Contra Positive  
Quiz 2  
9 Reasoning - Inductive  
10 Reasoning - Deductive  
11 Using Deductive Reasoning  
Quiz 3  
12 Proof Formats: Statement of the Theorem  
13 Proof Formats: The Figure  
14 Proof Formats: The Given Information  
15 Proof Formats: To Prove Statement  
16 Proof Formats: The Plan of the Proof  
17 Indirect Proof Format: The Paragraph Proof  
Quiz 4  
Special Project M1002A  
Test

### MATHEMATICS 1003—GEOMETRY (GEOMETRY)

1 Angle Definitions  
2 Angle Measurement  
Quiz 1  
3 Relationship Definitions  
4 Angle Relationship Theorems (1)  
5 Angle Relationship Theorems (2)  
Quiz 2  
6 Construction: Copying Figures  
7 Construction: Bisecting Figures  
8 Basic Properties of Parallels  
9 Transversals and Special Angles  
10 Proofs: Transversals and Special Angles (1)  
11 Proofs: Transversals and Special Angles (2)  
12 More Proofs for Postulates 9 and 10  
Quiz 3  
13 Constructions: Perpendiculars

14 Constructions: Tangents to Circle  
15 Constructions: Parallels  
16 Classifying Triangle by Sides and Angles  
17 Exterior/Remote Interior Angles of Triangle  
18 Proofs Involving Triangles  
19 Other Sundry Polygons  
Quiz 4  
Special Project M1003A  
Test

**MATHEMATICS 1004—CONGRUENT  
TRIANGLES AND QUADRILATERALS  
(GEOMETRY)**

1 Defining Congruent Triangles  
2 Triangles: Proving Triangles Congruent Part1  
3 Triangles: Proving Triangles Congruent Part2  
4 Proving Right Triangles Congruent  
Quiz 1  
5 Corres. Parts: Independent Triangles Part1  
6 Corres. Parts: Independent Triangles Part2  
7 Corres. Parts: Overlapping Triangles Part1  
8 Corres. Parts: Overlapping Triangles Part2  
9 Corres. Parts: Isosceles Triangles Part1  
10 Corres. Parts: Isosceles Triangles Part2  
11 Construction of Triangles 30-60-90  
12 Construction of Triangles 45-45-90  
Quiz 2  
13 Inequality Theorem in One Triangle Part1  
14 Inequality Theorem in One Triangle Part2  
15 Inequalities in Two Triangles  
16 Quadrilateral Parallelograms Theorems Part1  
17 Quadrilateral Parallelograms Theorems Part2  
Quiz 3  
18 Triangles that Use Parallelograms in Proofs  
19 Parallelograms: Rectangles  
20 Parallelograms: Rhombus  
21 Trapezoids-Definitions and Proofs  
Quiz 4  
Special Project M1004A  
TEST

**MATHEMATICS 1005—GEOMETRY  
(GEOMETRY)**

1 Algebra  
Properties and Ratios  
2 Algebra Properties and Proportions  
3 Properties of Proportions  
Quiz 1  
4 Meaning of Similarity  
5 Meaning of Similarity-Theorems  
6 Meaning of Similarity-Proofs  
7 Theorems-Similar Polygons  
8 Theorems-Special Segments in Triangles  
9 The Similar Right Triangles

10 The Pythagorean Theorem  
11 Theorem about 30-60-90 Right Triangles  
12 Theorem about 45-45-90 Right Triangles  
Quiz 2  
13 Using Triangles: Rectangular Solids  
14 Using Triangles: Regular Square Pyramid  
15 Trigonometry-Sine Ratio  
16 Trigonometry-Cosine Ratio  
17 Trigonometry-Tangent Ratio  
18 Using Similar Triangles in Indirect Measure  
19 Using Trigonometry in Indirect Measure  
Quiz 3  
Special Project M1005A  
Test

**MATHEMATICS 1006—GEOMETRY: CIRCLES  
(GEOMETRY)**

1 Characteristics of Circles  
2 Characteristics of the Sphere  
Quiz 1  
3 Tangents  
4 Arcs  
5 Chords  
6 Theorems  
7 Theorems  
Quiz 2  
8 Special Angles Type 1  
9 Special Angles Type 2  
10 Special Angles Type 3  
11 Special Segments  
Quiz 3  
12 Construction Circles  
Special Project M1006A  
TEST

**MATHEMATICS 1007—GEOMETRY: AREA AND  
VOLUME (GEOMETRY)**

1 Area Concepts of Polygons  
2 Rectangles are Polygons  
3 Parallelograms are Polygons  
4 Triangles are Polygons  
5 Trapezoids are Polygons  
6 Regular Polygons  
7 Area Comparison of Polygons  
Quiz 1  
8 Construction of Polygons  
9 Circles: Circumference and PI  
10 Circles: Area of Circles  
11 Circles: Area of Sectors  
12 Circles: Area of Segments  
Quiz 2  
13 Solids: Prisms  
14 Solids: Pyramids  
15 Solids: Cylinders

16 Solids: Cones  
17 Solids: Spheres  
Quiz 3  
18 Construction: Dividing a Segment  
19 Construction: 4th Proportion  
20 Construction: Geometric Mean  
Special Project M1007A  
TEST

**MATHEMATICS 1008—COORDINATE  
GEOMETRY  
(GEOMETRY)**

1 Ordered Pairs: Points in a Plane  
2 Graphics of Algebraic Conditions  
Quiz 1  
3 Distance: Formula  
4 Distance: Equations of a Circle  
5 Distance: Midpoint Formula  
Quiz 2  
6 Lines: Slope  
7 Lines: Parallelogram and Perpendicular Lines  
8 Equations of Lines  
Quiz 3  
9 Proofs by Coordinate Method: Figures  
10 Proofs by Coordinate Method: Applications  
11 Proofs by Coordinate Method Continued  
Quiz 4  
Special Project M1008A  
TEST

**MATHEMATICS 1009—GEOMETRY:  
TRANSFORMATIONS (GEOMETRY)**

1 Introduction-Rigid Motion  
2 Isometry-Reflection  
3 Isometry-Translation  
4 Isometry-Rotation  
Quiz 1  
5 Congruence and Similarity-Dilation  
6 Product Transformation  
7 Inverse and Identity Transformation  
8 Symmetry  
Quiz 2  
Special Project M1009A  
TEST

**MATHEMATICS 1010—GEOMETRY REVIEW  
(GEOMETRY)**

1 History of Geometry  
2 Geometry as a System  
3 Geometry Proofs  
4 Angle Relationships and Parallel  
Quiz 1  
5 Congruent Triangles and Quadrilaterals  
6 Similar Polygons

7 Circle  
Quiz 2  
8 Area and Volume  
9 Coordinate Geometry  
Quiz 3  
Special Project M1010A  
TEST

**Mathematics 11 (Algebra II)**

Math 1100 is a full-year math course covering the traditional material of second year high school algebra. This course continues students' mathematical growth by strongly focusing on the skills and methods of advanced algebra. In it, students will gain solid experience with algebraic techniques and methods and develop their understandings of both advanced number theory and pre-calculus theories. This course also integrates geometric concepts and skills throughout the units as well as introduces students to trigonometry. It presents instruction under the spiral method, with regular review and reinforcement of previous content.

By the end of the course, students will be expected to:

- Understand set notation and the structure of mathematical systems
- Know how to use functional notation and operations on functions
- Solve algebraic fractions
- Perform operations on polynomials, including factoring and synthetic division
- Solve algebraic word problems involving mixtures, money, integers, and work
- Evaluate and solve radical expressions and equations
- Solve systems of equations with graphing, substitution, and matrices
- Graph and solve quadratic equations, including conic sections
- Graph and solve exponential and logarithmic equations
- Calculate permutations, combinations, and complex probabilities

**MATHEMATICS 1101—SET, STRUCTURE, AND  
FUNCTION (ALGEBRA II)**

1 Properties of Sets  
2 Operations of Sets  
Quiz 1  
3 Structure: Axioms  
4 Structure: Applications

5 Relations and Functions: Definitions  
6 Relations and Functions: Graphs  
7 Relations and Functions: Function Notation  
8 Relations and Functions: Inverses  
Quiz 2  
9 Algebraic Expressions: Exponents Part 1  
10 Algebraic Expressions: Exponents Part 2  
11 Multiplication and Division Part 1  
12 Multiplication and Division Part 2  
13 Exponents of Exponential Expressions  
14 Algebraic Expressions: Combining Terms  
Quiz 3  
Special Project M1101A  
TEST

**MATHEMATICS 1102—NUMBERS, SENTENCES,  
AND PROBLEMS (ALGEBRA II)**

1 Number Order and Absolute Value  
2 Sums and Products  
Quiz 1  
3 Solving Equations  
4 Multiplication Property  
5 Multi-step Equations  
6 Equations with Parenthesis  
7 Literal Expressions  
8 Solving Inequalities  
9 Graphing Solutions Sets for Inequalities  
10 Compound Sentences  
Quiz 2  
11 Number Problems  
12 Motion Problems  
13 Miscellaneous Problems  
Quiz 3  
Special Project M1102A  
TEST

**MATHEMATICS 1103—LINEAR EQUATIONS  
AND INEQUALITIES (ALGEBRA II)**

1 Line Graphs  
2 Line Graphs by Two Points  
3 Slope of Lines  
4 Slope of Lines Part 2  
5 Equations: Point Slope Part 1  
6 Equations: Point Slope Part 2  
7 Equations: Point Slope Part 3  
8 Equations: Slope-Intercept  
9 General Equation of a Line  
Quiz 1  
10 Solutions for Systems of Equations  
11 Solutions by Addition  
12 Solutions by Multiplication and Addition  
13 Solutions by Substitution  
14 Application of Systems of Equations  
Quiz 2

15 Solving Inequalities  
16 Solving Two-order Inequalities  
Quiz 3  
Special Project M1103A  
TEST

**MATHEMATICS 1104—POLYNOMIALS  
(ALGEBRA II)**

1 Products and Factoring  
2 Multiplying Polynomials  
3 Using Special Products Part 1  
4 Using Special Products Part 2  
5 Factoring Trinomials  
6 Factoring Special Products Part 1  
7 Factoring Special Products Part 2  
Quiz 1  
8 Addition and Subtraction Operation  
9 Division With Polynomials  
10 Synthetic Division  
Quiz 2  
11 Direct Variation  
12 Inverse Variation  
13 Joint and Combined Variation  
Quiz 3  
Special Project M1104A  
TEST

**MATHEMATICS 1105—ALGEBRAIC FRACTIONS  
(ALGEBRA II)**

1 Multiplying and Dividing with Fractions  
2 Reducing Rational Expressions  
3 Multiplying Algebraic Fractions  
4 Dividing Algebraic Fractions  
Quiz 1  
5 Adding and Subtracting Algebraic Fractions  
6 Addition and Subtraction  
7 Mixed Expressions and Complex Fractions  
Quiz 2  
8 Equations with Fractions  
9 Fractional Equations  
10 Proportions  
Quiz 3  
11 Applications of Fractions  
12 Mixture Problems  
13 Work Problems  
Quiz 4  
Special Project M1105A  
TEST

**MATHEMATICS 1106—REAL NUMBERS  
(ALGEBRA II)**

1 Real Numbers  
2 Law of Radicals  
3 Conjugates

4 Radical Equations  
Quiz 1  
5 Quadratic Equations  
6 Factoring Quadratic Equations  
7 Completing the Square  
Quiz 2  
8 Quadratic Formula  
9 Word Problems Using the Quadratic Formula  
10 Sum and Product of Roots  
11 The Discriminant  
12 Imaginary Numbers  
Quiz 3  
Special Project M1106A  
TEST

**MATHEMATICS 1107—QUADRATIC  
RELATIONS AND SYSTEMS (ALGEBRA II)**

1 Distance Formula  
2 Circle  
3 Ellipse  
4 Ellipse Continued  
Quiz 1  
5 Conic Sections: Parabola  
6 Conic Sections: Parabola Continued  
7 Conic Sections: Hyperbola  
8 Conic Sections: Hyperbola Continued  
9 Identifying Conic Sections  
Quiz 2  
10 Systems of Equations  
11 Systems of Inequalities  
12 Applications of Conic Sections  
13 Applications Continued  
14 Applications Continued Again  
15 Constant Proportionality  
Quiz 3  
Special Project M1107A  
TEST

**MATHEMATICS 1108—EXPONENTIAL  
FUNCTIONS  
(ALGEBRA II)**

1 Exponential Functions  
2 Fractional Exponents  
3 Exponential Equations  
4 Graphing Exponential Functions  
5 Exponential Applications  
Quiz 1  
6 Logarithmic Functions  
7 Evaluation of Logarithms  
8 Mantissas  
9 General Properties of Logarithms  
10 Scientific Notation  
11 Calculation of Common Logarithms  
12 Graphs of Logarithmic Functions

13 Computation with Logarithms  
14 Logarithmic Applications  
Quiz 2  
15 Matrices  
16 System Solutions with Matrices  
17 Addition and Multiplication of Matrices  
18 Interpretations Using Matrices  
Quiz 3  
Special Project M1108A  
TEST

**MATHEMATICS 1109—COUNTING PRINCIPLES  
(ALGEBRA II)**

1 Progressions: Sequences  
2 Progressions: Series  
Quiz 1  
3 Permutations: Factorials  
4 Permutation Formula  
5 Permutations: Applications  
Quiz 2  
6 Combination Formula  
7 Combination: Applications  
8 Binomial Coefficients  
Quiz 3  
9 Probability: Concepts  
10 Probability: Equally Likely Outcomes  
11 Probability: Multiplication Principle  
12 Conditional Probability  
Quiz 4  
Special Project M1109A  
TEST

**MATHEMATICS 1110—REVIEW (ALGEBRA II)**

2 Integers Continued  
3 Open Sentences  
4 Open Sentences Continued  
5 Graphs  
6 Graphs Continued  
Quiz 1  
7 Polynomials  
8 Polynomials Continued  
9 Algebraic Fractions Part 1  
10 Algebraic Fractions Part 2  
11 Algebraic Fractions Part 3  
12 Real Numbers  
13 Real Numbers Continued  
Quiz 2  
14 Quadratic Relations and Systems  
15 Quadratics Continued  
16 Exponential Functions  
17 Exponential Functions Continued  
18 Counting Principles  
19 Counting Principles  
Quiz 3

Special Project M1110A  
TEST

## Mathematics 12 (Precalculus)

Math 1200 is a full-year math course covering the material of the traditional high school pre-calculus course. This course continues students' mathematical growth by strongly focusing on the skills and methods of analytic geometry and trigonometry. In it, students will gain solid experience with algebraic techniques and methods, learn more about advanced number theory, and be introduced to basic calculus. This course also covers probability concepts, including permutations and combinations. It presents instruction under the spiral method, with regular review and reinforcement of previous content.

By the end of the course, students will be expected to:

- Perform operations on functions including composition and inverses
- Graph exponential and logarithmic functions
- Graph trigonometric functions and their inverses
- Prove trigonometric identities
- Solve application problems involving law of sines and cosines
- Graph equations in polar coordinates
- Convert between Cartesian and polar forms
- Graph and solve quadratic equations that include conic sections
- Calculate probabilities, combinations, and permutations
  - Calculate summations and limits of functions

### MATHEMATICS 1201—RELATIONS AND FUNCTIONS (PRECALCULUS)

1 Ordered-Pair Numbers: Relations  
2 Ordered-Pair Numbers: Functions  
3 Ordered-Pair Numbers: Rules of Corres.  
Quiz 1  
4 Algebra of Functions: Notation  
5 Algebra of Functions: Arithmetic  
6 Algebra of Functions: Composition  
7 Algebra of Functions: Inverse  
Quiz 2  
Special Project M1201A  
TEST

### MATHEMATICS 1202—FUNCTIONS (PRECALCULUS)

1 Linear Functions: Graphs  
2 Linear Functions: Equations  
Quiz 1  
3 2nd-Degree Functions: Solutions  
4 Relationships Between Zeros and Coefficients  
5 Quadratic Inequalities  
Quiz 2  
6 Polynomial Functions  
7 Nth-Degree Equations  
Quiz 3  
8 Greatest Integer Function  
9 Exponential Function  
10 Logarithmic Function  
11 Function Combinations  
Quiz 4  
Special Project M1202A  
TEST

### MATHEMATICS 1203—TRIGONOMETRIC FUNCTIONS (PRECALCULUS)

1 Definition of the Trigonometric Functions  
Quiz 1  
2 Evaluation of Functions  
Quiz 2  
3 Angle Location  
Quiz 3  
4 Reduction Formulas  
Quiz 4  
5 Quadrantal Angles  
Quiz 5  
6 Special Angles  
Quiz 6  
7 Radian Measure  
Quiz 7  
Special Project M1203A  
TEST

### MATHEMATICS 1204—CIRCULAR FUNCTIONS AND THEIR GRAPHS (PRECALCULUS)

1 The Circular Functions  
Quiz 1  
2 Circular Functions of Special Angles  
Quiz 2  
3 Graphs of Sin and Cos  
Quiz 3  
4 Other Graphs  
Quiz 4  
5 Applications  
Quiz 5  
6 Amplitude of Circular Functions  
Quiz 6  
7 Period of Circular Functions

Quiz 7  
8 Phase Shift of Circular Functions  
Quiz 8  
Special Project M1204A  
TEST

**MATHEMATICS 1205—IDENTITIES AND  
FUNCTIONS OF MULTIPLE ANGLES  
(PRECALCULUS)**      1 Reciprocal Relations

Quiz 1  
2 Pythagorean Relations  
Quiz 2  
3 Quotient Relations  
Quiz 3  
4 Trigonometric Identities  
Quiz 4  
5 Cosine of the Sum of Two Angles  
Quiz 5  
6 Additional Sum and Difference Formulas  
Quiz 6  
7 Double-and Half-Angle Formulas  
Quiz 7  
8 Identities  
Quiz 8  
9 Trigonometric Equations  
Quiz 9  
Special Project M1205A  
TEST

**MATHEMATICS 1206—APPLICATION OF  
TRIGONOMETRIC FUNCTIONS  
(PRECALCULUS)**

1 Trigonometric Functions of any Angle  
Quiz 1  
2 More Trigonometric Functions of Any Angle  
Quiz 2  
3 Applied Problems  
4 Law of Cosines  
Quiz 3  
5 Law of Sines  
Quiz 4  
6 More Applications  
Quiz 5  
7 Inclined Plane Application 1  
8 Navigation Application 2  
Quiz 6  
Special Project M1206A  
TEST

**MATHEMATICS 1207—INVERSE  
TRIGONOMETRIC FUNCTIONS AND POLAR  
COORDINATES  
(PRECALCULUS)**

1 The Inverse Sin Function

Quiz 1  
2 The Inverse Cos Function  
Quiz 2  
3 The Inverse Tan Function  
Quiz 3  
4 Other Inverse Functions  
Quiz 4  
5 Graphs of Inverse Functions  
Quiz 5  
6 Graphing Polar Coordinates  
Quiz 6  
7 Converting Coordinates  
Quiz 7  
8 Conv. Cartesian Equat. to Polar Equat.  
Quiz 8  
9 Conv. Polar Equat. to Cartesian Equat.  
Quiz 9  
10 Graphing Polar Equations  
Quiz 10  
Special Project M1207A  
TEST

**MATHEMATICS 1208—QUADRATIC  
EQUATIONS  
(PRECALCULUS)**

1 The Circle  
2 The Circle Continued  
3 Equation From Three Points  
4 Equation From Three Points Applied  
5 The Ellipse  
6 The Ellipse: Standard Form  
7 The Ellipse: General Form  
8 The Ellipse Applied  
Quiz 1  
9 The Parabola  
10 The Parabola Continued  
11 The Parabola: Standard Form  
12 The Parabola Applied  
13 The Hyperbola  
Quiz 2  
14 Translation  
15 Translation of Equations  
16 Rotation  
17 Rotation of Equations  
Quiz 3  
Special Project M1208A  
TEST

**MATHEMATICS 1209—PROBABILITY  
(PRECALCULUS)**

1 Definitions, Sample Spaces, and Probability  
2 Addition of Probabilities  
3 Multiplication of Probabilities  
Quiz 1

4 Definitions  
5 Permutation of N Things: Different  
6 Permutation of N Things: Not All Different  
7 Circular Permutations  
8 Combinations  
Quiz 2  
Special Project M1209A  
TEST

**MATHEMATICS 1210—CALCULUS AND  
REVIEW  
(PRECALCULUS)**

1 Summation  
2 Proofs by Mathematical Induction  
Quiz 1  
3 Functional Notation  
4 Difference Quotient  
5 Limits  
Quiz 2  
6 Slope of a Line  
7 Slope of a Curve  
Quiz 3  
8 Review Mathematics 1201 and 1202  
9 Review Mathematics 1203 and 1204  
10 Review Mathematics 1205 and 1206  
11 Review Mathematics 1207 and 1208  
12 Review Mathematics 1209 and 1210  
Quiz 4  
Special Project M1210A  
TEST

## Consumer Math

Consumer Math is an introduction to the many ways in which math can be used in everyday life. It gives practical advice on how to handle situations that involve money and math-related subjects. With its combination of math content and real-world focus, this course can be used to fulfill not only some math credit requirements but also some social studies requirements.

Consumer Math continues students' mathematical growth by strongly focusing on the basic skills and methods of arithmetic. In it, students will also gain solid experience with algebraic techniques of evaluating variables and equations, including geometric formulas and interest equations, as well as gain advanced exposure to statistical concepts and measurements. This course presents instruction under the spiral method, with regular review and reinforcement of previous content.

By the end of the course, students will be expected to:

- Use basic math operations on fractions, decimals, and percents
- Interpret graphs and charts
- Understand sets and basic set theory
- Calculate simple probabilities
- Calculate statistical measures of variation
- Use similarity and right triangle ratios for indirect measurement
- Calculate taxes, discounts, and interest amounts
- Apply math to everyday concerns as well as the realms of business and government

**CONSUMER MATH 0101—BASIC MATH  
REVIEW**

1 Introduction  
2 Number Skills  
3 Using Signs  
4 A Consumer Application  
5 Division Review  
Quiz 1  
6 Prime Numbers and Factors  
7 Factors and Products  
8 Fractions, LCM, and GCF  
9 Fractions  
Quiz 2  
10 Adding and Subtracting Fractions  
11 Multiplying and Dividing Fractions  
12 Operations with Mixed Numbers  
13 Consumer Applications  
Quiz 3  
14 Bases, Decimals, A Ratio Scale  
15 Operations and Decimals  
16 Consumer Application, Metrics  
Quiz 4  
17 Per Cent  
18 Base, Rate, Percentage  
19 Problem Solving  
Quiz 5  
20 Mental Problem Solving  
21 Final Review  
Special Project CM0101A  
TEST

**CONSUMER MATH 0102—PERSONAL  
FINANCE**

1 Money  
2 Finding a Job  
3 Job Skills and Standard Units  
4 Job Skills and Metric Units  
5 Converting Systems  
Quiz 1

6 Part- and Full-Time Jobs  
7 Wages  
8 Payroll  
9 Payroll Deductions  
10 Other Deductions  
Quiz 2  
11 Self-Employment, Piecework  
12 Commission and Tips  
13 Retirement Planning  
Quiz 3  
14 Review Story Problems  
Special Project CM0102A  
TEST

### **CONSUMER MATH 0103—STATISTICS**

1 Home Budget  
2 Organizing Data  
3 Sets and Probability (I)  
4 Sets and Probability (II)  
5 Representing Data  
Quiz 1  
6 Preparing a Cash Budget  
7 Using Records in Planning  
8 A Home-Business Application  
Quiz 2  
9 Planning With Measures of Variations  
Project CM0103A-Using Statistics  
10 Using the Standard Normal Distribution  
11 Z-Scores and the Normal Distribution  
Quiz 3  
12 Sampling and Estimation  
13 A Balance Sheet  
Quiz 4  
14 Confidence Intervals  
Special Project CM0103B  
TEST

### **CONSUMER MATH 0104—TAXES AND INSURANCE**

1 Life Insurance  
2 Premiums  
3 Insurance Loans and Cash Value  
4 Health Insurance  
Project CM0104A-Insurance  
5 Other Insurance  
Quiz 1  
6 Taxes, Federal 1040  
7 Taxes: FICA  
8 State Taxes  
Quiz 2  
9 Local Taxes  
10 Other Taxes  
Quiz 3  
11 Review

Special Project-CM0104B  
TEST

### **CONSUMER MATH 0105—BANKING SERVICES AND INVESTMENTS**

1 Selecting a Bank  
2 Types of Accounts  
3 Savings Accounts  
Quiz 1  
4 Reconciling Statements  
5 ATMs  
6 Simple and Compound Interest  
7 Other Services  
Quiz 2  
8 Financial Planning  
9 Stocks  
10 Bonds  
11 Mutual Funds  
Quiz 3  
12 Wills and Estates  
Project CM0105A-Wills  
13 Distributing an Estate  
Quiz 4  
14 Review  
Special Project CM0105B  
TEST

### **CONSUMER MATH 0106—BANKING AND CREDIT COSTS**

1 Overdraft Protection  
2 Financing Large Purchases  
3 Interest-First Loans  
4 Installment Loans  
Quiz 1  
5 The Annual Percentage Rate  
6 Automobile Loans  
7 Mortgages  
Quiz 2  
8 Sequences, The Rule of 78  
9 Credit  
10 Credit Card Purchases  
Quiz 3  
11 Review  
Special Project CM0106A  
TEST

### **CONSUMER MATH 0107—PURCHASE AND SALE OF GOODS**

1 Purchasing and Variables  
2 Discounts  
3 More Discounts  
4 Markup  
Quiz 1  
5 Graphs and Trends

6 Cost Per Unit  
Project CM0107A-Buying Equipment  
7 Tables As Variables  
Quiz 2  
8 Graphs, Functions, Slope  
Project CM0107B-Data Summaries  
9 A Comparison Technique  
Quiz 3  
10 Tabular Data Interpretation  
11 Depreciation Trends  
12 Buy, Lease, Rent (I)  
13 Buy, Lease, Rent (II)  
14 Advertisements  
Quiz 4  
15 Final Review  
Special Project CM0107C  
TEST

### **CONSUMER MATH 0108—LEISURE, TRAVEL, AND RETIREMENT**

1 Leisure  
2 Free Activities  
3 Hobbies  
4 Angles  
5 Outdoor Activities  
6 Transportation and Travel  
Quiz 1  
7 Physical Fitness  
8 Vacations  
Quiz 2  
9 Retirement  
10 Comparing Travel-Cost Benefits  
Project CM0108A-Constructions  
Quiz 3  
11 Final Review  
Special Project CM0108B  
TEST

### **CONSUMER MATH 0109—JOB-RELATED SERVICES**

1 Ratio and Proportion  
2 Food Services  
3 Personal-Appearance Services  
4 Pricing of Services  
5 Perimeter and Area  
Quiz 1  
6 Facility-Capacity Estimation  
7 Applications  
8 Circles  
9 Area Applications  
Quiz 2  
10 Solid Figures With Plane Boundaries  
11 Solid Figures With Curved Boundaries  
12 More Problems and Review

13 Architects and Interior Design  
Quiz 3  
14 Geometry and Indirect Measure  
15 Operations and Decimals  
Quiz 4  
16 Final Review  
Special Project CM0109A  
TEST

### **CONSUMER MATH 0110—CONSUMER MATH REVIEW**

1 Basic Math Review (I)  
2 Basic Math Review (II)  
3 Measurement Review  
4 Personal Finance Review (I)  
5 Personal Finance Review (II)  
Quiz 1  
6 Budgeting Review (I)  
7 Budgeting Review (II)  
8 Review Insurance  
9 Review Taxes  
Quiz 2  
10 Review Banking and Investment (I)  
11 Review Banking and Investment (II)  
12 Review Banking and Credit Costs  
13 Review Banking and Credit Costs  
Quiz 3  
14 Review Purchase and Sale of Goods  
15 Review Purchase and Sale of Goods  
16 Review Travel  
Quiz 4  
17 Review Leisure and Retirement  
18 Review Geometry  
19 Review Job Related Services  
Quiz 5  
20 Extra Practice  
21 Final Review  
Special Project CM0101A  
TEST

## **Science 9**

Science 900 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 600-800 courses, providing a set of basic scientific skills and a broad survey of the major areas of science, including the health, earth, space, and physical sciences. It also seeks to hone students' observational skills through experimentation and projects, preparing students for higher levels of science.

Upon completion of the course, students should be able to:

- Use their main senses for observation of the world around them
- Describe the atomic structure of different elements
- Calculate and measure volume, mass, and density for different objects
- Identify different types of geological changes
- Discuss how the layers of the earth's crust can show history
- Describe the different parts of the ocean, both living and non-living
- Explain the differences in the stars and constellations
- Distinguish between bacterial infections, viral infections, and other types of infections
- Develop a plan to prevent and treat common diseases through proper health
- Demonstrate an understanding of the resources of the earth and what is needed to conserve those resources

#### **SCIENCE 901—OUR ATOMIC WORLD**

- 1 Structure of Matter  
Quiz 1
- 2 Radioactivity  
Quiz 2
- 3 Atomic Nuclei  
Quiz 3
- 4 Nuclear Energy  
Experiment S901A-Reactors  
Quiz 4
- 5 Applications and Environmental Hazards  
Quiz 5  
Special Project S901B  
TEST  
ALTERNATE TEST

#### **SCIENCE 902—VOLUME, MASS, AND DENSITY**

- 1 Volume  
Experiment S902A-Determining Volume  
Quiz 1
- 2 Mass  
Experiment S902B-Mass of Gas  
Quiz 2
- 3 Density  
Quiz 3

Special Project S902C  
TEST  
ALTERNATE TEST

#### **SCIENCE 903—PHYSICAL GEOLOGY**

- 1 Earth Structures
- 2 Internal Structures
- 3 Igneous Structures  
Essay S903A-Volcanic Eruptions
- 4 Mountains  
Quiz 1
- 5 Earth Changes
- 6 Erosion and Sediment
- 7 Oceans  
Quiz 2
- 8 Earth Movements  
Experiment S903B-Specific Gravity  
Experiment S903C-Gravity
- 9 Plate Tectonics  
Quiz 3  
Special Project S903D  
TEST  
ALTERNATE TEST

#### **SCIENCE 904—HISTORICAL GEOLOGY**

- 1 An Observational Science
- 2 Sedimentary Rock
- 3 Fossils
- 4 Crustal Changes  
Quiz 1
- 5 Measuring Time
- 6 Absolute Time  
Quiz 2  
Special Project S904A  
TEST

#### **SCIENCE 905—OCEANOGRAPHY**

- 1 Chronology and Techniques for Investigation  
Research
- 2 Major Discoveries and Submersible  
Essay S908A-The Moon and Tides  
Quiz 1
- 3 Geological Structure and Results of Profiling
- 4 Turbidity, Sedimentation, and Currents  
Quiz 2
- 5 Biology of the Ocean
- 6 Chemistry of the Ocean
- 7 Physical Properties of the Ocean  
Essay S908B-Marine Report  
Quiz 3  
Special Project S908C  
TEST

ALTERNATE TEST

**SCIENCE 906—ASTRONOMY**

- 1 Presuppositions
- 2 Extent of the Universe
- 3 Constellations
- 4 Measuring the Universe
- Quiz 1
- 5 Gathering Light and Types of Telescopes
- 6 Other Types of Telescopes
- Essay S907A-Telescopes
- Quiz 2
- 7 Space Explorations
- Quiz 3
- Special Project S907B
- TEST
- ALTERNATE TEST

**SCIENCE 907—BODY HEALTH (PART 1)**

- 1 Microorganisms
- 2 Categories of Pathogenic Organisms
- 3 Characteristics of Infectious Diseases
- Essay S905A-Medical Science
- Quiz 1
- 4 Digestive Infections
- 5 Respiratory Infections
- 6 Nervous System Infections
- Quiz 2
- 7 Common Viral Infections
- 8 Childhood Viral Infections
- 9 More Serious Viral Infections
- Quiz 3
- 10 Protozoan Infections
- 11 Rickettsial Infections
- 12 Fungal Infections
- Quiz 4
- Special Project S905B
- TEST
- ALTERNATE TEST

**SCIENCE 908—BODY HEALTH (PART 2)**

- 1 Body Defense Mechanisms
- 2 Medical Drugs
- Essay S906A-Chemotherapy
- Quiz 1
- 3 Environmental Conditions
- 4 Medical Advances and Total Health
- Quiz 2
- 5 Governmental Agencies and Volunteer  
Groups
- 6 Medical and Drug Control Organs
- Quiz 3
- Special Project S906B
- TEST

ALTERNATE TEST

**SCIENCE 909—SCIENCE AND TOMORROW**

- 1 Ecology
- 2 Agriculture and Waste
- 3 Population
- Quiz 1
- 4 Energy Sources
- 5 Debate: Fossil Fuels, Nuclear/Natural  
Power
- 6 Industry, Transportation, and  
Urbanization
- Quiz 2
- 7 Outer Space
- 8 Inner Space and Self Exploration
- Quiz 3
- Special Project S909A
- TEST
- ALTERNATE TEST

**SCIENCE 910—REVIEW**

- 1 The Metric System
- 2 Weight Versus Mass
- Quiz 1
- 3 Practical Health
- Quiz 2
- 4 Deposition Versus Erosion
- 5 The Oceans, Continents; Earth in Space
- Quiz 3
- 6 Nuclear Power
- 7 Population and Environment
- Quiz 4
- Special Project S910A
- TEST
- ALTERNATE TEST

## Science 10 (Biology)

Science 1000 is a general Biology course intended to expose students to the designs and patterns of living organisms that have been created by God. This course focuses on chemical, cellular, and genetic bases of life as well as the processes of life. It also further develops course concepts by helping students utilize the skills of experimentation, observation, and critical thinking.

Science 1000 should be preceded or accompanied by an Algebra I course, such as SOS Math 900.

Upon completion of the course, students should be able to:

- Classify different animals using taxonomy
- Demonstrate a knowledge of molecular structure as it relates to organic compounds
- Utilize a microscope to study microscopic organisms
- Describe cells, their different parts, and the function of a cell
- Discuss the different parts of a plant
- Describe and explain the function of each system in the human body
- Perform Punnett square functions to determine probability of inheritance
- Differentiate between mitosis and meiosis and between asexual and sexual reproduction
- Understand the impact man has on the environment

### **SCIENCE 1001—TAXONOMY: KEY TO ORGANIZATION**

- 1 The History of Taxonomy  
Quiz 1
- 2 Binomial Nomenclature
- 3 Concept of Species  
Quiz 2
- 4 Plant and Animal Classification  
Experiment S1001A-Fruit  
Activity S1001B-Keying Plants  
Activity S1001C-Keying Animals
- 5 Search For A System  
Quiz 3
- 6 Taxonomy and Origins
- 7 Models of Origin  
Project S1001D-Research  
Project S1001E-Origins  
Quiz 4  
Special Project S1001F  
TEST  
ALTERNATE TEST

### **SCIENCE 1002—BASIS OF LIFE**

- 1 Molecular Basis of Life  
Quiz 1
- 2 Properties of Compounds  
Experiment S1002A-Static Electricity
- 3 Covalent Bonding  
Experiment S1002B-Temperature
- 4 Importance of Inorganic Compounds  
Experiment S1002C-Water Properties  
Experiment S1002D-Indicators

### Quiz 2

5 Chemical Reactions

### Quiz 3

6 Organic Compounds

7 Carbohydrates

Experiment S1002E-Starch

8 Lipids

9 Nucleic Acids

### Quiz 4

10 Enzymes

Experiment S1002F-Digestion

### Quiz 5

Special Project S1002G

TEST

ALTERNATE TEST

### **SCIENCE 1003—MICROBIOLOGY**

1 Microbial Taxonomy

2 The Microscope

Experiment S1003A-Microscope

### Quiz 1

3 Protista: The Protozoa

Experiment S1003B-Protozoan

Experiment S1003C-Amoeba

4 Flagellated Protozoa

Experiment S1003D-The Euglena

5 Economic Significance of the Protozoa

### Quiz 2

6 Protista: The Algae

Experiment S1003E-Algae

Project S1003F-Water Investigation

7 Protista: Fire Algae

### Quiz 3

8 The Fungi

Experiment S1003G-Fungi

9 The Monera

10 The Rickettsias

Experiment S1003H-Algae Observations

### Quiz 4

Special Project S1003I

TEST

ALTERNATE TEST

### **SCIENCE 1004—CELLS**

1 The Cell-An Introduction

Experiment S1004A-Cheek Cells

Experiment S1004B-Onion Cells

### Quiz 1

2 Cell Design

3 Cell Membrane Function

Experiment S1004C-Osmosis

4 Organelles

5 Production of Needed Material

### Quiz 2

6 Cells in Organisms  
Experiment S1004D-Tissues  
Quiz 3  
Special Project S1004E  
TEST  
ALTERNATE TEST

**SCIENCE 1005—PLANTS: GREEN FACTORIES**

1 How is a Plant Made?  
2 Parts of the Plant Cell  
3 Anatomy and Morphology  
Quiz 1  
4 How do Plants Grow?  
Experiment S1005A-Seeds  
5 Developmental Anatomy  
Quiz 2  
6 How do Plants Work?  
7 Photosynthesis: A Closer Look  
Experiment S1005B-Terrarium  
8 Respiration  
Quiz 3  
9 How do Plants Help People?  
Quiz 4  
Special Project S1005C  
TEST  
ALTERNATE TEST

**SCIENCE 1006—HUMAN ANATOMY AND PHYSIOLOGY**

1 Digestive System  
2 Excretory System  
3 Respiratory System  
4 Circulatory System  
5 The Heart  
Experiment S1006A-Heart Rate  
Quiz 1  
6 Body Framework  
7 Muscular System  
Experiment S1006B-Muscle Types  
8 Reproductive System  
Quiz 2  
9 Environmental Interactions  
10 Sensory Systems: The Eye  
11 Sensory Systems: Hearing, Taste, Touch  
12 Endocrine System  
13 Immune System and Disease  
Quiz 3  
Special Project S1006C  
TEST  
ALTERNATE TEST

**SCIENCE 1007—GENETICS: GOD'S PLAN OF INHERITANCE**

1 Genetics: God's Plan of Inheritance  
2 Probabilities  
Experiment S1007A-Probability  
3 Cross Predictions  
4 Application of Mendelian Genetics  
Quiz 1  
5 Chromosome Basis of Heredity  
6 Chromosomes in Meiosis  
7 Sex Chromosomes  
Quiz 2  
8 Molecular Genetics  
Experiment S1007B-Molecular Genetics  
Quiz 3  
9 Human Genetics  
10 Factors Studied  
11 Inherited Diseases  
Quiz 4  
Special Project S1007C  
TEST  
ALTERNATE TEST

**SCIENCE 1008—CELL DIVISION AND REPRODUCTION**

1 Cell Division  
2 Meiosis  
3 Stages of Mitosis  
Experiment S1008A-Mitosis  
Quiz 1  
4 Asexual Reproduction  
Experiment S1008B-Fragmentation  
5 Plants  
Experiment S1008C-Bulb Structure  
6 Practical Applications in Plants  
Experiment S1008D-Cuttings  
Quiz 2  
7 Sexual Reproduction  
8 Fertilization  
Experiment S1008E-Sexual Reproduction  
Quiz 3  
9 Sexual Reproduction in Animals  
Experiment S1008F-Tissue Structure  
10 Metamorphosis  
Quiz 4  
11 Sexual Reproduction in Plants  
12 Life Cycles of Ferns and Pines  
Experiment S1008G-Ferns and Pines  
Experiment S1008H-Flowers  
Quiz 5  
Special Project S1008I  
TEST  
ALTERNATE TEST

**SCIENCE 1009—ECOLOGY, POLLUTION, AND ENERGY**

1 Principles of Ecology  
 2 Environmental Factors  
 3 Food Chains  
 Quiz 1  
 4 Ecological Relationships  
 5 Communities and Habitats  
 Experiment S1009A-Habitats  
 Experiment S1009B-Biomes  
 Experiment S1009C-Quadrats  
 Experiment S1009D-Inventory  
 Quiz 2  
 6 Pollution Affects Ecology  
 7 Pollution Problems  
 Quiz 3  
 8 Energy Affects Ecology  
 Essay S1009E-Stewardship  
 Quiz 4  
 Special Project S1009F  
 TEST  
 ALTERNATE TEST

**SCIENCE 1010—PRINCIPLES AND APPLICATIONS OF BIOLOGY**

1 Study of Life  
 2 Definition of Life  
 Quiz 1  
 3 Basic Principles of Life  
 4 Control System  
 5 Environment of Life  
 Quiz 2  
 6 Applications of Biology  
 7 Green Revolution  
 Quiz 3  
 Special Project S1010A  
 TEST  
 ALTERNATE TEST

**Science 11 (Chemistry)**

Science 1100 is a general Chemistry course intended to expose students to the designs and patterns in the world that God has created. This course focuses on atomic structure, chemical formulas, chemical reactions, and hydrocarbons. It also further develops course concepts by helping students utilize the skills of experimentation, observation, and critical thinking.

Science 1100 should be preceded by an Algebra I course, such as SOS Math 900.

Upon completion of the course, students should be able to:

- Calculate and convert units using scientific notation and significant figures
- Explain the differences between elements, compounds, and mixtures
- Use Avogadro’s number and the gas laws to calculate different variables in chemistry examples
- Explain and use the periodic table
- Recognize symbols for common elements
- Differentiate between the different types of bonds
- Predict how different elements will react
- Describe acid-base reactions and redox reactions
- Demonstrate an understanding of organic chemistry and carbon compounds

**SCIENCE 1101—ESTIMATE AND MEASUREMENT**

1 Metric Units  
 Report S1101A-Metric System  
 2 Metric Units-Volume  
 3 Metric Units-Mass  
 Quiz 1  
 4 Instrumentation  
 Project S1101B-Measurements  
 Experiment S1101C-Masses  
 Quiz 2  
 5 Observation and Hypothesizing  
 6 Graphing  
 Quiz 3  
 7 Significant Figures  
 8 Scientific Notation  
 Quiz 4  
 9 Careers in Chemistry  
 10 Volume Measurement  
 11 Observation  
 Quiz 5  
 Special Project S1101D  
 TEST  
 ALTERNATE TEST

**SCIENCE 1102—ELEMENTS, COMPOUNDS AND MIXTURES**

1 Elements  
 Quiz 1  
 2 Hardness, Density, and Classification  
 Experiment S1102A-Phases  
 Experiment S1102B-Salt and Sand

3 Compounds and Chemical Changes  
Quiz 2  
Report S1102C-Density  
Report S1102D-Chromatography  
4 Mixtures  
Experiment S1102E-Colloids  
Quiz 3  
Special Project S1102F  
TEST  
ALTERNATE TEST

### **SCIENCE 1103—GASES AND MOLES**

1 Kinetic Molecular Theory  
2 Characteristics  
Project S1103A-Kinetic Energy  
Quiz 1  
3 Boyle's Law  
Quiz 2  
4 Charles' Law  
Experiment S1103B-Volume  
Project S1103C-Absolute Zero  
Quiz 3  
5 Combined Gas Law  
Quiz 4  
6 Moles  
7 Avogadro's Number  
8 Conservation of Mass  
Essay S1103D-Biography  
9 Propellants  
10 Metal Can  
11 Pressure  
12 Air Tank  
Quiz 5  
Special Project S1103E  
TEST  
ALTERNATE TEST

### **SCIENCE 1104—ATOMIC STRUCTURE AND PERIODICITY**

1 Contributors to a Concept  
Experiment S1104A-Properties  
Experiment S1104B-Burning  
2 Ernest Rutherford  
Quiz 1  
3 The Periodic Table  
Quiz 2  
4 Atomic Structure  
Quiz 3  
5 Ionization and the Atom  
Quiz 4  
6 Nuclear Reactions  
Report S1104C-Fission Reactors  
Quiz 5

Special Project S1104D  
TEST  
ALTERNATE TEST

### **SCIENCE 1105—MOLECULAR STRUCTURE**

1 Stoichiometry  
2 Chemical Formulas  
Quiz 1  
3 Formula Prediction  
4 Chemical Bonding  
Quiz 2  
5 Chemical Bonds  
6 Molecular Architecture  
Experiment S1105A-Molecular Shape  
Quiz 3  
Special Project S1105B  
TEST  
ALTERNATE TEST

### **SCIENCE 1106—CHEMICAL REACTIONS, RATES AND EQUILIBRIUM**

1 Chemical Reactions  
Experiment S1106A-Chemical Change  
Experiment S1106B-Chemical Reactions  
Experiment S1106C-Ammonium Nitrate  
2 Enthalpy of Reaction  
3 Entropy and Gibbs Free Energy  
Quiz 1  
4 Reaction Rates  
Experiment S1106D-Reaction Rates  
5 Reaction Rates (Part 2)  
Quiz 2  
6 Reaction Equilibria  
Activity S1106E-Exploring Equilibria  
7 Conditions Affecting Equilibrium  
Quiz 3  
Special Project S1106F  
TEST  
ALTERNATE TEST

### **SCIENCE 1107—EQUILIBRIUM SYSTEMS**

1 Solutions  
2 Types of Solutions  
3 Characteristics of Solutions  
4 Electrical Nature of Solutions  
5 Electrical Nature of Solutions (Part 2)  
Quiz 1  
6 Solubility Equilibrium  
Experiment S1107A-Solubility  
7 Solubility Equilibrium (Part 2)  
Quiz 2  
8 Acid-Base Equilibria  
Experiment S1107B-Acid Strength  
9 pH Scale  
10 Titration of Acids and Bases

Quiz 3  
11 Redox Equilibria  
12 Redox Equilibria (Part 2)  
13 Conductivity  
14 pH Calculations  
Quiz 4  
Special Project S1107C  
TEST  
ALTERNATE TEST

### **SCIENCE 1108—CARBON CHEMISTRY: HYDROCARBONS**

1 Carbon Compounds  
2 Sources of Organic Compounds  
Experiment S1108A-Volatility  
Quiz 1  
3 Carbon Atoms  
4 Bonding  
Quiz 2  
5 Hydrogen and Carbon  
6 Unsaturated Hydrocarbons  
Quiz 3  
Special Project S1108A  
TEST  
ALTERNATE TEST

### **SCIENCE 1109—CARBON CHEMISTRY: FUNCTIONAL GROUPS**

1 Hydrocarbon Chemistry  
2 Unsaturated Hydrocarbons  
Quiz 1  
3 Oxygen Functional Groups  
4 Aldehydes, Acids, and Ketones  
5 Esters  
Quiz 2  
6 Nitrogen Functional Groups  
7 Proteins  
Experiment S1109A-Preparation of a  
Polymer  
Quiz 3  
Special Project S1109B  
TEST  
ALTERNATE TEST

### **SCIENCE 1110—CHEMISTRY REVIEW**

1 Estimate and Measurement  
2 Observation and Hypothesis  
3 Elements, Compounds, and Mixtures  
4 Gases and Moles  
Quiz 1  
5 Atomic Structure and Periodicity  
6 The Periodic Law  
7 Molecular Structure

8 Chemical Reactions, Rates, and  
Equilibrium  
9 Reaction Rates  
Quiz 2  
10 Solutions  
11 Solubility Equilibrium  
12 Neutralization  
13 Carbon Compounds  
14 Hydrocarbon Chemistry  
Quiz 3  
Special Project S1110A  
TEST  
ALTERNATE TEST

## **Science 12 (Physics)**

Science 1200 is a general Physics course intended to expose students to the design and order in the world that God has created. This course focuses on atomic structure, chemical formulas, chemical reactions, and hydrocarbons. It also further develops course concepts by helping students utilize the skills of experimentation, observation, and critical thinking.

Science 1200 should be preceded by an Algebra I course, such as SOS Math 900, and a Geometry course, such as SOS Math 1000. In addition, it should be taken at the same time as or after an Algebra II course, such as SOS Math 1100.

Upon completion of the course, students should be able to:

- Use scalars and vectors to visualize and calculate concepts of motion
- Articulate Newton's and Kepler's laws of motion
- Demonstrate an understanding of how energy is transferred and changed from one form to another
- Describe how sound and light waves act and react
- Differentiate between static and current electricity and describe each one
- Know the relationship between magnetism and electricity
- Have a general understanding of Atomic theory, including fusion and fission

### **SCIENCE 1201—KINEMATICS**

1 Units, Scalars, and Vectors  
Experiment S1201A-Soda Straw  
Quiz 1  
2 Measurement of Length  
Experiment S1201B-Oleic Acid

Quiz 2  
3 Rate of Length Change  
Report S1201C-Galileo  
4 Velocity  
Quiz 3  
5 Rate of Velocity Change  
6 Acceleration Due to Gravity  
Quiz 4  
7 Fields and Models  
Quiz 5  
Special Project S1201D  
TEST  
ALTERNATE TEST

### **SCIENCE 1202—DYNAMICS**

1 Newton's First and Second Laws  
Report S1202A-Isaac Newton  
Quiz 1  
2 Gravity  
Quiz 2  
3 Uniform Circular Motion  
Experiment S1202B-Circular Motion  
Quiz 3  
4 Newton's Third Law  
Experiment S1202C-Explosion  
Quiz 4  
5 Kepler's Laws of Planetary Motion  
Report S1202D-Solar System  
Experiment S1202E-Kepler's Law  
Quiz 5  
Special Project S1202F  
TEST  
ALTERNATE TEST

### **SCIENCE 1203—WORK AND ENERGY**

1 Type and Source of Energy  
Report S1203A-Nuclear Energy  
Quiz 1  
2 Conservation of Energy  
3 Power and Efficiency  
Experiment S1203B-Simple Machines  
Quiz 2  
4 Heat Energy  
5 Latent Heat  
Experiment S1203C-Latent Heat  
6 Laws of Thermodynamics  
Quiz 3  
Special Project S1203D  
TEST  
ALTERNATE TEST

### **SCIENCE 1204—INTRODUCTION TO WAVES**

1 Energy Transfer  
Experiment S1204A-Wave Speeds

Experiment S1204B-Pulses  
Quiz 1  
2 Wave Phenomena  
Experiment S1204C-Waves  
Experiment S1204D-Bending Waves  
Quiz 2  
3 Sound Waves  
Experiment S1204E-Doppler Effect  
Quiz 3  
Special Project S1204F  
TEST  
ALTERNATE TEST

### **SCIENCE 1205—LIGHT**

1 Speed and Properties  
2 Properties  
Experiment S1205A-Light Angles  
Experiment S1205B-Water Refraction  
Quiz 1  
3 Mirrors  
Experiment S1205C-Convergence  
4 Lenses  
Quiz 2  
5 Phenomena and Models  
Experiment S1205D-Light Observations  
Quiz 3  
Special Project S1205E  
TEST  
ALTERNATE TEST

### **SCIENCE 1206—STATIC ELECTRICITY**

1 Electric Charges  
2 Coulomb's Law  
Experiment S1206A-Static Electricity  
3 The Transfer of Charges  
Quiz 1  
4 Electric Fields  
Quiz 2  
5 Electric Potential  
6 Potential and Energy  
Quiz 3  
Special Project  
TEST  
ALTERNATE TEST

### **SCIENCE 1207—ELECTRIC CURRENTS**

1 Current  
Project S1207A-Research and Report  
2 Fluid Flow  
Quiz 1  
3 Resistance  
Quiz 2  
4 Circuits  
5 Series Circuits

Quiz 3  
Special Project  
TEST  
ALTERNATE TEST

Special Project S1210A  
TEST  
ALTERNATE TEST

### **SCIENCE 1208—MAGNETISM**

1 Fields and Forces  
Experiment S1208A-Magnetic Fields  
2 Forces  
Quiz 1  
3 Electromagnetism  
Experiment S1208B-Magnetic Fields  
4 Electromagnetic Induction  
Quiz 2  
5 Electron Beams  
Quiz 3  
Special Project S1208C  
TEST  
ALTERNATE TEST

### **SCIENCE 1209—ATOMIC AND NUCLEAR PHYSICS**

1 Quantum Theory  
2 X-Rays  
Quiz 1  
3 Atomic Models  
Report S1209A-Early Atomic Physics  
4 Bohr Model  
5 Nuclear Theory  
Quiz 2  
6 Nuclear Reactions  
7 Fusion  
Quiz 3  
Special Project  
TEST  
ALTERNATE TEST

### **SCIENCE 1210—REVIEW**

1 Mechanics  
2 Dynamics  
3 Energy  
Quiz 1  
4 Wave Motion  
5 Light  
Quiz 2  
6 Electricity and Magnetism  
7 Fields and Forces  
8 Circuits  
Quiz 3  
9 Modern Physics  
10 The Bohr Atom  
11 Duality  
12 Nuclear Energy  
Quiz 4

## **Spanish I**

### **Overview**

This course covers topics commonly found in either first year high school or first semester college Spanish courses. It teaches Spanish through four language skills—listening, speaking, reading, and writing—with the goal of equipping students to communicate effectively and accurately in Spanish.

By the end of the course, students should be able to:

- hold discussions, convey ideas, and exchange information in Spanish
- use information they've obtained to relate with other people and to other subject areas
- demonstrate that they know how to incorporate and use Spanish outside of an educational setting
- evaluate the Spanish language skills they've acquired, weighing these skills against their own English language skills
- understand more about Spanish-speaking cultures

### **SPANISH 0101—WE'RE GOING TO MEXICO!**

1 Tutorial  
2 Introductions: What is Your Name?  
3 Greetings, Introductions, and Farewells  
4 Slow Down, Please  
5 The Alphabet and Spelling  
Quiz 1  
6 My Family  
7 Uncle Ramon's Family  
8 Personality Descriptions  
Quiz 2  
9 They Must be Intelligent  
10 Nationalities  
Report Sp0101A-Mi Familia  
11 In Context--Unit 1  
Special Project Sp0101B  
TEST

### **SPANISH 0102—PERSONAL INFORMATION**

1 Languages of the World  
2 Spanish Pronunciation  
3 Numbers 1-39  
Project Sp0102A-Numbers All Around  
4 Numbers 40-100  
Quiz 1

5 Telephone and Address  
6 Expressing Your Age  
7 Expressing Dates  
Project Sp0102B-Baseball Team  
Quiz 2  
8 Traveling Documents  
9 Interrogative Words  
10 In Context--Unit 2  
Special Project Sp0102C  
TEST

5 -ER and -IR Verbs  
6 Stem Changes  
7 More Stem Changes  
Quiz 2  
8 Where is it on the Map?  
9 Continue Straight to the Town  
Project Sp0105A-My Home Town  
10 In Context--Unit 5  
Special Project Sp0105B  
TEST

SPANISH 0103—NECESITIES

1 Kingdom of the Sea  
2 What Time is It?  
3 Scheduling with Verbs  
Project Sp0103-Family Schedules  
4 Pronunciation  
Quiz 1  
5 Needed Clothing  
6 Future Plans  
Project Sp0103-My Plans  
7 Where are They?  
Quiz 2  
8 How Much Does it Cost?  
D9 Writing Letters  
10 In Context--Unit 3  
Special Project Sp0103B  
TEST

SPANISH 0106—WE NEED HELP!

1 Looking for Help  
2 I'm Worried  
3 The Landscape  
Essay Sp0106A-Baja Landscape  
4 What do we do in Town?  
Quiz 1  
5 To Know or Not to Know  
6 Physical and Emotional States  
7 Pesos in the Market  
Quiz 2  
8 I am Looking for Help  
9 Charitable Works  
Essay Sp0106B-Mexico Missions  
10 In Context--Unit 6  
Special Project Sp0106B  
TEST

SPANISH 0104—FLIGHT TO MEXICO

1 Flight to Mexico  
2 I Like it All!  
3 How Often?  
4 How Interesting!  
Quiz 1  
5 How's the weather?  
Project Sp0104A-The Forecast  
6 Desires and Preferences  
7 Needed Actions  
Quiz 2  
8 Geography of Mexico  
Project Sp0104B-Vacation in Mexico  
9 Traditional Celebrations  
Project Sp0104C-Holiday Essay  
10 In Context--Unit 4  
Special Project Sp0104D  
TEST

SPANISH 0107—THE GOOD SAMARITAN

1 You Arrived with the Doctor!  
2 Treatment  
3 In the House  
4 In the Rooms of a House  
Project Sp0107A-Household Activities  
Quiz 1  
5 Reflexive Verbs  
6 More Reflexives  
7 Infinitive Structures  
Quiz 2  
8 Commands  
9 Housing of the World  
10 In Context--Unit 7  
Special Project Sp0107B  
TEST

SPANISH 0105—WHAT HAPPENED?

1 Forced Landing  
2 The Human Body  
3 What Hurts?  
4 I Can't Walk!  
Quiz 1

SPANISH 0108—LET'S EAT!

1 What are We Going to Eat?  
2 Breakfast in the Kitchen  
3 Lunch and Dinner  
4 Traditional Foods and Direct Objects  
Quiz 1  
5 Professions  
6 What Does a Lawyer Do?

7 Education  
 Quiz 2  
 8 Advantages of Knowing Spanish  
 Project Sp0108A-Spanish Advantages  
 9 Familiar Commands  
 10 In Context--Unit 8  
 Special Project Sp0108B  
 TEST

Spanish through four language skills—listening, speaking, reading, and writing—with the goal of helping students make significant progress in the application of these four skills. Cultural traditions, including the food, music, commerce, geography, and etiquette of the Spanish-speaking world are presented in the ten units of this course.

By the end of the course, students should be able to:

- hold discussions, convey ideas, and exchange information in Spanish
- understand more about Spanish-speaking cultures
- use information they've obtained to relate with other people and to other subject areas
- evaluate the nature of language, grammar, and literature by comparing Spanish with English
- demonstrate that they know how to incorporate and use Spanish outside of an educational setting

**SPANISH 0109—ARE WE THERE YET?**

1 Are We There Yet?  
 2. The Automobile  
 3 Actions Associated with the Car  
 4 Means of Transportation  
 Quiz 1  
 5 Comparisons  
 6 Expressing Wants  
 7 Extreme Weather  
 Project Sp0109A-A Stormy Experience  
 Quiz 2  
 8 In the Hotel  
 9 In the Restaurant  
 Project Sp0109B-My Favorite Restaurant  
 10 In Context--Unit 9  
 Special Project Sp0109C  
 TEST

**SPANISH 0201—STUDY SPANISH EVERYDAY!**

1 Study Spanish Every Day  
 2 Show Me How!  
 3 Read in Spanish  
 Quiz 1  
 4 The Preterite  
 5 Irregular Preterit  
 6 Irregular Preterit/Stem Changing Verbs  
 7 Irregular Preterit: Go, Be, and Give  
 Quiz 2  
 8 Think, Decide, and Choose  
 9 Direct and Indirect Objects  
 10 Indirect and Direct Object Pronouns  
 Quiz 3  
 11 She said that...  
 12 Giving verbs: DAR, REGALAR and PRESTAR  
 13 Writing - Linking Past Actions  
 Quiz 4  
 14 The Immigrants  
 15 In Context  
 Special Project Sp0101B  
 TEST

**SPANISH 0110—WE ARRIVE AT LAST!**

1 Arrival at Ramon's House  
 2 Speaking of the past--Regular -AR Verbs  
 3 The past: Regular -ER, -IR Verbs  
 4 The past: Irregular Verbs  
 Quiz 1  
 5 Likes and Reflexive Actions in the Past  
 6 Indirect Object Pronouns  
 7 More with IO Pronouns  
 Quiz 2  
 8 Expressing "Ago"  
 Project Sp0110A-Last Year  
 9 Historic Cultures of Central and S. America  
 10 In Context--Unit 10  
 Special Project Sp0110B  
 TEST

**SPANISH 0202—THOSE WERE THE DAYS!**

1 Days of Happiness  
 2 Imperfect Tense with -AR Verbs  
 3 Sports and Games  
 4 Imperfect Tense for -ER and -IR Verbs  
 Quiz 1  
 5 Irregular Verbs in the Imperfect Tense  
 6 Reflexive Verbs Review  
 7 Let's Play!

**Spanish II**

**Overview**

Spanish 200 continues to advance the skills taught in Spanish 100. This course covers topics found in either second year high school or second semester college Spanish courses. Spanish 200 teaches

8 May You Have a Good Time

Quiz 2

9 Pronoun after a Preposition

10 Pronunciation

11 Tongue Twisters

12 About the Past

Quiz 3

13 In Context

Special Project Sp0201B

TEST

**SPANISH 0203—PLAN A CAREER!**

1 Youthful Aspirations

2 Imperfect Tense

3 Plans with Professions

4 Imperfect Needs

Quiz 1

5 Imperfect Progressive

6 Reflexive Verbs Review

7 Let's Play!

8 May You Have a Good Time

Quiz 2

9 Pronoun after a Preposition

10 Pronunciation

11 Tongue Twisters

12 About the Past

Quiz 3

13 In Context

Special Project Sp0201B

TEST

**SPANISH 0204—SUDDENLY EVERYTHING CHANGED!**

1 Suddenly, Everything Changed!

2 Which Is the Correct Past? Preterite or Imperfect?

3 Preterit Interruptions into Imperfect Actions

4 Ser Y Estar

5 Haber

Quiz 1

6 Saber y Conocer

7 Tener, Querer y Poder

8 Families

9 Parecer o Parecerse

10 Bien o Mal

Quiz 2

11 Let's Talk

12 Let's Discuss It

13 Idioms

14 Writing a Family Story

15 Families in Uruguay

Quiz 3

16 En contexto- Unidad 4

Test

**SPANISH 0205—TOURISM!**

1 Tourism in my Country

2 Tourists

3 Tourist Activities

4 Demonstrative Adjectives

5 Demonstrative Pronouns

Quiz 1

6 Por and Para

7 Investigating the Past

8 Running the Risk

Quiz 2

9 Writing about Family Vacations

10 Regions of Spain

11 In Context

Test

**SPANISH 0206—CUISINE!**

1 How Dad Used to Cook!

2 Food!

3 Traditional Dishes

4 Shopping in the Market

5 Recipes

Quiz 1

6 Pedir y preguntar

7 Interrogative Words

8 Create Questions

9 Intonation

10 Gestures

Quiz 2

11 Writing Dialog

12 Food Customs of the Caribbean

13 In Context

Test

**SPANISH 0207—EDUCATION!**

1 School Days!

2 Study Materials

3 Possessions

4 Pronoun: What or That

Quiz 1

5 Right and Wrong

6 Formal Commands

7 Familiar Commands

Quiz 2

8 Writing Poetry

9 Learning in Latin America

10 In Context

Test

**SPANISH 0208—HEALTH IS EVERYTHING!**

1 Health is Everything

2 The Human Body

3 Medical Terms

- 4 Subjunctive Forms
- Quiz 1
- 5 Irregular Subjunctive: -er and -ar
- 6 Irregular Subjunctive: -car, -zar and -gar
- 7 Irregular Forms Continued
- 8 Medical Recommendations
- 9 Subjunctive Desires
- Quiz 2
- 10 Willful Expressions
- 11 Health Care Systems in Latin America
- 12 In Context
- Test

**SPANISH 0209—HOW DO THEY LIVE?!**

- 1 Different People
- 2 Transportation
- 3 Expressing Doubt
- 4 Expressing Probability
- Quiz 1
- 5 When Subjunctive?
- 6 Reading Strategies
- 7 Pronunciation- b/v, t, d
- Quiz 2
- 8 Writing: Compositions
- 9 Life Styles
- 10 In Context
- Test

**SPANISH 0210—CONTRASTING CULTURES!**

- 1 Reason for Leaving
- 2 Comparisons of Inequality
- 3 Comparisons of Equality
- 4 Negation
- Quiz 1
- 5 Negation and the Subjunctive
- 6 Emotional Subjunctive Triggers
- 7 Quedar(se)
- Quiz 2
- 8 Affixes
- 9 Compare and Contrast
- 10 In Context
- Test

## College Planner

Switched-On Schoolhouse® College Planner is a one-semester elective curriculum of 5 Units. It is designed for grades 9-12, with the following goals: guiding students in the entire college process: planning for college selecting the right school, the application process financial aid.guiding students who may not be headed to college.

Most Christian schools do not have a full-time guidance counselor. If college guidance is even offered, it is usually provided by a classroom teacher or administrator who fits it in among many other responsibilities. SOS College Planner is a handy tool that can help both students and that teacher who provides guidance services.

### COLLEGE PLANNER 0101—PLANNING THE TRIP (A)

- 1 Who Are You and What Do You Want? Report C0101A-God's Plan for You
- 2 Common Reasons to Go to College
- 3 What's God's Will for My Educational Future?
- Quiz 1
- 4 Why Choose a Particular School?
- 5 What Are Colleges Really Looking For?
- Quiz 2
- Special Project C0100B
- TEST

### COLLEGE PLANNER 0102—PLANNING THE TRIP (B)

- 1 What Type of School is Right for Me?
- 2 Freshmen/Sophomores: Planning
- Calendars
- 3 Juniors/Seniors: Planning
- Calendars
- Quiz 1
- 4 Your Ideal School: Creating Your Long List
- 5 Your Ideal School: Creating Your Short List
- Project C0101A Choose Your School
- Quiz 2
- Special Project C102B
- TEST

### COLLEGE PLANNER 0103—MAKING RESERVATIONS

- 1 Entrance Exams: The PSAT
- 2 Entrance Exams: The SAT I and SAT II
- 3 Entrance Exams: The ACT
- Quiz 1
- 4 Applications and Recommendations
- 5 Admissions Essays
- Essay C0103A Admissions Essay
- 6 Athletics and Fine Arts
- Quiz 2
- Special Project C0103B
- TEST

## **COLLEGE PLANNER 0104—PAYING FOR THE TRIP**

- 1 What Does College Cost?  
Project C0104A-Map Activity
- 2 How Much Will You Be Expected to Pay?
- 3 Types of Financial Aid: Grants and Loans  
Quiz 1
- 4 Types of Financial Aid: Scholarships and More
- 5 A Note to Parents (and Students)  
Quiz 2  
Special Project C0104B  
TEST

## **COLLEGE PLANNER 0105—ON YOUR WAY**

- 1 Some Questions to Ask  
Project C0105A-Your List of Questions
- 2 Mentoring  
Quiz 1
- 3 Other Options: Apprenticeships and Internships
- 4 Other Options: Military
- 5 Review  
Quiz 2  
Special Project C0103B  
Test

## **High School Health**

Switched-On Schoolhouse® High School Health is a health science elective course for high school students. The curriculum introduces students to what good health is, why good health is important, and what students should do to achieve good health.

Upon completion of the course, students should be able to:

- demonstrate an awareness of health as it applies to their own bodies, minds, and emotions
- demonstrate an awareness of health as it applies to their living environments
- identify the components of a healthy lifestyle and set reasonable goals to achieve a lifestyle of wellness
- understand that incorporating sound health practices creates a lifestyle of moderation and wellness
- understand the responsibility of properly stewarding the bodies God has given them as directed in the Bible

describe health as it applies to broader society, the world, and their own responsibility to stimulate good health around them

## **Unit Overview**

### **Unit 1: Body Essentials**

**10 Lessons, 5 Projects, 3 Quizzes, 1 Test**

Introduces the different systems in the human body, showing how the body develops.

### **Unit 2: Physical Health**

**10 Lessons, 4 Projects, 3 Quizzes, 1 Test**

Demonstrates to students how they may develop good practices as they promote proper physical health.

### **Unit 3: Social and Mental Health**

**8 Lessons, 2 Projects, 3 Quizzes, 1 Test**

Teaches about how to establish strong social and mental health through true health wisdom.

### **Unit 4: Preventive Healthcare and First Aid**

**13 Lessons, 4 Projects, 3 Quizzes, 1 Test**

Focuses instruction on safety, emergency care, and disease prevention.

### **Unit 5: Responsible Living**

**10 Lessons, 6 Projects, 3 Quizzes, 1 Test**

Discusses how students may apply the principles of good stewardship, covering topics like pollution, drugs, alcohol, and tobacco.

Included at the end of the last unit is a lesson on sexually transmitted diseases, thoughtfully and discerningly presented by a Christian Physician.

## **Foundations for Living Studies in the Christian Worldview**

Foundations for Living is an elective designed especially with 11th and 12th graders in mind. It

provides a Bible-based sequential development of a Christian worldview of contemporary life. The course aims to pull all of a student's education together into a unified whole, preparing them for their new adventures beyond high school in the home, church, college, and society.

Upon completion of the course, the student should be able to

- Understand the unique identity of the Christian worldview
- Observe how all truth properly fits together into the Christian worldview
- Discern the differences between a Christian and non-Christian worldview
- Think and live with discernment and conviction
- Recognize how the world's philosophies of the past affect contemporary thinking and living
- Provide a biblical model by which any issue can be assessed and judged

Unit 1: What is a Biblical Worldview?

Ancient Greek Worldview, Ancient Hebrew Worldview, Conflicting Worldviews

Unit 2: Presuppositions

Assumptions and Presuppositions, Truth and Morality

Unit 3: The Doctrines of the Bible

God, The Inspiration of Scripture, The Attributes of God, The Authority of God's Word

Unit 4: God's Creation

The Sovereignty of the Creator, the Sanctity and

Unit 5: The Family

The Fatherhood of God, Godliness, Leadership and Fatherhood

Unit 6: The Bible and Marriage

The Successful Christian Family, Roles of Family Members, Role Conflicts of Our Culture

Unit 7: Dating to Matrimony

Dating vs. Courtship, Making a Commitment, The Engagement

Unit 8: Christian Education

Created to Learn, Filtering Facts and Applying the Truth

Unit 9: Art, Music, Politics

A Christian Worldview in the Arts, A Christian

Unit 19: Putting It All Together

Applying a Biblical Worldview, Review