

SCOPE AND SEQUENCE OF CHRISTIAN LIGHT CURRICULUM

2025

GRADES 7-12

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CHRISTIAN LIGHT
EDUCATION

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CHRISTIAN LIGHT CURRICULUM

SCOPE AND SEQUENCE

GRADES 7–12

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CURRICULUM OVERVIEW

Sunrise Edition Bible

This unique developmental Bible series provides an in-depth academic study of the teachings of both the Old and New Testaments. The Bible curriculum is considered one of the academic basics. Teaching basic, Biblical truths fundamental to Christianity, seven major themes are covered in most levels:

<i>Christian Growth</i>	This study begins with awareness of self and God and leads to ways of achieving victorious living.
<i>Theology Themes</i>	Students investigate major themes of the Bible, such as Christ, sin, salvation, and prayer.
<i>Attributes of God</i>	Students study facets of God's nature and how they relate to the individual.
<i>Christian Evidences</i>	Presents the "full armor of God" to equip the Christian for both temporal and eternal life.
<i>Biblical Literature</i>	Students note Psalms, Proverbs, and other books of the Bible for literary value and for their practical relationship to today's world.
<i>Biblical Geography</i>	Teaches Scripture-related geography and archaeology, building an understanding of Bible life and times.
<i>Special Emphasis</i>	Each level contains a study that is uniquely appropriate for students of that age group.

LEVEL	BIBLE
Sunrise 100	Stories from Genesis through Acts
Sunrise 200	Old Testament Stories
Sunrise 300	New Testament Stories
Sunrise 400	Stories from the Gospels
Sunrise 500	Creation through Moses
Sunrise 600	Moses through Minor Prophets
Sunrise 700	A Study of the Gospels
Sunrise 800	Acts through Revelation
Sunrise 900	Christ in the Old Testament
1000 (old 9th)	New Testament Survey
1100	Major Themes I
1200	Major Themes II

<p>701</p> <p>The Coming of Jesus Christ</p> <p>Introduction to the Gospels The Gospel of Matthew The Gospel of Mark The Gospel of Luke The Gospel of John</p> <p>Events Before Christ's Birth The Pre-Existence of Christ John's Birth Foretold The Annunciation to Mary Mary and Elisabeth Christ Is Born Birth of John the Baptist The Genealogy of Christ: Son of David The Birth of Jesus Christ The Shepherds Worship</p>	<p>702</p> <p>The Youth and Early Ministry of Jesus</p> <p>Jesus: His Childhood and Youth The Unique Child Worshiped and Threatened The Boy Jesus A Voice Crying in the Wilderness</p> <p>The Baptism of Jesus; His First Followers Baptism and Temptation The Lamb of God! The Son of Adam The First Followers of Jesus</p> <p>First Miracle and Cleansing of the Temple Water Made Wine Cleansing the Temple Teaching a Teacher "He Must Increase"</p>	<p>703</p> <p>The Ministry of Jesus in Galilee</p> <p>First Healings A Healing in Cana A Sermon in Nazareth Healings in Capernaum Calling His Disciples</p> <p>Jesus Teaches The Pharisees Criticize Jesus After Further Offending, Jesus Withdraws The Sermon on the Mount: The Beatitudes The Sermon on the Mount: Salt, Light, and Law</p> <p>The Sermon on the Mount The Sermon on the Mount: Honoring God and Loving Enemies The Sermon on the Mount: Worship and the Model Prayer The Sermon on the Mount: Treasures and Judgments The Sermon on the Mount: Prayer, Principles, and a Parable</p>	<p>704</p> <p>Jesus Teaches His Disciples</p> <p>Jesus Teaches in Parables Healing Servant and Son Surprising Company Heart Conditions Precious Seed in Rich Soil</p> <p>Jesus Nurtures His Disciples Of Wheat, Mustard, and Leaven What Kind of Man Is This? Help for the Hopeless Jesus Gives Authority to His Disciples</p> <p>Conflict Between Good and Evil As the Master, so the Follower Take Up the Cross I Will Give You Rest John the Baptist's Death</p>	<p>705</p> <p>Is Jesus the Christ?</p> <p>Jesus' Last Days in Galilee You are the Christ! Bread of Life This Is My Son To Jerusalem!</p> <p>Ministry in Judea Sent by the Father If Any Man Thirsts I Am the Light of the World You Shall Know the Truth</p> <p>Conflict With the Pharisees Before Abraham Was, I Am Sabbath "Work" Now I See! The Good Shepherd</p>
<p>706</p> <p>Jesus Travels and Teaches</p> <p>Jesus Appoints Seventy Jesus Is God The Mission of the Seventy The Good Samaritan Jesus Teaches on Prayer</p> <p>Jesus Opposes the Pharisees Tearing Down Façades Beware of Hypocrisy! Riches and Worry Good Servants Versus Bad Servants</p> <p>Jesus Confronts the Pharisees The Unfruitful Tree The Compassionate Christ The Humble Exalted The Cost of Discipleship</p>	<p>707</p> <p>Jesus Teaches and Heals</p> <p>Parables and Teaching The Parables of the Lost Sheep and Coin The Parable of the Lost Son The Parable of the Unjust Steward Jesus Teaches About Marriage</p> <p>Two Men Named Lazarus The Rich Man and Lazarus Lazarus Is Dead! Jesus Weeps Kill Jesus!</p> <p>On the Way to Jerusalem A Grateful Samaritan Persistence and Humility Two Rich Men Mary's Lavish Love</p>	<p>708</p> <p>The Last Week of Jesus' Life</p> <p>Triumph and Conflict Triumphal Entry! Cleansing the Temple; Cursing a Fig Tree A Parable of Rejection Tricky Questions</p> <p>Signs of the Second Coming of Jesus "I Am Come as a Light" Love Wars and Rumors of Wars Be Ready!</p> <p>Jesus Urges Readiness Foolish or Wise? Faithfully Serving Sheep or Goat? Betrayal!</p>	<p>709</p> <p>Jesus' Last Evening</p> <p>An Eventful Evening The Last Supper A Servant's Task Amazing Promises Amazing Peace</p> <p>What a Friend! Connected to the Vine Comforter Overcomer Intercessor</p> <p>Jesus Alone A Sacred Battle A Traitor's Kiss An Unjust Trial A Friend's Denial</p>	<p>710</p> <p>Sacrifice and Victory</p> <p>Injustice at the Hands of the Authorities Silent Before Pilate Silent Before Herod Mocked and Whipped Crucified</p> <p>Work of Redemption Completed It Is Finished He Is Risen! Mary's Special Blessing Christ in the Scriptures</p> <p>Jesus Appears to His Followers Doubt Banished Restoring Peter The Ascension Raised to New Life!</p>

<p>801</p> <p>Jesus Finds His Church</p> <p>The Holy Spirit Is Poured Out – Acts</p> <p>Ye Shall Be Witnesses The Holy Spirit Comes The First Gospel Message The Lame Man Walks</p> <p>The Church Grows – Acts</p> <p>Peter Preaches Jesus No Other Name Fresh Power Compassion or Deceit?</p> <p>Challenges for the Church – Acts</p> <p>God Uses Miracles Obeying God Rather Than Men Choosing Deacons Stephen Stoned</p>	<p>802</p> <p>The Gospel Spreads</p> <p>God Uses Men – Acts</p> <p>The Gospel Spreads God Prepares Two Men Saul's Conversion Two Courageous Men</p> <p>The Gospel Is for the Gentiles Too – Acts</p> <p>Aeneas and Tabitha Peter's Vision Gentiles Receive the Spirit Barnabas Teams Up with Saul</p> <p>Into All the World – Acts</p> <p>God Delivers Peter Sent Forth The Choice Paul Stoned</p>	<p>803</p> <p>Christianity and Culture</p> <p>A Maturing Church – Acts</p> <p>More Bible Atlas Skills The Jerusalem Conference Second Missionary Journey Open Hearts at Philippi</p> <p>Victory in Face of Opposition – Acts</p> <p>Thessalonica and Berea Paul at Athens Conversions at Corinth A More Perfect Understanding</p> <p>The Birth of the Ephesian Church – Acts</p> <p>Clash With Evil Uproar at Ephesus All-Night Sermon Good-bye!</p>	<p>804</p> <p>Paul Finishes His Race</p> <p>The Jews Try to Kill Paul – Acts</p> <p>Arrested In Roman Hands Murder Plot Foiled On Trial at Caesarea</p> <p>The Journey to Rome – Acts</p> <p>Appeal to Caesar Almost Persuaded Danger at Sea Shipwreck</p> <p>The End of Paul's Journey – Acts</p> <p>Paul in Rome Peoples of the New Testament Something New: the Church New Testament Travel</p>	<p>805</p> <p>Paul Writes to Christians</p> <p>All Have Sinned – Romans</p> <p>Paul's Burden for Rome Sin Invades Justified by Faith Servants of Righteousness</p> <p>A New Life – Romans, 1 Corinthians</p> <p>No Condemnation Transformed! The Christian and Civil Authority God's Wisdom Is Superior</p> <p>Doing Things God's Way – 1 Corinthians</p> <p>Laboring Together With God Teachings for Orderly Church Life The Body of Christ Love</p>
<p>806</p> <p>A Way of Life</p> <p>Saved to Serve – 2 Corinthians</p> <p>A New Heart for Service Working Together With God Joyful Giving Serving and Suffering</p> <p>Salvation by Jesus Christ Only – Galatians</p> <p>Keeping the Gospel Pure Living by Faith The Flesh Versus the Spirit Sowing and Reaping</p> <p>Jesus is Supreme – Philippians</p> <p>Jesus is All Jesus' Perfect Example The Perfect Goal Think on These Things</p>	<p>807</p> <p>Life in Jesus</p> <p>The Church: the Body of Christ – Ephesians</p> <p>Jesus' Great Power The Habitation of God The Body Works Living the Christian Life</p> <p>Complete in Christ – Ephesians, Colossians</p> <p>Jesus is Preeminent Complete in Christ Risen With Christ Christ-like Relationships</p> <p>Jesus is Supreme – 1 and 2 Thessalonians</p> <p>Caring for the Brotherhood Wholly Sanctified Evil Will Lose Helping the Disobedient</p>	<p>808</p> <p>Leaders for the Church</p> <p>Good Relationships – 1 Timothy</p> <p>Encouraged to Faithfulness The Importance of Prayer and Study Mutual Respect Among Christians A Contented Life</p> <p>Sound Teaching – 2 Timothy</p> <p>Take Courage Be Strong Victory in Dangerous Times Finishing Life in Victory</p> <p>Everyday Christianity – Titus, Philemon</p> <p>Qualities of an Elder Sound Doctrine Maintaining Good Works Restoring Relationships</p>	<p>809</p> <p>A Better Covenant</p> <p>Jesus, Our Perfect Redeemer – Hebrews</p> <p>Jesus is Superior The Humanity of Christ Jesus, Our High Priest Better Things</p> <p>Faith Obeys – Hebrews, James</p> <p>Heroes of Faith Our Captain A Doer of God's Word Faith Works</p> <p>One With Christ in Service – James, 1 Peter</p> <p>An Unruly Member Trust in God Chosen of God One With Christ in Suffering</p>	<p>810</p> <p>The Love of God</p> <p>Walking With Jesus – 2 Peter, 1 John</p> <p>Growing in Christ The Day of the Lord Walking in the Light Light and Love</p> <p>Life in the Son – 1 and 2 John, Jude</p> <p>Sons of God God Is Love Practical Encouragement and Warning Jesus, the Ever-Living One</p> <p>Final Victory – Revelation</p> <p>Jesus Speaks to the Church Worship in Heaven Evil Is Defeated United With Jesus Forever</p>

SUNRISE BIBLE 900 – Christ in the Old Testament

<p>901</p> <p>In the Beginning</p> <p>Jesus, the Eternal Word Jesus How We Got the Scriptures The Relationship Between the Old and New Testaments Overview of the Old Testament</p> <p>Beginnings Creation Man The Fall The Promise</p> <p>From Abel to Job Man's Increasing Wickedness The Flood to Babel God and Satan Test Job's Faithfulness Job and His Friends Learn the Truth</p>	<p>902</p> <p>Abraham to Joseph</p> <p>Abraham, Friend of God God Calls Abram The Promise Through Abraham's Seed Melchizedek Lot and Sodom</p> <p>Abraham's Sons Sarai's Solution Isaac, Son of Promise The Promise, on the Altar Jacob Is God's Chosen</p> <p>Jacob and His Sons Jacob and the Blessing of Abraham Joseph, Preserver of the Promised Seed Tribe of the Promised Redeemer-King God Preserves the Redeemer's Line</p>	<p>903</p> <p>From Egypt to the Promised Land</p> <p>Moses Leads the People God Calls Moses Passover: Mercy at Midnight The Red Sea God Provides in the Wilderness</p> <p>Mount Sinai and the Law Israel Prepares to Meet God God's Law, Written Christ Foreshadowed in the Law Children of Abraham</p> <p>God Dwells With His People The Tabernacle, God's Special Dwelling Place Christ Foreshadowed in the Tabernacle Christ Foreshadowed in the Sacrifices The People of God</p>	<p>904</p> <p>Leviticus and Numbers</p> <p>A Holy People The Law in Israel's Life and Culture The Priests Stand Between God and Israel Israel Connects With God Through Offerings Israel Blesses God Through Offerings</p> <p>Serving God Holy Living for a Holy People The LORD's Spring Feasts for Israel More Feasts The Atonement—A Clean Start</p> <p>Disobedience and Obedience Jubilee: Faith and Freedom Spies and Rebellion God Deals With Defiance The Brass Serpent</p>	<p>905</p> <p>Moses Through Saul</p> <p>God Shows His Heart God Is a God of Order Moses and Joshua That Prophet A Heart for God</p> <p>Delivered to a Land of Milk and Honey Restored to Canaan Rahab: Faith in an Unexpected Place Judges, God's Instruments for Deliverance Ruth: Ancestor of the Redeemer</p> <p>Israel Becomes a Kingdom Samuel: Prophet and Judge The Ark of God King Saul: A Heart That Closed David: A Man After God's Own Heart</p>
<p>906</p> <p>King David and the Psalms</p> <p>David the King God's Man Becomes King The Enduring Throne of David David's Response to His Sins Three Kings, Two Hearts</p> <p>David the Poet David's Love for God's Word Thirsting and Panting Prophecies About Christ in the Psalms Prophecies in Psalm 132: the Davidic Covenant</p> <p>Prophecies in the Psalms The Messiah's Betrayal The Messiah's Suffering and Crucifixion The Messiah's Triumph The Messiah's Kingship</p>	<p>907</p> <p>Solomon's Reign and Writings</p> <p>Solomon and the Temple David's Son Solomon Succeeds David Solomon Builds the Temple Solomon Dedicates the Temple</p> <p>The Proverbs of Solomon Solomon Makes Choices Wisdom Personified Proverbs: The Fear of the LORD Wisdom: Practical Righteousness</p> <p>Solomon's Other Writings Ecclesiastes: Life Under the Sun Ecclesiastes: Life Beyond the Sun Ecclesiastes: Life Winding Down Song of Solomon</p>	<p>908</p> <p>Division and Hope</p> <p>The Divided Kingdom Division, Fruit of Apostasy Israel: Evil Kings and Faithful Prophets Judah: The Struggle Against Idolatry The Royal Lineage Preserved</p> <p>Isaiah: Jesus' Life and Ministry Isaiah Prophesies the King's Birth Isaiah Describes the Servant and His Ministry Isaiah Reveals the Spirit-filled Saviour Isaiah Presents the Promised One as an Obstacle</p> <p>Isaiah: Jesus' Suffering, Death, and Return The Messiah Suffers at the Hands of His People The Messiah Dies and Lives Again The Holy One Executes Judgment The King Reigns Forever</p>	<p>909</p> <p>Judah After Israel's Captivity</p> <p>Kings and Prophets Courageous Prophets Take a Righteous Stand The Last Kings of Judah Joel and Micah Habakkuk and Zephaniah</p> <p>Judgment and Restoration; Jeremiah The Chosen People Lose the Kingdom Jeremiah, the Weeping Prophet Jeremiah Prophesies of Judgment Jeremiah Prophesies of Restoration</p> <p>Judgment and Restoration; Ezekiel Ezekiel, the Watchman Ezekiel Sees Bones and Sticks Ezekiel Sees Glory and Water Daniel, a Man of Influence</p>	<p>910</p> <p>God's People Return and Prepare for the King</p> <p>Daniel Daniel's Character and Priorities Daniel Prays Four World Powers The Eternal Kingdom</p> <p>The Return; God Preserves His People God's People Return God Thwarts Genocide The Samaritans Ezra and Nehemiah Lead Israel's Revival</p> <p>Preparation for the King The Temple Is Restored Remember the Law God Prepares the World for the King The Knowledge of the Holy</p>

<p>901</p> <p>Introduction to the New Testament</p> <p>Background Information Various Empires and Periods Religious Literature Religious Parties</p> <p>New Testament Books Historical Books Instructive Books Prophetical Book</p> <p>Chronological Sequence Events in the Gospels Events in the Early Church Events in Revelation</p>	<p>902</p> <p>The Gospels</p> <p>The Gospel According to Matthew Writer of the Gospel Occasion of the Writing Analysis of the Book</p> <p>The Gospel According to Mark Writer of the Gospel Occasion of the Writing Analysis of the Book</p> <p>The Gospel According to Luke Writer of the Gospel Occasion of the Writing Analysis of the Book</p> <p>The Gospel According to John Writer of the Book Occasion of the Writing Analysis of the Book</p>	<p>903</p> <p>The Acts of the Apostles</p> <p>Writer Background Viewpoint Style</p> <p>Purpose Particular Purpose Historical Purpose Comprehensive Purpose</p> <p>Content Pentecost Home Missions Foreign Missions</p>	<p>904</p> <p>The Pauline Epistles</p> <p>Personal Profile The Man The Apostle The Writer</p> <p>Early Epistles First and Second Thessalonians First and Second Corinthians Romans Galatians</p> <p>Prison Epistles Ephesians Philippians Colossians Philemon</p> <p>Later Epistles First Timothy Titus Second Timothy</p>	<p>905</p> <p>The General Epistles</p> <p>James The Man The Disciple The Writer The Message</p> <p>First and Second Peter The Man The Apostle The Writer The Message</p> <p>First, Second, and Third John The Man The Apostle The Writer The Message</p> <p>Hebrew and Jude Hebrews Jude</p>
<p>906</p> <p>The Revelation of Jesus Christ</p> <p>The Glorious Christ and His People The Seven Churches The Seven Seals</p> <p>The Victorious Christ and His Enemy The Seven Trumpets The Seven Signs The Seven Plagues</p> <p>The Triumphant Christ and His Bride The Seven Judgments The Seven Wonders</p>	<p>907</p> <p>Biblical Literature: Job and Suffering</p> <p>The Book of Job Opening Scenes Great Debate Closing Scenes</p> <p>The Attitudes Toward Suffering The Term <i>Suffer</i> The World's Attitude The Christian's Attitude</p> <p>The Sufferings of Christ His Life and Ministry His Death and Resurrection His Intercession and Consolation</p>	<p>908</p> <p>How to Share Christ With My Friends</p> <p>Personal Evangelism Conducted on a Personal Basis Directed by the Holy Spirit Followed by Continued Ministry</p> <p>Outreach Meetings Bible-Oriented Outreach Activity-Oriented Studies Food-Oriented Outreach</p> <p>Travel Projects Personal or Family Projects Church or Denominational Projects Mission or Organization Projects</p>	<p>909</p> <p>God's Will for My Life</p> <p>How to Find God's Will for Your Life The Desire of the Heart The Word of God The Providence of God</p> <p>How to Develop and Keep Goals The Necessity for Goals The Types of Goals The Attainment of Goals</p> <p>How to Evaluate and Use Your Talents The Giver of Gifts The Evaluation of Gifts The Use of Gifts</p>	<p>910</p> <p>Review</p> <p>Background Information and New Testament Historical Books The Empires, Literature, and Parties The Gospels The Acts of the Apostles</p> <p>Instructive and Prophetical Books The Pauline Epistles The General Epistles The Revelation</p> <p>Suffering and Special Emphases The Sufferings of Job, Mankind, and Christ Sharing Christ With My Friends Knowing God Knowing God's Will for My Life</p>

BIBLE 1100 MAJOR THEMES I

<p>1101</p> <p>The Faithfulness of God</p> <p>Affirmation of God's Faithfulness The Declaration of God as to His Own Faithfulness The Declaration of Man as to God's Faithfulness</p> <p>Nature of God's Faithfulness Characteristics of God's Faithfulness The Contrasts of God's Faithfulness</p> <p>Manifestation of God's Faithfulness The Providence of the Creator The Message of the Faithful Witness The Work of the Faithful High Priest</p> <p>Implications of God's Faithfulness The Necessity of Faith The Responsibilities of Faithfulness</p>	<p>1102</p> <p>Romans: Part I</p> <p>Historical Background of the Roman Empire The Roman Empire The Roman Church The Book of Romans</p> <p>Paul's Epistle to the Romans Salutation State of Condemnation State of Justification</p> <p>The Way According to Romans Sin Salvation</p>	<p>1103</p> <p>Romans: Part II</p> <p>Children of Choice Election Unrighteousness Gentiles</p> <p>Principles in Practice Service Submission Scruples</p> <p>Roman Victory From Sin to Salvation From Salvation to Sanctification From Glory to Glory</p>	<p>1104</p> <p>The Doctrine of Jesus Christ</p> <p>The Person of Jesus Christ Who Jesus Christ Is: His Identity How Jesus Christ Came: His Incarnation What Jesus Christ Is Like: His Individuality</p> <p>The Work of Jesus Christ What Christ Did Before the Cross What Christ Did on the Cross What Christ Does After the Cross</p>	<p>1105</p> <p>The Nation of Israel</p> <p>The Abrahamic Covenant God's Initiation God's Fulfillment</p> <p>The Significance of the Hebrew Nation Historical Significance Theological Significance</p> <p>The Archaeological Discoveries The Old Testament Discoveries The New Testament Discoveries</p>
<p>1106</p> <p>The History of the Canon</p> <p>The Doctrine of the Bible Revelation Inspiration Authority Illumination Interpretation</p> <p>The Formation of the Bible Preparation of the Revelation Formation of the Old Testament Formation of the New Testament</p> <p>The Recognition of the Scriptures Canonicity of the Old Testament Canonicity of the New Testament</p>	<p>1107</p> <p>Friendship, Dating, and Marriage</p> <p>Friendship The Meaning of Friendship The Necessity of Friendship The Possibility for Friendship The Responsibilities in Friendship</p> <p>Dating The Distinctive Aspects of Dating The Meaning of Dating The Difficulties of Dating The Possibilities in Dating</p> <p>Marriage The Origin of Marriage The Meaning of Marriage The Purpose of Marriage The Structure of Marriage</p>	<p>1108</p> <p>The Pursuit of Happiness</p> <p>Reversion Solomon's Splendor Solomon's Sin</p> <p>Results Solomon's Search God's Solution</p> <p>Recovery God's Action Solomon's Response</p>	<p>1109</p> <p>Answers to Agnostic Questions</p> <p>Questions About the Integrity of the Bible Attitudes Mistakes Contradictions Scientific Accuracy</p> <p>Questions About the Doctrines of the Bible Christianity God Miracles Jesus Creation Evil Divine Science Unevangelized People Infant Deaths Heaven and Hell</p> <p>The Interpretation and Application of the Bible Specific Biblical Texts Practice and Experience</p>	<p>1110</p> <p>Review</p> <p>The Uniqueness of the Bible Means and Purpose of Revelation Formation and Canonicity of the Bible Findings of Archaeology</p> <p>The Book of Romans Historical Backdrop to Romans Structure and Content of Romans</p> <p>The History of Israel A Nation and a People Israel's Unbelief Israel's Influence and Significance</p> <p>The Revelation of God in the Bible Revelation and Dimensions of God's Faithfulness Revelation of God's Righteousness The Person and Work of Jesus Christ</p> <p>Principles for Christian Living Principles for Social Interaction Principles for Spiritual Maturity Principles for Defending the Faith</p>

BIBLE 1200 MAJOR THEMES II

<p>1201</p> <p>Knowing Yourself</p> <p>Your Body The Potential of the Body The Carnal Nature and the Body</p> <p>Your Spirit Spiritual Regeneration Spiritual Food and Exercise</p> <p>Your Soul Servanthood Personhood The Spirit-Controlled Man</p>	<p>1202</p> <p>Preparing for Service</p> <p>The First Commandment Love for God First Love for God Expressed</p> <p>The Second Commandment Thou Shalt Love Thy Neighbor As Thyself</p> <p>The Great Commission The Commander The Commission Areas of Duty</p>	<p>1203</p> <p>Serving in the Church</p> <p>Christ, the Head Directing Each Member Directing All Members</p> <p>The Church, Christ's Body Collective Growth and Strength Collective Stability A Collective Habitation</p> <p>Relationships Avoiding Relationship Problems Correcting Relationship Problems The Church and the World</p>	<p>1204</p> <p>Godhead</p> <p>Old Testament View of the Godhead Revelation of the Living God Names of God in the Old Testament</p> <p>The New Testament View of the Godhead The Trinity in the Gospels The Trinity in Paul's Epistles</p> <p>Historical Perspectives of the Godhead Origin of Trinitarian Formulas Development of Christian Creeds</p> <p>Man's Relationship With the Godhead Christian Faith in the Trinity Personal Faith in the Trinity</p>	<p>1205</p> <p>The Attributes of God: Holiness and Goodness</p> <p>The Holiness of God His Holy Person His Holy Place His Holy People</p> <p>The Goodness of God In His Character In His Creation In His Salvation</p>
<p>1206</p> <p>The Epistles of James and John</p> <p>James's Epistle The Man The Authenticity The Occasion The Message</p> <p>John's Epistles The Man The Authenticity The Occasion The Message: First John The Message: Second John The Message: Third John</p>	<p>1207</p> <p>Biblical Literature: Daniel</p> <p>Daniel's Influence for God Man of Conviction Interpreter of Dreams Watchman of Prayer</p> <p>Daniel's Vision From God The Four Beasts The Ram and the He-Goat The Seventy Sevens The Mighty Kings</p>	<p>1208</p> <p>Comparative Religions</p> <p>Systems of Worship The Elements of Basic Christianity The Validity of the Christian Faith The Nomenclatures Used in Christianity</p> <p>World Religions Buddhism Confucianism Hinduism Islam</p> <p>The Occult Spiritualism Psychic Phenomena Astrology</p>	<p>1209</p> <p>Wisdom for Today's Youth</p> <p>David and Solomon The Life of David The Character of David The Life of Solomon The Riches of Solomon</p> <p>Psalms and Proverbs God's Cleansing God's Comfort God's Presence God's Sovereignty God's Guidance</p> <p>The Bible and Literature Literary Styles of the Bible Prefigurations of the Bible Problem Solving in the Bible</p>	<p>1210</p> <p>Practical Christian Living for Young Adults</p> <p>Fundamentals of the Christian Faith The Nature of God The Word of God The Way of Salvation The Defense of the Faith</p> <p>Growing Toward Christian Maturity Self-Awareness Christlike Character and Conduct Spiritual Development</p> <p>Influencing the World for Christ Lifework and Ministry Spoken Testimony</p>



CURRICULUM OVERVIEW

Sunrise Edition Language Arts

In Language Arts 7, students study verb voice, subordination of ideas in sentences, verbals, adjective clauses, and adverb clauses. Each LightUnit includes at least two lessons of writing, in addition to periodic journaling exercises.

In Language Arts 8, students study infinitive phrases, transitive and intransitive verbs, compound-complex sentences, and perfect and progressive verb tenses. Each LightUnit includes at least two lessons of writing, in addition to periodic journaling exercises.

High school English includes two courses.

English I, recommended for Grade 9,* covers grammar and usage. It also includes practice in writing and speaking.

English II, recommended for Grade 11, teaches composition, research, and communication skills. Section 3 of each LightUnit focuses on literature, with selections from American, Canadian, and Christian works.

*Alternatively, students in Grade 9 can complete English I LightUnits 1-5 and the first half of *Perspectives of Life in Literature*, while students in Grade 10 complete English I LightUnits 6-10 and the last half of *Perspectives of Life in Literature*.

LEVEL	LANGUAGE ARTS
Sunrise 2nd Edition 100	<ul style="list-style-type: none"> • Grammar • Word Study • Composition • Vocabulary • Study Skills • Spelling • Penmanship
Sunrise 2nd Edition 200	
Sunrise 2nd Edition 300	
Sunrise 2nd Edition 400	
Sunrise 2nd Edition 500	
Sunrise 2nd Edition 600	
Sunrise 2nd Edition 700	
Sunrise 2nd Edition 800	
Sunrise 900	English I
Sunrise 1100	English II

Most concepts are listed only the first time they are introduced, but they are reviewed or used systematically throughout the course. Penmanship, spelling, and creative writing are included in each LightUnit.

<p>701</p> <p>Nouns; Capitalization Adjectives Verbs; Verb Tense Adverbs Sentence Structure; Sentence types; Diagramming Sentences Prepositions; Preposition or Adverb? Conjunctions; Compounds Direct Objects Indirect Objects Linking Verbs, Predicate Nominatives, and Predicate Adjectives Personal Pronouns; Nominative Case Pronouns Creative Writing: A Descriptive Paragraph Creative Writing: Introduction to Journaling</p>	<p>702</p> <p>Apostrophes in Possessive Words Participles Verbs That Can Be Action or Linking Adverbs Modify Adjectives and Adverbs Troublesome Expressions <i>Lie/Lay,</i> <i>Bring/Take, Farther/Further</i> Compound Sentences Possessive Case Pronouns Apostrophes in Plurals and Contractions Subject-Verb Agreement Interjections; The Eight Parts of Speech The Principal Parts of Verbs Creative Writing: Narrative With Dialogue Creative Writing: Polish your Dialogue</p>	<p>703</p> <p>What Is a News Article? Appositives Adverb Phrases Singular Indefinite Pronouns Conducting an Interview Objective Case Pronouns Indirect Objects or Objects of Prepositions Compound Subjects and Verbs Comma Rules Adjective Phrases Forms of Comparison Creative Writing: Writing the News Article Creative Writing: Revising and Rewriting your News Article</p>	<p>704</p> <p>Writing Historical Fiction, Part 1 Adverb Phrases That Modify Adjectives Collective Nouns Appositive Adjectives Writing Historical Fiction, Part 2 Phrase or Clause? Participial Phrases Participial Phrases With Complements Demonstrative and Interrogative Pronouns Troublesome Adjectives and Adverbs; Double Negatives Independent and Dependent Clauses Creative Writing: Writing Historical Fiction Creative Writing: Revising and Rewriting Your Story</p>	<p>705</p> <p>Gerunds; Diagramming Gerunds Using Colons Properly Punctuating Dialogue Complex Sentences Indirect Quotations; Writing a Devotional Essential and Nonessential Phrases Compound Prepositions; Troublesome Prepositions Singular Nouns With Plural Forms Plural Indefinite Pronouns; More Subject-Verb Agreement Relative Pronouns; Subordinating Conjunctions Use Specific Words Creative Writing: Writing a Devotional Creative Writing: Editing Your Devotional</p>
<p>706</p> <p>Introduction to Parallel Stories Introducing Outlines Adjective Clauses; Diagramming Adjective Clauses Semicolons From Notes to Outline Using Nominative and Objective Pronouns Correctly; Using <i>Who</i> and <i>Whom</i> Making an Outline Indefinite Pronouns That Can Be Singular or Plural Misplaced Modifiers Adverb Clauses Troublesome Prepositions Creative Writing: Writing a Parallel Story Creative Writing: Editing a Parallel Story</p>	<p>707</p> <p>What Is a Research Paper? What Is a Good Source? Choosing a Research Topic Writing a Purpose Statement; Making Your Preliminary Outline Plagiarism; Recording Notes Taking Notes More Note-Taking Writing a Complete Outline Formatting Quotations; Crediting Quotations Writing an Introduction Writing the First Draft Writing a Conclusion Revising and Editing Writing a Cover Page; Writing an Outline Page Writing the Final Copy Writing a Bibliography Page</p>	<p>708</p> <p>The Persuasive Essay Diagramming Adverb Clauses Active and Passive Voice in Verbs Punctuating a Quotation Within a Quotation Brainstorming for a Persuasive Essay Vivid Verbs Creating Dependent Clauses Unnecessary Prepositions Identifying Adjective or Adverb Clauses Choosing a Clause to Subordinate Introduction to Infinitives Creative Writing: Writing a Persuasive Essay Creative Writing: Revising and Editing a Persuasive Essay</p>	<p>709</p> <p>The Power of Poetry Meter, Part 1; Anapestic Meter Rhyme Meter, Part 2; Tetrameter, Pentameter Assonance and Consonance Theme Paradox, Hyperbole, Pun Narrative Poetry: the Ballad Structures in Bible Poetry Gerund Phrases; Diagramming Gerund Phrases Troublesome Verbs Creative Writing: Writing a Poem Creative Writing: Editing Your Poem</p>	<p>710</p> <p>Reflective Writing Modifiers and Complements in Clauses Verbals Perfect Tenses Prewriting for a Reflective Essay Appositives and Appositive Phrases Point of View in Stories Creating Figures of Speech Consistency in Verb Tense Increase Your Vocabulary Idioms Creative Writing: Writing a Reflective Essay Creative Writing: Revising and Editing a Reflective Essay</p>

Most concepts are listed only the first time they are introduced, but they are reviewed or used systematically throughout the course. Penmanship, spelling, and creative writing are included in each LightUnit.

<p>801</p> <p>Nouns Verbs Sentence Structure; Sentence Types; Diagramming Sentences Adjectives, Appositive Adjectives, and Proper Adjectives Adverbs Writing Good Sentences Linking Verbs: Predicate Nominatives, and Predicate Adjectives Prepositions Adverbs vs. Prepositions Adjective Phrases Adverb Phrases Direct Objects; Indirect Objects Personal Pronouns: Nominative, Objective, Possessive Cases Pronouns: Interrogative, Demonstrative, Compound Creative Writing: How to Write Concisely Creative Writing: How to Edit and Revise</p>	<p>802</p> <p>Writing: Using Clusters to Brainstorm Participles and Participial Phrases; Misplaced Modifiers Subject-Verb Agreement Gerunds and Gerund Phrases Writing: Organizing Clauses: Independent and Dependent (Introduces the Subordinate Clause) Relative Pronouns; Adjective Clauses Subordinating Conjunctions; Adverb Clauses Writing: Outlining in Preparation to Write Capitalization Using Semicolons and Colons Creative Writing: Writing Descriptive, Narrative, Expository, Persuasive Essays Creative Writing: Revising and Editing</p>	<p>803</p> <p>Writing: Writing About Local Historical Events Verbs: Active and Passive Voice Appositives and Appositive Phrases Punctuating Quotations; Indirect Quotations Writing: Taking Notes for History Essay Understood Relative Pronouns Singular Indefinite Pronouns Infinitives Writing: Organizing Notes Transitive and Intransitive Verbs Coordinating and Correlative Conjunctions Creative Writing: Writing a History Paper Creative Writing: Revising and Editing the History Paper</p>	<p>804</p> <p>Writing: Using Descriptions to Develop Fictional Characters Infinitive Phrases Nouns of Direct Address Punctuating Nonessential Phrases and Clauses Writing: Developing Fictional Characters Punctuating Quotations Within Quotations Principal Parts of Verbs Basic Tenses of Verbs Writing: Using Action to Develop Fictional Characters Past Perfect, Present Perfect, and Future Perfect Verb Tense Using Hyphens Creative Writing: Using Descriptions, Dialogue, and Action to Show a Character Creative Writing: Editing the Scene</p>	<p>805</p> <p>Writing: Planning a Speech Noun Clauses as Subjects and Direct Objects Interjections Simple, Compound, and Complex Sentences Writing: Outlining a Speech Infinitives Used as Adjectives Using Apostrophes Correctly in Possessive Words Using <i>Who</i>, <i>Whom</i>, <i>Whoever</i>, and <i>Whomever</i> Writing—Writing an Introduction and Conclusion for a Speech Writing Times, Dates, and Numbers Verbal Review: Participial Phrases, Gerund Phrases, Infinitive Phrases Creative Writing: Preparing and Rehearsing a Speech Creative Writing: Giving a Speech</p>
<p>806</p> <p>Writing: Figures of Speech Compound-Complex Sentences Adverbial Nouns; Adverbial Noun Phrases Pronoun-Antecedent Agreement: Number and Gender Plural Indefinite Pronouns Indefinite Pronouns that can be either Singular or Plural Noun Clauses as Predicate Nominatives and Objects of Prepositions Using Abbreviations Pronoun-Antecedent Agreement: With Indefinite Pronouns as Antecedents Parables and Fables Using <i>Accept/Except</i> and <i>Bring/Take Should Of/Should Have</i> and <i>Try To/Try And; Between/Among, In/Into</i> Creative Writing: Parable or Fable Creative Writing: Editing the Parable or Fable</p>	<p>807</p> <p>Choosing a Subject for a Research Paper Looking for Sources Bibliography Cards Developing a Purpose Statement Making a Preliminary Outline Plagiarism Using Notecards Taking Notes Writing the Outline Formatting and Crediting Quotations Writing the Rough Draft Writing the Conclusion Revising and Editing Writing a Cover Page; Writing An Outline Page Creative Writing: Finishing the Research Paper Creative Writing: Writing the Bibliography Page</p>	<p>808</p> <p>Writing: Introduction to a Literary Analysis Infinitives Used as Adverbs Italics or Quotation Marks in Titles <i>Real/Really, Bad/Badly, Good/Well</i> Writing a Literary Analysis Elliptical Clauses Adverb Clauses That Modify Adjectives and Adverbs Formal or Informal Register Using Pronouns Correctly Using Commas after Introductory Modifying Phrases and Clauses Using Commas after Conjunctive Adverbs and Transitional Expressions Pronouns in Elliptical Clauses Creative Writing: Writing a Literary Analysis Creative Writing: Revising and Editing the Literary Analysis</p>	<p>809</p> <p>Apostrophe, Allusion, Juxtaposition Rhythm in Poetry Review of Meter Introduction of Dactylic Meter Rhyme Rhythm in Poetry: Dimeter, Trimeter, Tetrameter, Pentameter Consonance, Alliteration, and Assonance Tone and Mood in Poetry Symbolism in Poetry Lyric, Narrative, and Descriptive Poetry Parodies Sonnets Word Choice in Poems Creative Writing: Writing a Poem Creative Writing: Revising and Editing the Poem</p>	<p>810</p> <p>Writing: Introduction to an Essay on Personal Beliefs Review of Gerunds and Gerund Phrases Noun Clause Review Review of Voice in Verbs Writing: Exploring and Sharing Personal Beliefs Compound-Complex Sentence Review Participial Phrase Review Compound Nouns Irregular Plurals (Words Ending in <i>ae, ix, us, um</i>) Transitive and Intransitive Verbs Progressive Tenses Creative Writing: Writing an Essay on Personal Beliefs Creative Writing: Revising and Editing the Essay</p>

SUNRISE ENGLISH I

<p>901</p> <p>nouns: common, proper, concrete, abstract, collective, count, non-count</p> <p>punctuation review</p> <p>using who and whom correctly</p> <p>adjective review</p> <p>participles & participial phrases</p> <p>Coordinating and correlative conjunctions</p> <p>Pronouns: interrogative, demonstrative, compound, indefinite</p> <p>Adjective phrases</p> <p>Appositive and appositive phrases</p> <p>Using commas and semicolons correctly</p> <p>Adjective clauses</p> <p>Relative pronouns and understood relative pronouns; identifying function within clause</p> <p>Relative pronouns: using who, whom, which, & that correctly.</p> <p>Relative adverbs</p> <p>Personal pronouns: case and person; using correctly</p> <p>Correcting dangling and misplaced modifiers</p> <p>Gearing writing for a specific audience</p> <p>Gearing writing to fit a specific purpose</p>	<p>902</p> <p>Verbs: action, being, linking</p> <p>Verb phrase</p> <p>Apostrophes in possessives</p> <p>Fragment, run-on sentence</p> <p>Transitive and intransitive verbs, identifying receiver of transitive</p> <p>Verb complements: direct and indirect object, predicate nominative and predicate adjective</p> <p>Adverbs: adverbial nouns & noun phrases</p> <p>Adverb phrases</p> <p>Active and passive voice verbs</p> <p>Infinitives & infinitive phrases functioning as adverbs</p> <p>Adverb clauses and subordinating conjunctions</p> <p>Principal parts of regular and irregular verbs</p> <p>Verb tense: past, present, future</p> <p>Writing concisely</p> <p>Writing with consistent verb tense & pronoun form</p> <p>Knowing when passive voice is acceptable</p> <p>Editing—for wordiness & redundancy</p> <p>—for consistency</p> <p>—for passive voice</p>	<p>903</p> <p>Verb tense: present perfect, past perfect, future perfect</p> <p>Interjections</p> <p>Progressive verb tenses</p> <p>Quotation marks in dialogue</p> <p>Punctuating titles correctly</p> <p>Comparative and superlative forms of adverbs and adjectives</p> <p>Objective complement</p> <p>Topic sentence of a paragraph, identifying and writing</p> <p>Using smooth transitions in writing</p> <p>Varying sentence types in writing</p> <p>Developing paragraphs with examples, description, reasons, narrative</p> <p>Organizing a paragraph in chronological order, spatial order, order of importance, comparison/contrast</p> <p>Writing a personal narrative</p> <p>Writing a character sketch</p>	<p>904</p> <p>Term verbal</p> <p>Gerunds and gerund phrases</p> <p>Verb mood: indicative, imperative, subjunctive</p> <p>Elliptical adverb clauses</p> <p>Pronoun case in elliptical clauses</p> <p>Using commas with nonessential sentence elements</p> <p>Single quotation marks</p> <p>Infinitive and infinitive phrases</p> <p>Subjects of infinitive phrases</p> <p>Using the dash correctly</p> <p>Pronoun case when used as appositive</p> <p>Collective nouns as singular or plural</p> <p>Verbal phrase review</p> <p>Planning, organizing, and writing an essay answer</p>	<p>905</p> <p>Public speaking</p> <p>Considering audience, purpose, and time limits of a speech assignment</p> <p>Selecting a subject</p> <p>Writing purpose statement</p> <p>Selecting method of organization: chronological, comparison/contrast, problem and solution, topical, spatial</p> <p>Using note cards; note-taking skills</p> <p>Researching and documenting sources</p> <p>Outlining</p> <p>Methods of introducing and concluding a speech; writing introduction and conclusion</p> <p>Good posture, gestures, and eye contact</p> <p>Expression, pitch, volume, articulation, speaking rate</p> <p>Preparing and using visual aids</p> <p>Evaluating a famous speech</p> <p>Listening skills</p> <p>Giving two speeches: a personal introduction and an expository speech</p>
<p>906</p> <p>Adjective clauses</p> <p>Relative pronouns and understood relative pronouns: identifying function within clause</p> <p>Relative adverbs and understood relative adverbs: identifying function within clause</p> <p>Adverb clauses and subordinating conjunctions</p> <p>Elliptical adverb clauses; using pronouns correctly in</p> <p>Noun clauses</p> <p>Dash, ellipsis, hyphen</p> <p>Verb review; review of three verb moods</p> <p>Objective complement review</p> <p>Review of semicolon use</p> <p>Using subordinate clauses to improve writing style</p> <p>Using parallel structure in writing</p>	<p>907</p> <p>Demonstrative & interrogative pronouns</p> <p>Personal pronouns: person, number, gender, case</p> <p>Using personal pronouns correctly; antecedents</p> <p>Indefinite pronouns: identifying, using singular & plural verbs correctly with</p> <p>Relative pronouns: identifying, using who, whom, which, & that correctly</p> <p>Compound pronouns: reflexive & intensive</p> <p>Reciprocal pronouns</p> <p>Pronoun courtesy order</p> <p>Pronoun-antecedent agreement</p> <p>Clear pronoun reference</p> <p>Taking notes from a written source</p> <p>Taking notes from a speaker</p> <p>Condensing long & stringy sentences for conciseness & variety</p>	<p>908</p> <p>Clause review</p> <p>Simple, compound, complex, & compound-complex sentences</p> <p>Conjunctive adverbs</p> <p>Using conjunctive adverbs as transitions for smoother writing style</p> <p>Coordinating, correlative, & subordinating conjunctions</p> <p>Compound parts of sentences & compound sentences: differentiating, diagramming</p> <p>Commas</p> <p>Subject-verb agreement</p> <p>Complete sentences: review fragment, run-on, and stringy</p> <p>Using brackets</p> <p>Apostrophes</p> <p>Adverbial noun review</p> <p>Review: punctuating titles</p> <p>Verbals & verbal phrase review</p>	<p>909</p> <p>Writing a research paper</p> <p>Planning, brainstorming</p> <p>Choosing a topic</p> <p>Gathering sources</p> <p>Thesis statement</p> <p>Taking notes, avoiding plagiarism</p> <p>Citations, crediting quotations</p> <p>Primary and secondary sources in research</p> <p>Using references for research</p> <p>Organizing and outlining</p> <p>Writing, editing, revising</p> <p>Title</p> <p>Acknowledging sources: quotes, citations</p> <p>Bibliography</p>	<p>910</p> <p>Writing & giving a persuasive speech</p> <p>Thinking clearly, avoiding logical fallacies</p> <p>Choosing a topic; considering audience</p> <p>Proposition</p> <p>Logical and emotional arguments</p> <p>Finding sources, research</p> <p>Organizing for most powerful persuasive effect</p> <p>Refuting opposition</p> <p>Establishing credibility</p> <p>Avoiding biased and prejudiced language</p> <p>Introduction and conclusion</p> <p>Writing, revising, editing</p> <p>Acknowledging sources: quotes, citations</p> <p>Visual aids</p> <p>Proper vocal expressions, pitch, tone, volume, articulation</p> <p>Proper gestures, facial expression, eye contact, posture, and movement</p> <p>Delivering persuasive essay as manuscript speech</p>

SUNRISE ENGLISH II

<p>1101 Usage and Literature</p> <p>English Usage Biblical guidelines for usage Levels of English usage: formal, informal, and nonstandard usage Usage and Christian objectives English usage review</p> <p>Diction Denotation and connotation Proper and improper use of emotion words Freshness versus triteness Reviewing diction</p> <p>Overview of American Literature Colonial literature: Captain John Smith, Puritan writers Founding literature: Benjamin Franklin, Thomas Paine, Thomas Jefferson, Christopher Saur, The Martyrs Mirror The nineteenth century: pre-war writers, transcendental writers, writers during and after the Civil War The twentieth century</p>	<p>1102 Clarity in Writing</p> <p>Writing With Clarity Specific nouns Strong verbs Simplicity</p> <p>Writing Sentences Sentence logic—clarity Sentence logic—consistency and simplicity Sentence balance</p> <p>Essays in American Literature Benjamin Franklin: “The Ephemera,” “The Whistle” Henry David Thoreau: “Brute Neighbors” Mark Twain: “Taming the Bicycle” Roderick L. Haig-Brown: “Close Call” E. B. White: “Will Strunk” Writing an essay</p>	<p>1103 Organization in Writing</p> <p>Writing Paragraphs The topic sentence Paragraph organization: chronological, spatial, comparison/contrast, deductive and inductive order</p> <p>Writing an Article The outline The introduction The body; writing an article The conclusion</p> <p>Periodicals and articles in American Literature Periodicals George Weller: “Emergency at Sea” Tim Cahill: “Into the Eye of a Hurricane” Allen Guelzo: “John Bunyan’s Christian at Three Hundred”</p>	<p>1104 Writing Short Stories</p> <p>Techniques of Story Writing Story element review Narration Pointers for narration: “German Potato Salad” Writing a narration</p> <p>More Techniques of Story Writing Description: “Shadows!” Practicing description Dialogue Writing a short story</p> <p>Short Stories in American Literature MacKinlay Kantor: “A Man Who Had No Eyes” Booker T. Washington: “A Slave Among Slaves” Nathaniel Hawthorne: “The Great Carbuncle” P. B. Hughes: “Catherine and the Winter Wheat” O. Henry: “After Twenty Years”</p>	<p>1105 Writing Poetry</p> <p>Understanding Poetry Meaning and cadence Design Free verse Writing Song Lyrics History of hymn writing The popular Gospel Hymns of faith Writing a song</p> <p>Poetry in American Literature Early poets: Anne Bradstreet, Edward Taylor Poets of renown: Bryant, Whittier, Poe, Longfellow Poets of change: Walt Whitman, Emily Dickinson, Edwin Markham, Sara Teasdale Later poets: Robert Frost, John H. Wheelock, Countee Cullen, Conrad Aiken</p>
<p>1106 Research</p> <p>Library Skills The librarian Library classification systems: Dewey Decimal and Library of Congress systems The card catalog The reference section</p> <p>The Research Paper Choosing the subject and gathering information Writing the paper Documenting the sources Sample research paper Writing the final draft</p> <p>Overview of Canadian Literature Early Canadian literature: before Confederation From Confederation to World War I Since World War I: Charles G. D. Roberts, E. J. Pratt</p>	<p>1107 Understanding Words</p> <p>Greek Prefixes and Roots Greek prefixes Greek roots Commonly misspelled words</p> <p>Latin Prefixes and Roots Latin prefixes Latin roots Commonly mispronounced words</p> <p>Reading From Canadian Literature Margaret Saunders: <i>Beautiful Joe</i> Sinclair Ross: “A Field of Wheat” E. J. Pratt: “The Titanic” Hugh Hood: “After the Sirens” Peter Dyck: <i>Up From the Rubble</i></p>	<p>1108 Listening and Reading Skills</p> <p>Listening Skills Fact and opinion Biblical truth Critical listening Taking notes Taking minutes</p> <p>Reading Skills Four worldviews A Christian worldview Critical reading</p> <p>Christian Literature Literature of the past Literature about the past Christian literature today: nonfiction and fiction Trends in Christian literature</p>	<p>1109 Communication Skills</p> <p>Public Speaking Oral reading Reading orally How to prepare a speech Preparing a speech Leading a discussion Giving a speech</p> <p>Drama and Visual Entertainment Introduction to drama History of drama Modern drama Biblical guidelines</p> <p>Allegory Allegory and Christianity Albert Sims: <i>Palace Beautiful</i></p>	<p>1110 Reading and Thinking</p> <p>Thinking About the Novel The novel Thinking about what to read</p> <p>Recognizing Fallacies of Logical Thinking Fallacies Fallacies involving subjectivism Fallacies involving credibility Fallacies involving logical structure</p> <p>Literature That Challenges The Apostle Paul: “Ministers of Reconciliation” Unknown writer: “2,500,000,000” John Stam: “Bearing Precious Seed” Betty Stam: “Spikenard Very Precious” Mrs. Howard Taylor: “The Martyrdom of John and Betty Stam” Unknown writer: “These All Died in Faith” Menno Simons: “Why We Preach” J. C. Ryle: “The Zealous Man” Amy Carmichael: “Make Me Thy Fuel,” “Drums in the Night” Writing to challenge</p>



CURRICULUM OVERVIEW

Sunrise Edition Reading / Literature

In Reading 7 & 8, students read stories and poems in the readers *The Road Less Traveled* and *Where Roads Diverge*. Through LightUnit exercises, students build vocabulary, examine literary elements, interpret literary techniques, identify literary genres, practice types of writing, and learn critical thinking skills.

High school literature includes two courses.

Literature I, recommended for Grade 10,* is based on *Perspectives of Life in Literature*. It includes short stories, poetry, biographies, selections on Christian victory, and allegories. It develops vocabulary, understanding of literary techniques, and thinking and composition skills.

Literature II, recommended for Grade 12, is based on *Perspectives of Truth in Literature*. Like Literature I, it includes short stories, poetry, essays, and Scripture selections. The course develops vocabulary, understanding of literary techniques, and thinking skills.

*Alternatively, students in Grade 9 can complete the first half of *Perspectives of Life in Literature* and English I LightUnits 1-5, while students in Grade 10 complete the last half of *Perspectives of Life in Literature* and English I LightUnits 6-10.

Sunrise 2nd Edition 100 <i>I Wonder</i>	Reviews skills learned in Learning to Read, introduces new phonics, comprehension, and analytical skills.
Sunrise 2nd Edition 200 <i>Helping Hands</i> <i>Happy Hearts</i>	Reviews all reading skills, adds new skills, and expands comprehension and analysis skills.
Sunrise 2nd Edition 300 <i>Doors to Discovery</i>	Each level reviews and builds on skills learned in earlier levels, leading the student into logical, coherent thinking and giving practice in study and reading skills.
Sunrise 2nd Edition 400 <i>Bridges Beyond</i>	
Sunrise 2nd Edition 500 <i>Open Windows</i>	
Sunrise 2nd Edition 600 <i>Calls to Courage</i>	
Sunrise 2nd Edition 700 <i>The Road Less Traveled</i>	
Sunrise 2nd Edition 800 <i>Where Roads Diverge</i>	
Sunrise 1000	Literature I
Sunrise 1200	Literature II

SUNRISE 2ND EDITION READING 700 – *The Road Less Traveled*

701	702	703	704	705
Characters, setting, plot Simile, metaphor Roots <i>cord, fort</i> ; prefix <i>trans</i> - Etymology Essay Words and their effects Cause-and-effect relationship Main idea Theme Point of view Personification Poetry vs. prose Imagery Poetry: free verse Descriptive writing Internal and external conflict Context clues Analogies Mood Biography, autobiography Dialect Humor Understatement Sources to verify information Poetry: rhyme scheme Poetry: repetition Poetry: enjambment, end-stopped lines Symbol Legend Claims that cannot be verified Paraphrase Parable Alliteration Poetry: iambic and trochaic meter Poetry: couplets, tercets, triplets, quatrains	Epigram Onomatopoeia Facts and opinions in nonfiction Roots <i>cred, sol</i> ; prefix <i>super</i> - Expository writing Plot diagram Extended metaphor Poetry: anapestic meter Poetry: reading aloud Characteristics of credible sources News article Static and dynamic characters Poetry: parody Sequence as an organizational pattern Idiom Folktale Persuasive techniques in nonfiction Poetry: perfect and imperfect rhyme Poetry: guidelines for scanning meter	Roots <i>merg/mers, mort, plac</i> Narrative writing Denotation and connotation Author's purpose and word choices in fiction Types of conflict: man against himself, man, nature Poetry: refrain Broad and specific setting Oxymoron Resolution and theme in fiction Dialogue Assonance Poetry: internal rhyme Allusion Blurb Irony Paradox What a story says and means and why it matters Poetry: eye rhyme	Fable Roots <i>mon, sanct, vol</i> Hyperbole Persuasive writing Premises and conclusions in arguments Poetry: repeating and contrasting Hebrew parallels Persuasive letter of appeal Foreshadowing Tone Sound arguments Advertisements Third person limited point of view	Types of faulty reasoning: appeal to emotion, appeal to majority, attacking the man Roots <i>capt/cept, hor</i> ; prefix <i>para</i> - Primary and secondary sources Third person objective point of view Sarcasm Integral and backdrop setting Historical fiction Biblical historical fiction Anecdote Major and minor characters Third person omniscient point of view Realistic fiction

SUNRISE 2ND EDITION READING 800 – *Where Roads Diverge*

801	802	803	804	805
<p>Literary techniques: alliteration, hyperbole, idiom, metaphor, onomatopoeia, personification, simile, understatement</p> <p>Etymology, root, affix</p> <p>Roots <i>fid</i>, <i>loc</i>, <i>pass</i></p> <p>Critical thinking: word analysis</p> <p>Denotation and connotation</p> <p>Foreshadowing</p> <p>Metaphoric language</p> <p>Components of plot</p> <p>Plot diagram</p> <p>Imagery</p> <p>Types of conflict: man against himself, man, nature</p> <p>Parable</p> <p>Paraphrase</p> <p>Fable, folktale, legend, myth</p> <p>Main idea</p> <p>Primary and secondary sources</p> <p>Allusion</p> <p>Biography</p> <p>Poetry: appreciation</p> <p>Poetry: rhyme scheme, types of rhyme</p> <p>Acrostic</p> <p>Poetry: narrative poem</p>	<p>Literary elements: characters, setting, plot, conflict, point of view, theme, mood</p> <p>Prefix <i>ex-</i>; roots <i>domin</i>, <i>son</i></p> <p>Critical thinking: propositions</p> <p>Theme</p> <p>Short story</p> <p>Novel</p> <p>Persuasive writing</p> <p>Advertisements</p> <p>Diction</p> <p>Poetry: reading aloud</p> <p>Poetry: enjambment, end-stopped lines</p> <p>Direct and indirect characterization</p> <p>Essay</p> <p>Paradox</p> <p>Poetry: iambic, trochaic, anapestic, dactylic meter</p> <p>Poetry: parallel structure of stanzas</p> <p>Poetry: guidelines for scanning meter</p> <p>Organizational patterns</p> <p>Symbol</p> <p>Informational text compared to narratives</p> <p>Types of indirect characterization</p>	<p>Literary genres: autobiography, biography, essay, fable, folktale, historical fiction, legend, myth, parable, realistic fiction</p> <p>Prefix <i>com-/con-</i>; roots <i>clud/clus</i>, <i>curr</i></p> <p>Critical thinking: premise, conclusion, argument</p> <p>Frame story</p> <p>Implicit theme</p> <p>Folktale</p> <p>Allegory</p> <p>Narrative writing</p> <p>Irony</p> <p>Integral and backdrop setting</p> <p>Major and minor characters</p> <p>Stereotypes</p> <p>Sarcasm</p> <p>Anecdote</p>	<p>Prefix <i>mono-</i>; roots <i>fect</i>, <i>nov</i></p> <p>Critical thinking: fallacies: appeals to authority, emotion, ignorance, majority</p> <p>Protagonist and antagonist</p> <p>Tone</p> <p>Poetry: formal verse, free verse</p> <p>Descriptive writing</p> <p>Narrative nonfiction</p> <p>Poetry: couplet</p> <p>Poetry: parody</p> <p>Alliteration</p> <p>Assonance</p> <p>Third person point of view: limited, objective, omniscient</p> <p>Satire</p> <p>Style</p> <p>Suspense</p> <p>Purposes of setting</p> <p>Denouement</p>	<p>Prefix <i>pro-</i>; roots <i>quir</i>, <i>sign</i></p> <p>Critical thinking: fallacies: after this—because of this, attacking the man, subjectivism</p> <p>Moral</p> <p>Character motivation</p> <p>Subplot</p> <p>Plot twist</p> <p>Flashback</p> <p>Narrative nonfiction compared to informational text</p> <p>Expository writing</p> <p>Poetry: completing, contrasting, repeating Hebrew parallels</p> <p>Atmosphere</p> <p>Universal theme</p> <p>Dramatic irony</p>

LITERATURE I based on *Perspectives of Life in Literature* textbook

This course is based on the CLE literature book *Perspectives of Life in Literature*.

Ten LightUnits guide the student in studying the text. The optional **Teacher's Material** introduces and gives overviews of the LightUnits, gives help in grading student work, and includes a scope and sequence and alternate LightUnit Tests. The **Answer Keys** provide answers for LightUnit exercises.

Perspectives of Life in Literature

1. (Unit 1: Short Story)

Selections: Mama and the Garfield Boys; The Horse; Second Chance; Shago; A Spark Neglected; Cache of Honor.

2. (Unit 1: cont'd)

Selections: The Mote and the Beam; Where Love is, There is God Also; Whom Shall I Fear?; The Great Stone Face; The Doctor of Afternoon Arm; Too Dark.

3. (Unit 2: Poetry)

Selections: Pippa's Song; Sheer Joy; A Psalm of Life; The Pilgrim; The Man With the Hoe; The Jericho Road; Lament; Infinity; The Triolet; The Bible; A Key to Happiness; Winter's Coming; Spring; Lord, What a Change; O God, I Love Thee; Forgiveness; Psalm 1; Psalm 43; Psalm 66; Psalm 119:9-16; Psalm 126.

4. (Unit 2: cont'd)

Selections: George Wagner; The Fool's Prayer; the Battle of Blenheim; A Fable; Prayer Answered by Crosses; The Merchant of Venice; Macbeth; Julius Caesar; What Is So Rare As A Day in June?; The Spacious Firmament; Apostrophe to the Ocean; Elegy Written in a Country Churchyard; Bad Times; Building; The Poet.

5. (Unit 2: cont'd)

Selections: Victory in Defeat; Conscience and Remorse; No Enemies; Betrayal; Blind But Happy; On His Blindness; Sympathy; A Little Bird I Am; The Crystal Christ; The Boat; Calvary; Good Friday; Bigot; Conventionality; Mending Wall; Thy Brother.

6. (Unit 3: Biography)

Selections: Menno Simons, 1496-1561; Grace Abounding to the Chief of Sinners; True . . . Till Death; William Carey, 1761-1834.

7. (Unit 4: Reflections)

Selections: Discipline; The Chariots of God; The Discipline of Deformity; Acres of Diamonds; The Man Who Planted Hope and Grew Happiness; RMS Titanic; Top Man.

8. (Unit 4: cont'd)

Selections: Diary of David Brainerd; Letters of Hermann Stohr; Though He Slay Me; Last Night of Sodom; The Self-Made Fool — Saul; Ruth, the Moabitess.

9./10. (Unit 5: Allegory)

Selections: The Parable of the Ten Virgins; Wheelbarrows; A Plea for Fishing; The Pilgrim's Progress; The Celestial Railroad.

LITERATURE II based on *Perspectives of Truth in Literature* textbook

This course is based on the CLE literature book *Perspectives of Truth in Literature*.

There are four units in the textbook: an anthology of literature about truth, short stories, poetry, and essays.

The **textbook** has exercises to develop vocabulary, reading comprehension, thinking skills, reading speed, and composition skills.

The optional **Teacher's Material** gives objectives, explanations of exercises, and an answer key for the text exercises.

Student materials include a student study guide (which divides the textbook units into ten study units—each with Self Checks and discussion suggestions) and a final [LightUnit] test for each study unit.

1. (Unit 1: Anthology of Literature About Truth)

Selections: The Children of Truth; The Children of a Liar; Truth Crushed to Earth; With Whom Is No Variableness; Truth; Of Truth; All Truth Is God's Truth; The Authority of the Scriptures; Revelation; God's Word; We Search the World for Truth; God's Unchanging Word; The Bible.

2. (Unit 2: Short Story: Theme)

Selections: Those Who Will Not Learn Must Feel; How Much Land Does a Man Need?; Quality; There Will Come Soft Rains; The Apprentice.

3. (Unit 2 cont'd: Character)

Selections: The Piece of String; Mr. Brownlee's Roses; David Kills Goliath; Parable of the Birthday Candles; The Frill; The Parable of the Lost Son; The Bishop's Candlesticks.

4. (Unit 2 cont'd: Plot)

Selections: Limb in a Desert; They Grind Exceeding Small; The Silver Mine. Write a short story.

5. (Unit 3: Poetry)

Selections: Trees; Pretty Words; The Bells; Psalm 42; God Is at the Anvil; The Eagle; Pied Beauty; When I Heard the Learn'd Astronomer; Stars.

6. (Unit 3 cont'd)

Selections: To a Waterfowl; The Lamb; Lines Written in Early Spring; I Saw God Wash the World; The Tuft of Flowers; Inscriptions on a Sundial; Evening Star; The Song of Moses; Sound the Loud Timbrel; The Destruction of Sennacherib; Religion and Doctrine.

7. (Unit 3 cont'd)

Selections: The Convergence of the Twain; A Land That Man Has Newly Trod; Paradox; Fueled; Space Age; Ozymandias; Requiem for a Modern Croesus; Gold; Richard Cory; Myself; Four Things; Be Strong.

8. (Unit 4: Essay)

Selections: A Great Teacher's Method; The Blind Preacher; The Works of Creation; Poetry and Mystery of the Sea; The English Skylark; The Mockingbird; Seasonal Skyscape; The Geometry of the Spider's Web.

9. (Unit 4 cont'd)

Selections: To See It Fall; The Art of Discouragement; That Satisfied Feeling; The Seat of the Scornful; Who Hath Woe?; The Venomous Worm; The Town Pump.

10. (Unit 4 cont'd)

Selections: Deny Self and Imitate Christ; The Witness of Hans Bret; A Letter From Hans Bret; My Experience With Christ. Two editorials and an essay selected by the student (or teacher).



CURRICULUM OVERVIEW

Sunrise Edition Mathematics

CLE Sunrise Math (Grades 1-9) uses the incremental method of teaching. Each Sunrise Math LightUnit introduces small increments from several branches of mathematics simultaneously. Most of each day's lesson concentrates on rotating review of previously-learned concepts. This constant review helps students master math concepts with a daily variety of material. Teachers' guides are essential for grades 1-2, recommended for grades 3-4, and useful for math teachers of higher levels.

Memorization of the basic number facts in all four operations is emphasized in the first four grades, using daily oral exercises, our own built-in flash-card system, and daily speed drills with charts that give each child visible evidence of his/her progress. Basic geometry, the money system, problem solving, mental math, and number patterns are also introduced early and constantly reviewed for mastery.

The metric and U.S. systems of measurement are taught simultaneously with equal emphasis. Hands-on exercises teach concepts of space and quantity early in the curriculum.

Beginning in Grade 5, basic algebra concepts are incorporated along with more complex arithmetic skills such as long division, decimals, and fraction operations. True-to-life story problems with a Biblical worldview help children understand how math permeates daily life.

Grades 7 and 8 assume mastery of basic arithmetic, and concentrate on consumer math, geometry, and pre-algebra. Students who successfully complete Sunrise Math 700-800 should be able to move directly into any basic Algebra 1.

The first LightUnit in each grade level, beginning with Math 201, is a review of concepts that should have been mastered in the previous grade. These "-01" LightUnits may be used as diagnostic tools along with, or in place of, our Math Diagnostic Tests to determine whether new or incoming students are ready for the rest of that level.

Each of the remaining nine LightUnits in levels 200-800 has a special-interest theme that appears in story problems, nuggets of information, and in some of the teaching lessons. For instance, Math 400 focuses on different countries of the world; Math 600 gives facts about famous mathematicians in history, and Math 700-800 devote each LightUnit to a particular occupation.

Having mastered basic concepts and skills in grades 1-8, the student proceeds to the study of more advanced mathematics in levels 900 through 1200.

LEVEL	MATHEMATICS
Sunrise 100	Basic Arithmetic Skills
Sunrise 200	
Sunrise 300	
Sunrise 400	
Sunrise 500	
Sunrise 600	
Sunrise 700	
Sunrise 800	
Sunrise 900	Algebra 1
1000	Geometry
Sunrise 1100	Algebra 2
1200	Functions Trigonometry

<p>701</p> <p>Tests these skills and concepts: Geometry Facts Division with three-digit divisors Geometry applications Division with decimals Using formulas Percent concepts Fraction multiplication Percent applications Expressions and equations Proportions Exponents, integers, and coordinates Primes and factors Division puzzle</p>	<p>702</p> <p>Section 1 Formula for the area of a parallelogram Finding digit sums by casting out nines Multiplying to solve equations Christian giving Fascinating discoveries: golden triangle</p> <p>Section 2 Formula for the area of a trapezoid Writing mixed number percents as decimals without rounding Using prime factors to find the greatest common factor Graphs and statistics: tally charts Fascinating discoveries: digit sums pattern</p> <p>Section 3 Using digit sums to check multiplication Finding the areas of irregular shapes Subtracting negative integers Adding, subtracting, and multiplying mixed measures Percent equivalents for thirds and sixths Fascinating discoveries: golden rectangles and Fibonacci numbers</p>	<p>703</p> <p>Section 1 Formula for the volume of a triangular prism Changing fractional percents to decimals without rounding Multiplying expressions that include variables Figuring commissions Fascinating discoveries: the plane</p> <p>Section 2 Finding the missing dimensions for area and perimeter of a rectangle Converting between miles and kilometers Fractional answers in two-step equations Graphs and statistics: drawing bar graphs Fascinating discoveries: graphing relationships</p> <p>Section 3 Using digit sums to check division Rounding mixed numbers to the nearest whole number Equations, inequalities, and variables Dividing mixed measures Using proportions to convert between U.S. and metric measures Fascinating discoveries: hidden parallelograms</p>	<p>704</p> <p>Section 1 Solving two-step equations with multiplication Solving inequalities ($<$ $>$) Symbols for congruent and similar Constructing congruent line segments Honesty in graphing information Fascinating discoveries: dividing by zero is not allowed</p> <p>Section 2 Graphing solutions ($>$ $<$ $=$) Percents in story problems: dealing with the remainder Finding missing angle measures in triangles Graphs and statistics: building pictographs Fascinating discoveries: calendar puzzles</p> <p>Section 3 Simplifying and solving expressions in equations Simplifying complex fractions Using fractional equivalents of percents in story problems Converting between liters and gallons Decimal and percent equivalents for eighths Fascinating discoveries: an endless number loop</p>	<p>705</p> <p>Section 1 Constructing congruent angles Solving inequalities and graphing their solutions Combining numbers and words to express large numbers Understanding depreciation Fascinating discoveries: everyday metric</p> <p>Section 2 Listing prime factors using exponents Memorizing the powers of the smaller numbers Reflex angles Formula for the volume of a cylinder Graphs and statistics: building line graphs Fascinating discoveries: nonstandard units of measure</p> <p>Section 3 Calculating increase and decrease Order of operations with exponents Classifying triangles Powers of ten Converting between kilograms and pounds Fascinating discoveries: more powers of ten</p>
<p>706</p> <p>Section 1 Bisecting an angle Multiplying positive and negative integers Multiplying two negative integers The cost of installment buying Fascinating discoveries: reflections; flipping the figure</p> <p>Section 2 Combining integers in vertical form Dividing with negative integers Solving fraction questions using proportions Graphs and statistics: reading circle graphs and calculating sector percents Fascinating discoveries: translations; sliding the figure</p> <p>Section 3 The exponents 1 and 0 Finding the missing dimensions for any measurement formula Negative exponents as fractions Complementary and supplementary angles Converting between inches and centimeters Fascinating discoveries: rotation; turning the figure</p>	<p>707</p> <p>Section 1 Bisecting a line segment Combining like terms to simplify and solve Negative exponents as decimals Interest on savings and loans Fascinating discoveries: networks</p> <p>Section 2 Polyhedra Translating words into expressions or equations Finding the percent of increase or decrease Graphs and statistics: calculating degrees for circle graph sectors Fascinating discoveries: the Konigsberg problem</p> <p>Section 3 Finding mean, median, and mode Finding the surface area of prisms Choosing equations for problems Using the distributive property to simplify and solve Converting between meters and yards Fascinating discoveries: the Konigsberg solution</p>	<p>708</p> <p>Section 1 Multiplying variable with exponents Symbols for perpendicular and parallel Constructing parallel lines The range of data Calculating interest in months Fascinating discoveries: Noah's ark; volume</p> <p>Section 2 Symbols for sets Bible measures of length Using powers of ten to expand numbers Graphs and statistics: histograms Fascinating discoveries: Noah's ark versus a tractor trailer</p> <p>Section 3 Using prime factorization to find the LCM Finding complements, supplements, and opposites Venn diagrams for the universal set, sets, and subsets Points on a coordinate plane Converting between teaspoons and milliliters Fascinating discoveries: the ark versus railroad cars.</p>	<p>709</p> <p>Section 1 Bible measures of capacity (dry) Bible measures of capacity (liquid) Constructing a perpendicular from a point to a line Finding any part of the distance formula Figuring operating expenses Fascinating discoveries: a problem with length</p> <p>Section 2 Venn diagrams for intersection of sets Disjoint sets The empty set Arcs and semicircles Linear relations Graphs and statistics: choosing an appropriate graph to display data Fascinating discoveries: Venn diagram challenge</p> <p>Section 3 Metric and U.S. measures of land area Understanding scientific notation Converting between Celsius and Fahrenheit temperatures Map scales using proportions The complement of a set Fascinating discoveries: Venn diagram challenge</p>	<p>710</p> <p>Section 1 Old Testament shekels and talents Special sets of numbers Writing numbers in scientific notation Finding unit price to the nearest cent Fascinating discoveries: circle of beads</p> <p>Section 2 Diagonals of polygons Twenty-four-hour digital time Graphing linear equations Graphs and statistics: double line graphs Fascinating discoveries: diagonal diversion</p> <p>Section 3 New Testament measures of weight and money Using prime factors to reduce fractions Scale drawings using proportions The relationship of volume to capacity in the metric system Constructing a congruent figure using a reflection Fascinating discoveries: tessellations</p>

MATHEMATICS TEXTBOOK 7

<p>Unit 1</p> <p>Number Properties; Focusing on Facts; Identifying and Locating Points on a Grid</p> <p>Simplifying Expressions; Adding and Subtracting Fractions</p> <p>Identifying Parts of a Solid; Combining Integers</p> <p>Dividing Whole Numbers</p> <p>Understanding Exponents; Multiplying Fractions</p> <p>Converting From Ratios to Decimals, Percents, or Fractions</p> <p>Solving Word Problems</p> <p>Finding Prime Factors</p> <p>Solving and Checking Equations</p> <p>Simplifying Expressions by Substituting Variables With Numbers; Dividing Fractions</p> <p>Converting Percents Greater Than 100%; Naming, Measuring, and Classifying Angles</p> <p>Simplifying Expressions by Combining Like Terms; The Distributive and Associative Properties</p> <p>Identifying Quadrilaterals</p>	<p>Unit 2</p> <p>Dividing Decimals; Identifying Parts of a Circle</p> <p>Dividing to Solve Equations; Finding a Percent of a Number and Computing Sales Tax</p> <p>Formulas for the Area of Polygons; Converting Fractions to Decimals</p> <p>Making a Tally Chart</p> <p>Repeating Decimal Quotients; Formula for Perimeter and Volume</p> <p>Using Prime Factors to Find Greatest Common Factor; Converting Mixed Number Percents to Decimals</p> <p>Formula for the Circumference of a Circle; Using Proportions to Convert U.S. Measures</p> <p>Dividing to Solve Two-Step Equations</p> <p>Finding the Area of Irregular Shapes</p> <p>Subtracting Integers</p> <p>Classifying Triangles by Angles and Sides</p> <p>Multiplying to Solve Equations</p> <p>Using Proportions to Solve Percent Problems</p>	<p>Unit 3</p> <p>Formula for the Area of a Circle</p> <p>Multiplying Expressions That Include Variables</p> <p>Calculating Discount and Sale Prices</p> <p>Building Bar Graphs</p> <p>Finding the Missing Dimension for the Area and the Perimeter of a Rectangle</p> <p>Solving Equations With Fractional Solutions; Adding, Subtracting, and Multiplying Mixed Units of Measure</p> <p>Finding Commission</p> <p>Using a Proportion to Convert Between Miles and Kilometers</p> <p>Formula for the Area of a Trapezoid</p> <p>Rounding Mixed Numbers to the Nearest Whole Number</p> <p>Equations, Inequalities, and Variables</p> <p>Dividing Mixed Measures</p> <p>Converting Fractional Percents to Decimals</p>	<p>Unit 4</p> <p>Measuring Angles of a Triangle</p> <p>Multiplying to Solve Two-Step Equations</p> <p>Solving Percent Word Problems With Remainders; Decimal and Percent Equivalents for Eighths</p> <p>Building Pictographs</p> <p>Identifying Congruent and Similar Figures</p> <p>Solving Inequalities</p> <p>Simplifying Expressions and Solving Equations</p> <p>Using Proportions to Convert Between Gallons and Liters</p> <p>Honesty in Graphing Information</p> <p>Graphing Solutions ($=, <, >$)</p> <p>Using Fractional Equivalents of Percents in Word Problems</p> <p>Constructing Congruent Line Segments</p> <p>Finding Missing Angle Measurements in Triangles</p>	<p>Unit 5</p> <p>Combining Numbers and Words to Express Large Numbers</p> <p>Formula for the Volume of a Triangular Prism</p> <p>Order of Operations With Exponents and Square Roots</p> <p>Building Line Graphs</p> <p>Identifying Reflex Angles</p> <p>Using Exponents to List Prime Factors</p> <p>Calculating Depreciation</p> <p>Using Proportions to Convert Between Pounds and Kilograms</p> <p>Calculating Unit Price to the Nearest Cent</p> <p>Graphing Solutions (\geq, \leq)</p> <p>Calculating the Amount of Increase or Decrease</p> <p>Formula for the Volume of a Cylinder</p> <p>Simplifying Complex Fractions</p>
<p>Unit 6</p> <p>Constructing Congruent Angles</p> <p>Multiplying Numbers When the Signs Are Different</p> <p>The Cost of Installment Buying</p> <p>Reading Circle Graphs and Calculating Sector Percents</p> <p>Finding Any Missing Dimension</p> <p>Multiplying Numbers When the Signs Are the Same</p> <p>Rules for Exponents of 1 and 0</p> <p>Using a Proportion to Convert Between Inches and Centimeters</p> <p>Using Proportions to Solve Fraction Questions</p> <p>Identifying Complementary and Supplementary Angles</p> <p>Dividing Negative Numbers</p> <p>Multiplying Variables With Exponents</p> <p>Using the Formula to Find Distance</p>	<p>Unit 7</p> <p>Bisecting an Angle</p> <p>Translating Words to Numbers and Symbols</p> <p>Combining Like Terms to Simplify and Solve Equations</p> <p>Calculating Degrees for Circle Graph Sectors</p> <p>Identifying Polyhedra and Their Nets</p> <p>Choosing Equations for Word Problems</p> <p>Finding Mean, Median, and Mode</p> <p>Using a Proportion to Convert Between Yards and Meters</p> <p>Finding the Surface Area of a Prism</p> <p>Interest on Savings and Loans</p> <p>Using the Distributive Property to Simplify and Solve Equations</p> <p>Calculating the Percent of Increase and Decrease</p> <p>Writing Negative Exponents as Decimals</p>	<p>Unit 8</p> <p>Bisecting a Line Segment</p> <p>Symbols for Sets</p> <p>Calculating Interest for Months</p> <p>Histograms</p> <p>Using the Distance Formula to Find Rate and Time; Finding the Range of a Set of Data</p> <p>Venn Diagrams for Universal Sets, Sets, and Subsets</p> <p>Dividing Variables With Exponents</p> <p>Converting Between Teaspoons and Milliliters</p> <p>Finding Complements, Supplements, and Opposites</p> <p>Points on a Coordinate Plane</p> <p>Using Powers of Ten to Expand Numbers</p> <p>Converting Bible Measures of Length</p> <p>Using Prime Factorization to Find the LCM</p>	<p>Unit 9</p> <p>Constructing Parallel Lines</p> <p>Making a Table of Values</p> <p>Calculating Operating Expenses</p> <p>Choosing Appropriate Graphs to Display Data</p> <p>Venn Diagram for Intersection of Sets</p> <p>Graphing Linear Relations</p> <p>Disjoint Sets and the Empty Set</p> <p>Converting Bible Measures of Capacity to Standard Measures</p> <p>Complement of a Set</p> <p>Map Scales Using a Proportion</p> <p>Changing Standard Form to Scientific Notation</p> <p>Converting Between Celsius and Fahrenheit Temperatures</p> <p>U.S. and Metric Land Area Measures</p>	<p>Unit 10</p> <p>Constructing a Perpendicular Line From a Point to a Line</p> <p>Graphing Linear Equations</p> <p>Changing Scientific Notation to Standard Form</p> <p>Reading Double Line Graphs</p> <p>Converting Bible Measures to Standard Measures</p> <p>Identifying Diagonals of Polygons</p> <p>Special Sets of Numbers</p> <p>Using Prime Factorization to Reduce Fractions</p> <p>Comparing Old Testament Shekels and Talents</p> <p>Twenty-Four-Hour Digital Time</p> <p>Using a Proportion to Find the Actual Size of a Scale Drawing</p> <p>The Relationship of Volume to Capacity in the Metric System</p> <p>Using Reflection to Construct a Congruent Figure</p>

<p>801</p> <p>Tests these skills and concepts: Integer computation Math facts to know Solving equations Percent concepts Area and volume Expressions Percent applications Geometry Prime numbers U.S./metric conversions Inequalities</p>	<p>802</p> <p>Section 1 Finding the areas of irregular shapes containing circle parts Using prime factorization to find the LCM The distributive property with negative numbers Profit and loss Fascinating discoveries: The Greek Cross</p> <p>Section 2 Finding the surface area of pyramids The subtraction/negative sign Understanding probability Expressing certainty Visualizing probabilities Bar graphs Fascinating discoveries: faithful formulas for surface areas of pyramids and prisms</p> <p>Section 3 The Pythagorean Theorem Showing profit and loss as a percent of sales Using the interest formula for partial years Points on a coordinate plane Fluid ounces, pints, quarts, and gallons Fascinating discoveries: the 3-4-5 Rule</p>	<p>803</p> <p>Section 1 Constructing congruent triangles Squaring fractions and decimals Like terms in expressions Automobile purchase costs Fascinating discoveries: angel food cakes</p> <p>Section 2 Simplifying expressions that include different variables Finding the surface area of cylinders Using numbers for probability Graphs and statistics: Bar-in-a-bar graph Fascinating discoveries: density of water – Part 1</p> <p>Section 3 Changing fractional percents to decimals (with rounding) Simplifying expressions that include exponents Linear relations Rational and irrational numbers Perfect squares and irrational square roots Fascinating discoveries: density of water – Part 2</p>	<p>804</p> <p>Section 1 Multiplying combinations of variables, constants, and exponents Constructing congruent angles Probability with more than two options Convenient store pricing Fascinating discoveries: using your watch to determine your speed</p> <p>Section 2 Solving equations with a squared variable Finding the surface area of cones Finding square roots on a calculator Graphs and statistics: Circle graph Fascinating discoveries: negative roots</p> <p>Section 3 Finding lengths using the Pythagorean Theorem The relationship of volume to capacity in U. S. measures Counting change from a cash register display Order of operations with grouping symbols: parentheses, brackets, and braces Graphing linear equations Fascinating discoveries: understanding the formula for surface area of cones</p>	<p>805</p> <p>Section 1 Finding volume with varied units Constructing a triangle with three given sides Reducing algebraic fractions Generic and store brand items Fascinating discoveries: sums, squares, and differences</p> <p>Section 2 Graphing linear equations on a coordinate plane Scientific notation Probability and percents Histograms Fascinating discoveries: calculator fun</p> <p>Section 3 Dividing variables with exponents Formula for the surface area of a sphere Overhead (fixed costs) Unit price: Changing thousandths of a dollar to tenths of a cent Multiplying numbers in scientific notation Fascinating discoveries: 3 x 3 squares.</p>
<p>806</p> <p>Section 1 Markup and selling price Constructing a triangle with two given sides and a given angle (SAS) Finding the volume of pyramids and cones Introduction to insurances Fascinating discoveries: constructing regular hexagons and equilateral triangles</p> <p>Section 2 Simplifying expressions with division bars Using the percent proportion to solve story problems Combination probability Line graphs Fascinating discoveries: constructing geometric designs</p> <p>Section 3 Distances between points Mental multiplication using the distributive property Dividing numbers in scientific notation Counting back change without a cash register Measuring electricity: kilowatt-hours Fascinating discoveries: reading an electric meter</p>	<p>807</p> <p>Section 1 Solving equations with fractional coefficients Constructing a triangle with two given angles and their contained side Chain discounts Calculating insurance premiums Fascinating discoveries: divisibility rule for 11</p> <p>Section 2 Solving equations with negative numerical coefficients Extracting the square root Multiple probability Graphs and statistics: multiple line graphs Fascinating discoveries: divisibility rule for 7</p> <p>Section 3 Opposite and adjacent sides in trigonometry Simplifying after multiplying or dividing in scientific notation Unit price to tenths of cent Making change without a cash register when the customer gives both bills and coins Levels of precision Fascinating discoveries: divisibility rule for thirteen</p>	<p>808</p> <p>Section 1 Multiplying negative numbers in a series Simplifying negative numbers with exponents Formula for the volume of a sphere Measuring electricity: Volts, amperes, and watts Property tax in mills Fascinating discoveries: divisibility rule for seventeen</p> <p>Section 2 Multiple probability without replacement Variables on both sides of a simple equation Multiplying square roots Graphs and statistics: Pictographs Fascinating discoveries: divisibility rule for nineteen</p> <p>Section 3 The multiplication principle of counting Introduction to sine, cosine, and tangent Unit price: Dissimilar units Using proportions to solve fraction story problems The trigonometry chart Fascinating discoveries: gold and silver softballs</p>	<p>809</p> <p>Section 1 Variables on both sides of a complex equation Compound interest Counting significant digits Vehicle insurance Fascinating discoveries: compound interest formula</p> <p>Section 2 Permutations Which is the better buy? Rounding according to significant digits Graphs and statistics: Rectangle graphs Fascinating discoveries: exponential Christianity</p> <p>Section 3 Solving Inequalities: Multiplying or dividing by a negative number Sine, cosine, and tangent applications Volume of an irregular solid Percentiles Combining square roots Fascinating discoveries: how wide is the river?</p>	<p>810</p> <p>Section 1 Recognizing wants and needs Budgeting – Tracking present expenses Writing a check Important safety tips for writing a check Budgeting – Projecting future expenses Credit cards Keeping a check register Debit and ATM cards Other checking account transactions Budgeting – Making it work Cashing or depositing a check Recording expenses using a multicolumn journal Reconciling your check register with your bank statement The path of a check</p>

MATHEMATICS TEXTBOOK 8

<p>801</p> <p>Working With Fractions; Fraction, Decimal, and Percent Equivalents Order of Operations; Finding Mean, Median, Mode, and Range Reviewing Basic Geometric Formulas; Multiplying Terms by a Constant Solving and Checking Equations Changing Mixed and Fraction Percents to Decimals; Solving Algebraic Word Problems Finding the Area of Irregular Figures; Finding the Volume of Prisms and Cylinders Combining Integers; Multiplying and Dividing Numbers Calculating Mixed Units of Measure Finding the Missing Dimension of Geometric Figures Using the Distributive Property; Using Prime Factorization to Find the GCF Using the Factor-Label Method to Convert Between Measures Solving Equations and Inequalities and Graphing Solutions Simplifying Complex Fractions</p>	<p>802</p> <p>Calculating the Amount of Increase or Decrease Finding the Surface Area of Pyramids Using Prime Factorization to Find the LCM; Combining More Than Two Integers Calculating Profit or Loss Calculating Percent of Increase or Decrease Using Proportions to Solve Percent Word Problems Simplifying Expressions With Variables Reading and Constructing Bar Graphs Fraction Equivalents of Percents in Word Problems; Fluid Ounce Equivalents The Pythagorean Theorem Calculating Profit or Loss as a Percent of Sales Simplifying Expressions Before Solving Equations Using the Interest Formula</p>	<p>803</p> <p>Understanding Probability and Expressing Levels of Certainty Plotting and Locating Points on a Coordinate Plane Automobile Purchase Costs Constructing Congruent Triangles Finding the Surface Area of Cylinders Calculating Commission Expressing Probability as a Ratio Reading and Constructing Bar-in-a-Bar Graphs Identifying Rational and Irrational Numbers Graphing Linear Relations Using the Interest Formula for Partial Years Solving Fraction Questions; Simplifying Expressions With Variables and Exponents Perfect Squares and Irrational Numbers</p>	<p>804</p> <p>Multiplying Identical Bases With Exponents Constructing Congruent Angles Convenience Store Pricing Solving Equations With a Squared Variable Finding the Surface Area of Cones Finding Square Roots on a Calculator Multistep Unit Conversions Constructing and Reading Circle Graphs Finding Lengths Using the Pythagorean Theorem The Relationship of Volume to Capacity in U.S. Measures Probability With More Than Two Options Order of Operations With Grouping Symbols Solving and Graphing Linear Equations</p>	<p>805</p> <p>Adding and Subtracting Fractions Horizontally; Finding Volume With Varied Units of Measure Constructing a Triangle With Three Given Sides Reducing Algebraic Fractions Generic and Store-Brand Items Graphing Linear Relations With Negative Solutions Expressing Numbers in Scientific Notation Probability Expressed as a Percent Constructing a Histogram Multiplying Terms With Exponents Finding the Surface Area of Spheres Overhead Costs Using the Factor-Label Method to Convert Rates Multiplying Numbers in Scientific Notation</p>
<p>806</p> <p>Calculating Markup and Selling Price Constructing a Triangle From Two Given Sides and a Given Angle (SAS) Finding the Volume of Cones and Pyramids Introducing Insurances Simplifying Expressions With Division Bars Using the Percent Proportion to Solve Percent Word Problems Combination Probability Reading and Constructing Line Graphs Distance Between Points on a Coordinate Plane Using the Distributive Property to Simplify Multiplication Dividing Expressions With Identical Bases Measuring Electricity: Kilowatt-Hours Counting Back Change Without a Cash Register</p>	<p>807</p> <p>Solving Equations With Fraction Coefficients Constructing a Triangle From Two Given Angles and a Given Side (ASA) Calculating Chain Discounts Calculating Insurance Premiums Solving Equations With Negative Numerical Coefficients Dividing Numbers in Scientific Notation Multiple Probability Constructing and Reading a Double Line Graph Opposite and Adjacent Sides in Trigonometry Simplifying After Multiplying or Dividing in Scientific Notation Calculating Unit Price to the Nearest Tenth of a Cent Levels of Precision Counting Change When Customer Gives Both Bills and Coins</p>	<p>808</p> <p>Multiplying Negative Numbers in a Series Finding the Volume of Spheres Measuring Electricity: Volts, Amperes, and Watts Calculating Property Tax Multiple Probability Without Replacement Solving Equations With a Variable on Both Sides of the Equal Sign Multiplying Square Roots Reading and Constructing Pictographs The Multiplication Principle of Counting Introducing Sine, Cosine, and Tangent Unit Price With Different Units of Measure Using Proportions to Solve Fraction Word Problems Introducing the Trigonometry Chart</p>	<p>809</p> <p>Variables on Both Sides of a Complex Equation Counting Significant Figures Compound Interest Paying Vehicle Insurance Permutations Comparing Size and Price to Find the Best Value Rounding According to Significant Figures Constructing and Reading Rectangle Graphs Solving Inequalities: Multiplying or Dividing by a Negative Number Using Sine, Cosine, and Tangent Finding the Volume of Irregular Solids Computing Percentiles Combining Square Roots</p>	<p>810</p> <p>Introduction to Banks Making a Deposit Writing a Check Using a Check Register Introducing a Bank Statement Reconciling a Bank Statement If the Bank Statement and the Check Register Do Not Agree Using Credit Cards Recording Automatic Transactions Using Debit Cards and ATMs Recognizing Needs and Wants Recording Income and Expenses Making a Budget Recording Expenses Using a Multicolumn Journal Preparing Year-End Reports</p>

<p>Unit 1</p> <p>Types of numbers Graphing real numbers; absolute values Real number properties; fractions Adding and subtracting fractions Adding positive and negative numbers Multiplying and dividing fractions; arithmetic with decimals Subtracting positive and negative numbers Variables, constants, and algebraic expressions Applications of positive and negative numbers Multiplying positive and negative numbers Dividing positive and negative numbers Ratios and percents</p>	<p>Unit 2</p> <p>Exponents; exponents and negative signs Translating from word expressions to math expressions Operations with exponential expressions Order of operations Using parentheses to translate from word expressions to math expressions Combining like terms Multiplying terms Dividing terms The distributive property Roots and radicals Recognizing and representing values algebraically Equations</p>	<p>Unit 3</p> <p>The distributive property and division Mathematically related values Solving more complex equations Polynomials Factors and factoring Adding polynomials Greatest common factor Complex relationships between values Solving equations with fractions or decimals Subtracting polynomials Factoring the greatest common factor from a polynomial Simplifying radicals</p>	<p>Unit 4</p> <p>Solving literal equations Setting up equations Simplifying radicals with variables Solving two-variable equations Multiplying binomials Graphing ordered pairs Graphing inequalities Graphing two-variable (linear) equations Graphing compound inequalities: conjunctions and disjunctions Multiplying larger polynomials Slopes of linear equation graphs Squaring binomials</p>	<p>Unit 5</p> <p>The slope formula Establishing equalities using geometry or additional quantities Multiplying radicals Graphing from the slope-intercept form Mean, median, and mode Solving inequalities Including the value of items in equations Simplifying radicals with numbers and variables Multiplying sum and difference binomials Writing the equation of a graph Establishing equalities for rates and mixtures Factoring a difference of squares</p>
<p>Unit 6</p> <p>Graphing from the x- and y- intercepts Factoring perfect square trinomials Systems of linear equations Solving systems of equations by substitution Stem-and-leaf plots Factoring trinomials in the form $x^2 + bx + c$ Direct variation: $y = kx$ Rational expressions: canceling factors Solving systems of equations by addition/elimination Reviewing uses of the negative sign Equalities between identical formulas Multiplying rational expressions</p>	<p>Unit 7</p> <p>Solving systems of equations by multiplication/addition Factoring by grouping Writing a linear equation from a point and a slope Dividing rational expressions Range and standard deviation Factoring trinomials in the form $ax^2 + bx + c$ Adding and subtracting radicals Writing a linear equation from two points Equalities between interest applications Graphing linear inequalities Inverse variation: $y = kx$ Dividing a trinomial by a binomial</p>	<p>Unit 8</p> <p>Factoring completely Writing equivalent rational expressions Adding and subtracting rationals with common denominators Graphing systems of linear inequalities Box-and-whisker plots and outliers Dividing polynomials with remainders Lowest common denominator Quadratic equations: solving by factoring Rational expressions: excluded values Solving applications by using systems of equations Functions Dividing larger polynomials</p>	<p>Unit 9</p> <p>Quadratic equations: taking the square root of both sides Dividing radicals Adding and subtracting rationals with unlike denominators Rationalizing denominators Scatter plots Equations: completing the square Dividing polynomials with missing terms Complex rational expressions Quadratic equations: solving by completing the square The domain of a function Solving rational expressions Quadratic equations: the quadratic formula</p>	<p>Unit 10</p> <p>Fractional exponents Absolute value equations Canceling in unit conversion Graphing absolute value inequalities Best fit lines and extrapolation The discriminant of a quadratic equation Multiplying and dividing with fractional exponents Longer unit conversions probability Applications using inequalities Function notation Graphing a system with an equation and an inequality</p>

<p>1001</p> <p>A Mathematical System</p> <p>Undefined Terms Points Lines Planes</p> <p>Basic Definitions A Definition of Definitions Geometric Terms</p> <p>Geometric Statements Postulates Theorems</p>	<p>1002</p> <p>Proof</p> <p>Logic Conjunction Disjunction Negation Conditional Converse, Inverse, Contrapositive</p> <p>Reasoning Induction Deduction</p> <p>Proof Formats The Two-Column Proof The Paragraph Proof</p>	<p>1003</p> <p>Angle Relationships and Parallels</p> <p>Angle Definitions and Measurements Angle Definitions Angle Measurement</p> <p>Angle Relationship and Theorems Relationship Definitions Theorems</p> <p>Parallels Basic Properties Transversal and Special Angles</p> <p>Applying Parallels to Polygons Triangles Other Polygons</p>	<p>1004</p> <p>Congruent Triangles and Quadrilaterals</p> <p>Triangles Defining Congruent Triangles Proving Triangles Congruent Proving Right Triangles Congruent</p> <p>Corresponding Parts Independent Triangles Overlapping Triangles Isosceles Triangles</p> <p>Inequalities Inequalities in One Triangle Inequalities in Two Triangles</p> <p>Quadrilaterals Parallelograms Trapezoids</p>	<p>1005</p> <p>Similar Polygons</p> <p>Principles of Algebra Ratios and Proportions Properties of Proportions</p> <p>Similarity Theorems About Similar Polygons Theorems About Similar Triangles</p> <p>Right Triangles Geometry Trigonometry Indirect Measure</p>
<p>1006</p> <p>Circles</p> <p>Circles and Spheres Characteristics of Circles Characteristics of Spheres</p> <p>Tangents, Arcs, and Chords Tangents Arcs Chords Theorems Special Angles and Segments Related to Circles Special Angles Special Segments</p>	<p>1007</p> <p>Construction and Locus</p> <p>Basic Construction Copying Figures Bisecting Constructing Perpendiculars Constructing Parallels Constructing With Measures</p> <p>Figure Construction Triangles Circles Polygons</p> <p>Locus Meaning Intersection Construction</p>	<p>1008</p> <p>Area and Volume</p> <p>Polygons Area Concepts Rectangle Parallelogram Triangle Trapezoid Regular Polygon Area Comparisons</p> <p>Circles Circumference and π Area of a Circle Area of a Sector Area of a Segment</p> <p>Solids Prism Pyramid Cylinder Cone Sphere</p>	<p>1009</p> <p>Coordinate Geometry</p> <p>Ordered Pair Points in a Plane Symmetry Graphs of Algebraic Conditions</p> <p>Distance Distance Formula Equation of a Circle Midpoint Formula</p> <p>Lines Slope Parallel and Perpendicular Lines Equation of a Line</p> <p>Proofs by Coordinate Methods Placement of Figures Applications in Proofs</p>	<p>1010</p> <p>Geometry Review</p> <p>Geometry, Proof, and Angle Geometry as a System Proof Angle Relationships and Parallels</p> <p>Triangles, Quadrilaterals, Polygons, and Circles Congruent Triangle and Quadrilaterals Similar Polygons Circles</p> <p>Construction, Measurement, and Coordinate Geometry Construction and Locus Area and Volume Coordinate Geometry</p>

<p>Unit 1</p> <p>Sets Order of Operations Real Number Properties Exponents Equations Identities and Contradictions; Literal Equations Solving and Graphing Inequalities Graphing Linear Equations Compound Inequalities Multiplying Polynomials The Slope Formula Writing Linear Equations</p>	<p>Unit 2</p> <p>Factoring Polynomials Systems of Equations Solving Absolute Value Equations Graphing Linear Inequalities Simplifying Radicals Solving Systems of Equations by Elimination Multiplying and Dividing Radicals Graphing Two-Variable Linear Inequalities Quadratic Equations Imaginary Numbers Linear Programming Completing the Square</p>	<p>Unit 3</p> <p>Factoring By Grouping Dividing Polynomials by Long Division Introduction to Functions Graphing Quadratic Functions Synthetic Division The Quadratic Formula The Discriminant of the Quadratic Formula Translated Quadratic Functions Three-Variable Systems Combining Complex Numbers Operations with Functions Reducing Rational Expressions</p>	<p>Unit 4</p> <p>Factoring Completely Factoring a Difference or Sum of Cubes Rationalizing Radical Denominators Completing the Square of a Quadratic Function Dividing Complex Numbers Finding the LCM to Add and Subtract Rational Expressions Rationalizing Binomial Denominators Containing Radicals Graphing Quadratic Function Inequalities Polynomial Equations and Polynomial Functions Complex Rational Expressions Graphing Polynomial Functions Rational Equations</p>	<p>Unit 5</p> <p>The Pythagorean Theorem Matrices The Distance and Midpoint Formulas Radical Equations Multiplication of Two Matrices Trigonometric Ratios Equations with Multiple Radicals The Fundamental Principle of Counting Matrix Determinants Fractional Exponents Graphing Simple Rational Functions Solving Right Triangles</p>
<p>Unit 6</p> <p>Simplifying Complex Radical Expressions Composite Functions Conic Sections and Analytic Geometry: Circles Arithmetic Sequences Permutations Trigonometric Ratios of Angles Greater Than 90° Geometric Sequences Permutations of Partial Sets Statistics: Measures of Center Completing the Square for Circles Measures of Variability: Range and Standard Deviation Graphing Linear Rational Functions in General Form</p>	<p>Unit 7</p> <p>Cramer's Rule Finding the nth Term of an Arithmetic Sequence Combinations Radian Measure Applications of Composite Functions Conic Sections and Analytic Geometry: Parabolas Finding the nth Term of a Geometric Sequence Probability Exponential Functions Logarithms Multiple Probabilities Radical Functions</p>	<p>Unit 8</p> <p>The Gauss-Jordan Method of Solving Two Equation Systems Arithmetic Series Graphing a Sine Function Common and Natural Logarithms Translated Exponential Functions Conic Sections and Analytic Geometry: Translated Parabolas The Cosine Function Geometric Series Conic Sections and Analytic Geometry: Horizontal Parabolas The Gauss-Jordan Method of Solving Three Equation Systems Histograms and Normal Distributions Convergent Infinite Geometric Series</p>	<p>Unit 9</p> <p>Conic Sections and Analytic Geometry: Ellipses Properties of Logarithms Area of Triangles Change-of-Base Property The Tangent Function Determining the Foci of an Ellipse The Law of Sines The Exponential Growth or Decay Formula Exponential Equations Conic Sections and Analytic Geometry: Translated Ellipses Probability of Compound Events Solving Exponential Equations with Unlike Bases</p>	<p>Unit 10</p> <p>The Law of Sines and the Ambiguous Case - Part 1 Conic Sections and Analytic Geometry: Hyperbolas Box and Whisker Plots Data Relationships, Scatter Plots, and Best Fit Lines Summation Notation Bacterial Growth and Radioactive Decay: Part 2 Changing a Repeating Decimal to its Rational Form The Law of Sines and the Ambiguous Case - Part 2 Measuring Correlation Using r The Law of Cosines Conic Sections and Analytic Geometry: Translated Hyperbolas Linear Regression</p>

<p>1201</p> <p>Relations and Functions</p> <p>Ordered-Pair Numbers Relations Functions Rules of Correspondence</p> <p>The Algebra Functions Notation Arithmetic Composition Inverse</p>	<p>1202</p> <p>Functions</p> <p>Linear Functions Solutions and Graphs Equations Linear Inequalities</p> <p>Second-Degree Functions Solutions Relationships Between Zeros and Coefficients Quadratic Inequalities</p> <p>Polynomial Functions Remainder Theorem Factor Theorem Synthetic Division Nth Degree Equation</p> <p>Special Functions Greatest Integer Function Exponential Function Logarithmic Function Function Combinations</p>	<p>1203</p> <p>The Trigonometric Functions</p> <p>Definition of the Trigonometric Functions</p> <p>Evaluation of Functions</p> <p>Angle Location</p> <p>Trigonometric Tables</p> <p>Use of Tables and Interpolation</p> <p>Reduction Formulas</p> <p>Quadrantal Angles</p> <p>Special Angles</p> <p>Radian Measure</p>	<p>1204</p> <p>The Circular Functions and Their Graphs</p> <p>The Circular Functions</p> <p>Circular Functions of Special Angles</p> <p>Graphs of Sin and Cos</p> <p>Other Graphs</p> <p>Applications</p> <p>Amplitude of Circular Functions</p> <p>Period of Circular Functions</p> <p>Phase Shift of Circular Functions</p>	<p>1205</p> <p>Identities and Functions of Multiple Angles</p> <p>Reciprocal Relations</p> <p>Pythagorean Relations</p> <p>Quotient Relations</p> <p>Trigonometric Identities</p> <p>Cosine of the Sum of Two Angles</p> <p>Additional Sum and Difference Formulas</p> <p>Double- and Half-Angle Formulas</p> <p>Identities</p> <p>Trigonometric Equations</p>
<p>1206</p> <p>Application of Trigonometric Functions</p> <p>Trigonometric Functions of any Angle</p> <p>Applied Problems</p> <p>Law of Cosines</p> <p>Law of Sines</p> <p>More Applications</p> <p>Additional Application Problems</p>	<p>1207</p> <p>Trigonometric Functions and Polar Coordinates</p> <p>The Inverse Sin Function</p> <p>The Inverse Cos Function</p> <p>The Inverse Tan Function</p> <p>The Other Inverse Functions</p> <p>Graphs of Inverse Functions</p> <p>Graphing Polar Coordinates</p> <p>Converting Coordinates</p> <p>Converting Cartesian Equations to Polar Equations</p> <p>Converting Polar Equations to Cartesian Equations</p> <p>Graphing Polar Equations</p>	<p>1208</p> <p>Quadratic Equations</p> <p>The Conic Sections: Circle and Ellipse The Circle The Ellipse</p> <p>Conic Sections: Parabola and Hyperbola The Parabola The Hyperbola</p> <p>Transformations Translation Rotation</p>	<p>1209</p> <p>Probability</p> <p>Random Experiments and Probability Definitions, Samples, Spaces, and Probability Addition of Probabilities Multiplication of Probabilities</p> <p>Permutations and Combinations Definitions Permutations of N Things That Are Different Permutations of N Things Not All Different Circular Permutations Combinations</p> <p>Applications (Optional) Binomial Distribution Random Variables and Probability Distribution Miscellaneous Problems</p>	<p>1210</p> <p>Calculus and Review</p> <p>Mathematical Induction Summation Proofs by Mathematical Induction</p> <p>Functions and Limits Function Notation Difference Quotient Limits</p> <p>Slopes of Functions Slope of a Line Slope of a Curve</p> <p>Mathematics LightUnits 1201 Through 1210 Review</p>



CURRICULUM OVERVIEW

Science

Beginning with God's creation, the science series teaches the student about himself and his environment. It emphasizes God as creator and sustainer of the universe. In teaching scientific facts and truths, it seeks to honor the Creator—all laws are God's laws; all life is God's life; all truth is God's truth.

Level 100 (a five-LightUnit course) is optional in order to provide the student more time for the Reading curriculum. At this level reading is the most important subject since it is the basis for progress in every other subject. Level 200 is supplemental and not required.

Levels 100 through 800 teach basic knowledge about man and his physical environment and emphasize our "stewardship" responsibility toward God's creation. Health studies—addressing proper nutrition, hygiene, and disease—form part of the content of these levels.

Levels 900 through 1200 teach general science, biology, chemistry, and physics.

Independent and interesting investigations and experiments allow students to experience God's creation firsthand and to learn wise stewardship of His resources.

LEVEL	SCIENCE
Sunrise 100	God's Creation <ul style="list-style-type: none">• Man• Plants• Animals• Birds• Earth• Universe
Sunrise 200	
300	
Sunrise 400	
Sunrise 500	
Sunrise 600	Man's World <ul style="list-style-type: none">• Environment• Machines• Energy• Health• Stewardship• Sciences of Tomorrow
700	
800	
900	
1000	Biology
1100	Chemistry
1200	Physics

SCIENCE 700

<p>701</p> <p>God-Designed Plant Systems</p> <p>Photosynthesis System Location Products Rate</p> <p>Transport System Roots Stems Leaves</p> <p>Regulatory System Natural Regulation Artificial Regulation</p>	<p>702</p> <p>God-Designed Body Systems</p> <p>Digestive System Structure Function</p> <p>Circulatory, Respiratory, and Excretory Systems Blood Circulation Respiratory System Excretory System</p> <p>Skeletal and Muscular System Structure and Function Health and Disease</p>	<p>703</p> <p>The Behavior of Living Things</p> <p>Human and Animal Behavior Nervous System Types of Behavior Intelligence</p> <p>Plant Behavior Tropisms: Kinds Tropisms: Functions Touch-Sensitive Plants</p> <p>Plant-Animal Interaction Biomes Food Chain Cycles Balance of Nature</p>	<p>704</p> <p>Molecular Genetics</p> <p>Reproduction Reproduction in Flowers Male-Female Reproduction</p> <p>Inheritance Mendel's Work The Punnett Square Inheritance of Taste Incomplete Dominance Multiple Genes</p> <p>DNA, Mutations, and the Environment Mutations The Use of Mutations Temperature Influence on Coloration Position of Peas in a Pod</p>	<p>705</p> <p>Chemical Structure and Change</p> <p>Nature of Water Description Simple Substances Molecules and Compounds</p> <p>Periodic Table Chemical Symbols Atomic Weights Arrangement of the Periodic Table</p> <p>Chemical Change Diagrams of Atoms Acids and Bases</p>
<p>706</p> <p>Light and Sound</p> <p>Waves Sound Waves Light Waves The Speed of Light</p> <p>The Spectrum Newton's Experiment The Visible Spectrum</p> <p>Colors Absorption of Colors Mixing Colors</p>	<p>707</p> <p>Motion and Its Measurement</p> <p>Definition of Force Work is Accomplished by Force Measurement of Work</p> <p>Rate of Doing Work Power Horsepower Energy Newton's Laws of Motion</p> <p>Change in Motion Machines and Motion Machines That Change Motion</p>	<p>708</p> <p>Planet Earth</p> <p>Earth's Motion Earth's Shape Earth's Rotation Earth's Revolution Time</p> <p>Eclipses Solar Eclipse Lunar Eclipse</p> <p>Our Solar System Planets and Light-Years Asteroids, Comets, and Meteors</p>	<p>709</p> <p>The Sun and Other Stars</p> <p>The Sun History Description Location Theories</p> <p>Stars Colors and Temperatures Giants and Dwarfs Elements and Spectra Magnitude and Luminosity Light-Years and Astronomical Units</p> <p>Common Stars and Constellations Familiar Constellations Common Stars</p>	<p>710</p> <p>Review</p> <p>Plant and Animal Systems The Photosynthesis System The Transport System of Plants The Regulatory System of Plants Systems of Man and Animals</p> <p>Physics and Chemistry Light Sound Motion Matter</p> <p>Planet Earth and the Stars Earth's Rotation Earth's Revolution Eclipses of the Sun and Moon Our Solar System The Sun The Stars</p>

SCIENCE 800

<p>801</p> <p>Science in Our Lives</p> <p>Science Today A Definition of Science A Brief History of Science Scientific Measurement</p> <p>Science and Technology A Definition of Technology Advances in Technology Conflicts With Society</p> <p>Science and Technology of Tomorrow Projections for Science and Technology The Limitations of Science and Technology</p>	<p>802</p> <p>Properties of Matter</p> <p>Properties of Matter General Properties of Matter Physical Properties of Matter Chemical Properties of Matter States of Matter</p> <p>Atoms and Molecules Atoms Molecules</p> <p>Elements, Compounds, and Mixtures Elements Compounds Mixtures</p>	<p>803</p> <p>Changing Matter</p> <p>Matter and Change Physical Change Chemical Change Nuclear Change</p> <p>Acids Properties of Acids The Hydrogen Ion Indicators pH of Acids</p> <p>Bases Properties of Bases The Hydrogen Ion Indicators pH of Bases SALTS Neutralization Uses of Salts</p>	<p>804</p> <p>Health and Nutrition</p> <p>Foods and Digestion Six Kinds of Nutrients Digestive System</p> <p>Diet Four Basic Food Groups A Balanced Menu</p> <p>Nutritional Diseases Nutrition: As It Is and What It Should Be Deficiencies, Allergies, and Other Reactions</p> <p>Hygiene Body Care Hygiene of Young People</p>	<p>805</p> <p>Energy</p> <p>Types of Energy Kinetic Energy Potential Energy</p> <p>Forms of Energy Heat Energy Chemical Energy Atomic Energy</p> <p>Energy Conversion and Entropy Conversion of Energy Forms Thermodynamics and Entropy</p>
<p>806</p> <p>Magnets and Electricity</p> <p>Magnetism Permanent Magnets Magnetic Fields Induced Magnetism</p> <p>Electricity Static Electricity Current Electricity Uses of Electricity</p> <p>Energy for the Future Conventional Sources Alternate Sources</p>	<p>807</p> <p>Using Machines</p> <p>Distance Describing Distance Measuring Distance</p> <p>Force The Meaning of Force The Laws of Newton Force Vectors</p> <p>Work Work Defined Work and Energy Work and Power</p>	<p>808</p> <p>Levers, Pulleys, Gears, and Things</p> <p>Friction Forces of Friction Types of Friction Reducing Friction</p> <p>Levers Mechanical Advantage Classes of Levers</p> <p>Wheel and Axle, Pulleys and Gears Wheel and Axle Pulleys Gears</p> <p>Inclined Plane, Wedge, and Screw Inclined Plane Wedges Screw</p>	<p>809</p> <p>Balance in Nature</p> <p>Photosynthesis and Food Photosynthesis Food</p> <p>Natural Cycles The Nitrogen Cycle The Decay Cycle The Water Cycle The Carbon and Oxygen Cycle</p> <p>Balance and Disruption Nature in Balance Human Disruption Resources</p>	<p>810</p> <p>Science and Technology</p> <p>Basic Science Science Skills Characteristics of Matter Matter in Change</p> <p>Physical Science Forms of Energy Magnets and Electricity Machines at Work Simple Machines</p> <p>Life Science Nutrition Health Balance in Nature Jobs Available in Health Services</p> <p>Vocations in Science and Technology Technology Today and Tomorrow Assets and Liabilities Finding a Job</p>

SCIENCE 900 General Science

<p>901</p> <p>Our Atomic World</p> <p>Structure of Matter Phases of Matter Atomic Structure</p> <p>Radioactivity Detection Measurement</p> <p>Atomic Nuclei Nuclear Composition Nuclear Structure</p> <p>Nuclear Energy Fission Fusion</p> <p>Nuclear Applications and Environmental Hazards Uses of Nuclear Energy Environmental Problems</p>	<p>902</p> <p>Volume, Mass, and Density</p> <p>Volume Volume as a Measure of Matter Problems With Volume Measure of Matter</p> <p>Mass Mass as a Measure of Matter Weight</p> <p>Density Definition Variables Specific Gravity</p>	<p>903</p> <p>Physical Geology</p> <p>Earth Structures Shape Rocks Layers Igneous Structures Mountains</p> <p>Earth Changes Weathering Erosion and Sedimentation</p> <p>Earth Movements Isostasy Folding Plate Tectonics</p>	<p>904</p> <p>Historical Geology</p> <p>An Observational Science The Science Sedimentary Rock Fossils Crustal Changes</p> <p>Measuring Time Relative Time Absolute Time</p>	<p>905</p> <p>Body Health I</p> <p>Microorganisms Development of the Germ Theory Categories of Pathogenic Organisms Characteristics of Infectious Diseases</p> <p>Bacterial Infections Digestive Infections Respiratory Infections Nervous Infections</p> <p>Viral Infections Common Viral Infections Childhood Viral Infections More Serious Viral Infections</p> <p>Protozoan, Rickettsial, and Fungal Infections Protozoan Infections Rickettsial Infections Fungal Infections</p>
<p>906</p> <p>Body Health II</p> <p>Disease Treatment Body Defense Mechanisms Medical Drugs</p> <p>Disease Prevention Environmental Conditions Medical Advances Total Health</p> <p>Community Agencies Governmental Agencies Volunteer Groups Medical and Drug Control Organizations</p>	<p>907</p> <p>Astronomy</p> <p>The Universe Extent of the Universe Constellations</p> <p>Telescopes and Optics Image Brightness Types of Telescopes Newer Types of Telescopes</p> <p>Space Exploration Requirements for Launching a Satellite Planetary Missions</p>	<p>908</p> <p>Oceanography</p> <p>History of Oceanography Chronology of Oceanography Techniques for Investigation Major Discoveries Submersible Research</p> <p>Geology of the Ocean Geological Structure Results of Profiling Turbidity and Sedimentation World's System of Currents</p> <p>Biological, chemical, and Physical Properties Biology of the Ocean Chemistry of the Ocean Physical Properties of the Ocean Power Conversion</p>	<p>909</p> <p>Science and Tomorrow</p> <p>People and Their Land Ecology Agriculture Waste Population</p> <p>People and Their Work Environment Energy Sources Industry Transportation Urbanization</p> <p>People and Their New Frontiers Outer Space Inner Space Self-Exploration</p>	<p>910</p> <p>Review</p> <p>Practical Uses of Measurement The Metric System Weight Versus Mass</p> <p>Practical Health Traveling Abroad Camping and Hiking Keeping Personal Health Records</p> <p>Practical Geology and Astronomy Upbuilding Versus Erosion The Oceans The Continents Plate Tectonics</p> <p>Practical Solutions to Problems Nuclear Power Population Environment</p>

<p>Unit 1 Life, Matter, and Energy</p> <p>An Overview of Life Life and Its Designer Characteristics of Living Things Classification of Living Things</p> <p>Biochemistry Matter and Energy Chemical Reactions Water Carbohydrates and Lipids Proteins and Nucleic Acids</p> <p>Energy and Matter Flow in an Ecosystem The Web of Life Energy Flow Carbon Cycle Nitrogen and Phosphorus Cycles</p>	<p>Unit 2 Ecology</p> <p>Biomes and Ecosystems Introduction to Biomes and Ecosystems Biomes Change and Succession in Ecosystems</p> <p>Communities and Populations Community Interactions Symbiosis Species Diversity Population Requirements, Density, and Distribution Population Change</p> <p>Human Interactions With the Biosphere The Importance of Biodiversity Threats to Biodiversity Stewardship of Biodiversity</p>	<p>Unit 3 Cells and Cell Processes</p> <p>Introduction to the Cell Introduction to the Cell Structure of the Cell Organelles Cell Specialization</p> <p>Cellular Processes Cell Transport Cell Signaling Cellular Respiration</p> <p>The Cell's Role in Genetics DNA Protein Synthesis Mitosis Meiosis</p>	<p>Unit 4 Genetics</p> <p>Mendelian Genetics Mendel – Father of Modern Genetics Mendel's Principles Using Mendel's Principles More Complex Crosses and Independent Assortment</p> <p>Advanced Genetics What Mendel Did Not Know Changes in Genes and Chromosomes Factors That Influence Human Genetics</p> <p>Limitations of Genetic Diversity Natural Selection Speciation The Development of Evolutionary Theory The Limit of Genetic Change The Unlikelihood of Evolutionary Theory</p>	<p>Unit 5 Plants: Form and Function</p> <p>Plants and Their Purpose Plants and the Environment Photosynthesis: Light-Dependent Phase Photosynthesis: Light-Independent Phase</p> <p>Plant Structure Introduction to Plant Structure Leaves Stems Roots</p> <p>Plants and Their Environment Plant Design for Fitness Growth Responses to Abiotic Factors Physiological Responses to Abiotic Factors Plant Defense Beneficial Plant Interactions</p>
<p>Unit 6 Plants: Reproduction and Cultivation</p> <p>Plant Diversity Plant Life Cycle and Diversity Bryophytes Seedless Vascular Plants Gymnosperms Angiosperms</p> <p>Plant Reproduction Flowers Fruits and Seeds Asexual Reproduction</p> <p>Plant–Human Interactions The Green Revolution and Intensive Agriculture Sustainable Agriculture Ecological Principles in Agriculture Soil and Plant Nutrition</p>	<p>Unit 7 Fungi, Microorganisms, and Viruses</p> <p>Fungi Characteristics of Fungi Fungus Reproduction and Classification Fungi in Their Environment Fungi and Humans</p> <p>Protists Fungus-Like Protists Algae Protozoa</p> <p>Bacteria and Viruses Bacteria: Characteristics and Classification Bacteria Diversity Viruses Bacterial and Viral Disease; Vaccines</p>	<p>Unit 8 Invertebrates</p> <p>Introduction to Animals; Invertebrates Introduction to Animals Sponges Cnidarians</p> <p>More Invertebrates Flatworms and Roundworms Segmented Worms Echinoderms Mollusks</p> <p>Arthropods Introduction to Arthropods Crustaceans and Myriapods Arachnids Insects: Classification and Life Cycle Insects in Their Environment</p>	<p>Unit 9 Vertebrates</p> <p>Introduction to Vertebrates; Fish Chordate Classification and Characteristics Invertebrate and Vertebrate Chordates Fish: Characteristics and Classification Fish in Their Environment</p> <p>Amphibians and Reptiles Amphibians: Characteristics and Classification Amphibians in Their Environment Reptiles: Characteristics and Classification Reptiles in Their Environment</p> <p>Birds and Mammals Birds: Characteristics and Classification Birds in Their Environment Mammals: Characteristics and Classification Mammals in Their Environment</p>	<p>Unit 10 Animal Processes and Behavior</p> <p>Homeostasis and Exchange Introduction to Homeostasis Digestion and Absorption Gas Exchange Excretion Circulation</p> <p>Control of Homeostasis Chemical Control of Homeostasis Neural Control of Homeostasis Defense and Immunity Muscles and Skeletons</p> <p>Animal Behavior Introduction to Animal Behavior Social Behavior Behavioral Adaptations to the Environment</p>

<p>1101</p> <p>Estimate and Measurement</p> <p>Metric Units Length Volume Mass</p> <p>Instrumentation Length Volume Mass</p> <p>Observation and Hypothesizing Observation Hypothesizing Graphing</p> <p>Science Notation Significant Figures Powers of Ten</p> <p>Chemistry in Action Production Discovery Product Development Marketing Corporate Management Protection of Inventions Other Positions Some Other Industries Will Your Work Be in Science?</p>	<p>1102</p> <p>Elements, Compounds, and Mixture</p> <p>Elements Alchemy Symbols Properties</p> <p>Compounds Properties Classification</p> <p>Mixtures Heterogeneous Homogeneous</p>	<p>1103</p> <p>Gases and Moles</p> <p>Kinetic Molecular Theory Evidence Characteristics</p> <p>Boyle's Law Experimental Evidence Mathematical Evidence</p> <p>Charles' Law Experimental Evidence Mathematical Evidence</p> <p>Combined Gas Law Development Application</p> <p>Moles Avogadro's Hypothesis Avogadro's Number Conservation of Mass</p>	<p>1104</p> <p>Atomic Structure and Periodicity</p> <p>Contributors to a Concept Democritus John Dalton J. J. Thomson Marie Curie Ernest Rutherford Niels Bohr Erwin Schrodinger James Chadwick</p> <p>Modern Atomic Structure Atomic Spectra Bohr Model Modern Model</p> <p>Atomic Periodicity Periodic Law Dmitri I. Mendeleev</p> <p>Nuclear Reactions Natural Radioactivity Nuclear Energy</p>	<p>1105</p> <p>Chemical Formulas, Bonding, and Molecular Architecture</p> <p>Chemical Formulas Ion Charge and Column Location Formula Prediction</p> <p>Chemical Bonding Electronegativity Ionic Bonds Covalent Bonds Metalic Bonds</p> <p>Molecular Shape and Eelectron Distribution Hybridization Polarity</p>
<p>1106</p> <p>Chemical Reactions, Rates, and Equilibrium</p> <p>Chemical Reactions Detection Energy Representation</p> <p>Reaction Rates Rate Variables Reaction Diagrams</p> <p>Reaction Equilibriums Equilibrium Mathematics Equilibrium Variables</p>	<p>1107</p> <p>Equilibrium Systems</p> <p>Solutions Moles Types Characteristics</p> <p>Solubility Equilibriums Dissolving and Dissociation Solubility Constants Application</p> <p>Acid-Base Equilibriums Acids Bases pH Scale Neutralization</p> <p>Redox Equilibriums Oxidation-Reduction Application</p>	<p>1108</p> <p>Carbon Chemistry: Hydrocarbons</p> <p>Carbon Compounds Classification of Organic Compounds Sources of Organic Compounds</p> <p>Carbon Atoms Structure Forms Bonding</p> <p>Hydrogen and Carbon Saturated Hydrocarbons Unsaturated Hydrocarbons</p>	<p>1109</p> <p>Carbon Chemistry: Functional Groups</p> <p>Hydrocarbon Chemistry Saturated Unsaturated</p> <p>Oxygen Functional Groups Alcohols Aldehydes, Acids, and Ketones Esters</p> <p>Nitrogen Functional Groups Ammonia Derivatives Proteins</p>	<p>1110</p> <p>Chemistry Review</p> <p>Characteristics of Atoms and Molecules Measurement and Observation Elements, Compounds, and Mixtures Gases and Moles Atomic Structure and Periodicity Chemical Formulas, Bonding, and Molecular Architecture</p> <p>Chemical Systems Chemical Reactions, Rates, and Equilibrium Equilibrium Systems</p> <p>Organic Chemistry Hydrocarbons Functional Groups</p>

<p>1201</p> <p>Kinematics</p> <p>Units, Scalars, and Vectors Units Scalars Vectors</p> <p>Measurement of Length Distance Displacement</p> <p>Rate of Velocity Change Speed Acceleration Acceleration Due To Gravity Free Fall</p> <p>Fields and Models Fields Models</p>	<p>1202</p> <p>Dynamics</p> <p>Newton's First and Second Laws of Motion Newton's First Law of Motion Newton's Second Law of Motion</p> <p>Gravity Gravitational Force Gravitational Force Field</p> <p>Uniform Circular Motion Centripetal Acceleration Centripetal Force</p> <p>Newton's Third Law of Motion Action-Reaction Conservation of Momentum</p> <p>Kepler's Laws of Planetary Motion Kepler's First Law of Planetary Motion Kepler's Second Law of Planetary Motion Kepler's Third Law of Planetary Motion</p>	<p>1203</p> <p>Work and Energy</p> <p>Type and Source of energy Mechanical Energy Forms of Energy</p> <p>Conservation of Energy, Power, and Efficiency Conservation of Energy Power Efficiency</p> <p>Heat Energy Specific Heat Latent Heat Laws of Thermodynamics</p>	<p>1204</p> <p>Introduction to Waves</p> <p>Energy Transfer Pulses Periodic Waves</p> <p>Wave Phenomena Reflection Refraction Diffraction Interference</p> <p>Sound Waves Beats Resonance Doppler Effect Shock Waves The Speed of Sound</p>	<p>1205</p> <p>Light</p> <p>Speed of Light Speed Properties</p> <p>Mirrors and Lenses Mirrors Lenses</p> <p>Phenomena and Models Phenomena of Light Models of Light</p>
<p>1206</p> <p>Static Electricity</p> <p>Electric Charges The Nature of Charges The Transfer of Charges</p> <p>Electric Fields Configurations Natural Fields</p> <p>Electric Potential Potential and Fields Potential and Energy Examples</p>	<p>1207</p> <p>Current Electricity</p> <p>Current Concepts Electromotive Force Fluid Flow Electron Flow</p> <p>Resistance Resistors Resistivity</p> <p>Circuits Ohm's Law Series Circuits Parallel Circuits</p>	<p>1208</p> <p>Magnetism</p> <p>Fields and Forces Fields Forces</p> <p>Electromagnetism The Electromagnetic Field Currents and Magnetism Electromagnetic Induction</p> <p>Electron Beams Magnetic Deflection The Cathode-Ray Tube</p>	<p>1209</p> <p>Atomic and Nuclear Physics</p> <p>Quantum Theory Electromagnetic Radiation Matter Waves Atomic Spectra Bohr Model</p> <p>Nuclear Theory Building Blocks of the Nucleus Properties of the Nucleus</p> <p>Nuclear Reaction Nuclear Fission Fusion Nuclear Reaction Applications</p>	<p>1210</p> <p>Review</p> <p>Mechanics Kinematics Dynamics Energy</p> <p>Wave Motion Waves Light Sound</p> <p>Electricity Sources, Fields, and Forces Circuits</p> <p>Modern Physics The Planetary Atom Emission Spectra and Quantized Energy The Bohr Atom Duality Nuclear Energies</p>



CURRICULUM OVERVIEW

Social Studies

The social studies curriculum begins with a study of the student's family and neighborhood relationships then expands to include the United States and the world. Special emphasis is placed on God at work in the world and the Christian way of peace and love.

The series develops a system of social values based on God's revealed Word, recognizing the New Testament as God's final revelation to men. The way of salvation through Christ is presented as the only remedy for the sins of mankind, both individually and socially. The spread of the Gospel of salvation is presented as the responsibility of the Christian community.

In this series, textbooks are used (or are being developed) for a number of the grade levels. LightUnits have been developed to be used along with the texts. Reading integration is also a part of the social studies LightUnits in the lower levels.

The 100 and 200 levels are five-LightUnit courses. They are optional in order to give the student more time for Language Arts.

LEVEL	SOCIAL STUDIES
Sunrise 100	(optional) Your World
Sunrise 200	(optional) Your Neighborhood
Sunrise 300	World Communities
Sunrise 400	World Geography & Culture
Sunrise 500	North American History and Geography
Sunrise 600	Latin America
Sunrise 700	World History
Sunrise 800	United States History
900	<ul style="list-style-type: none">• Civics• Careers• World Geography
1000	World History
1100	United States History
1200	<ul style="list-style-type: none">• Democracy• Christian Challenges

<p>701</p> <p>Origins of Civilization</p> <p>The Beginning of Time Where Did Man Come From? Sin Disrupts God's Creation Civilizations Develop and Scatter Archaeologists Study Ancient Civilizations</p> <p>Early Civilizations Scattered People Build Civilizations A Civilization Arises in the Fertile Crescent Sumerians Write Without Words Empires Emerge in Sumer</p> <p>Abraham—From Ur to Canaan Sumerians Face Troubled Times Mesopotamians Fear Many Gods God Makes a Covenant With Abraham Famine Forces a Move from Canaan</p>	<p>703</p> <p>Mediterranean Empires</p> <p>Greece—Empire in the Aegean Civilization Reaches the Aegean The Greeks Face Internal Strife and External Threats Athens Experiences a Golden Age Alexander the Great Builds an Empire</p> <p>The Roman Republic Civilization Grows in Italy A Citizen's Assembly Is Created Conquest Enlarges Rome Rome Suffers the Consequences of War</p> <p>Jesus Christ, the Messiah The Jews Submit to Greek Rule The Messiah Appears in Israel Sects Develop in Judea Jesus Is Crucified and Resurrected</p>	<p>705</p> <p>The Middle Ages</p> <p>The Early Middle Ages Frankish Kings Arise The Vikings Raid and Rule Kings Struggle for Control of Britain The Medieval Church Gains Power</p> <p>The Byzantine Empire The Orthodox Church Grows A Muslim Empire Arises The Islamic Empire Thrives Byzantine Scholars Influence the West</p> <p>The High and Late Middle Ages A New Age Begins Feudalism Prevails for Centuries European Crusades Produce Unforeseen Results Europeans Suffer Times of Crisis</p>	<p>707</p> <p>Enlightenment and Democracy</p> <p>The Early Modern Period Civilization Is Remade Strong Nations Develop Through Global Trade Catholic Rulers Face Protestants The Early Modern Period Changes Europe</p> <p>The Enlightenment Thinking in Europe Changes Troubling Times Erode Faith Enlightenment Ideas Create Doubt Writers Develop New Political Theories</p> <p>Demands for Change Monarchs Face Limitations The English Execute Their King Monarchs Suffer Revolt An Enlightened King Attempts Reform</p>	<p>709</p> <p>Imperialism and the World Wars</p> <p>The Age of Imperialism European Nations Build Empires The British Empire Controls India European Imperialism Circles the Globe The Age of Imperialism Comes to a Close</p> <p>The World at War The West Enjoys Prosperity Political Tensions Erupt Into War Europe Fights a Modern War Nations Suffer Postwar Troubles</p> <p>At War Again A Dictator Rises in Europe Hitler Propels Europe Into War The War Ends Leaders Seek a Place for Jews</p>
<p>702</p> <p>Empires of the Middle East</p> <p>Egypt—Empire on the Nile A Kingdom Grows Along the Nile The Old Kingdom Thrives The Middle Kingdom Replaces the Old The New Kingdom Rises and Falls</p> <p>Israel—God's Covenant Nation The Israelites Become a People The Israelites Enter the Promised Land Israel Becomes a Mighty Nation The Southern Kingdom Rises and Falls</p> <p>The Age of Empire Old Nations Give Way to New The Assyrians Increase Their Empire Nebuchadnezzar Rules Mighty Babylon Wise Rulers Unite the Persian Empire</p>	<p>704</p> <p>The Roman World</p> <p>Rise of the Roman Empire A Permanent Dictator Rules Rome A New Caesar Takes the Throne Five Descendants of Julius Caesar Lead Rome The Empire Grows Despite Hard Times</p> <p>Decline of the Roman Empire Rome Enjoys Prosperity Rome Enters a Long Decline A New Empire Emerges from Rome The Roman Empire Staggers to Its End</p> <p>The Early Church The Church Is Founded Jews Rebel Against Rome Christianity Faces New Challenges Spirituality Declines</p>	<p>706</p> <p>Reformation and Renewal</p> <p>Renaissance and Discovery New Ways of Thinking Develop Innovative Art Styles Emerge Trade and Travel Stimulate Exploration Discovery Brings a Worldwide Exchange</p> <p>The Reformation The Church Controls Society Influential Men Spark Reform A Reformation Shakes the Church The Church Undergoes Further Divisions</p> <p>The Anabaptist Movement Zwingli Introduces Reforms Reformers Persecute Reformers A Catholic Priest Becomes an Anabaptist Conflict Divides the Anabaptists</p>	<p>708</p> <p>Conquest and Industry</p> <p>The Age of Revolution A French General Takes Control Europe Wages the Napoleonic Wars Europe Enters the Late Modern Period Romantic Ideals Influence the West</p> <p>The Global Growth of Christianity European Churches Change An Evangelical Revival Stirrs the English Church The Great Century of Missions Begins American Churches Experience Further Revival</p> <p>The Industrial Revolution A New Age Unfolds The Industrial Revolution Creates Hardships Urban Growth Causes New Issues Innovations Bring Widespread Changes</p>	<p>710</p> <p>Globalization and Technology</p> <p>The Cold War Era Communism Grows in Europe A Cold War Develops Communist Threats Continue Worldwide Opposition to Communist Rule Spreads</p> <p>A Shrinking World Expanding Economies Drive Trade International Trade Expands Military Technology Transforms Society Technology Connects and Divides</p> <p>A Changing World Environmental Concerns Increase Oil Dependence Leads to Strife Shifting Populations Produce Strife Christianity Declines in the West</p>

<p>801</p> <p>American and European Backgrounds</p> <p>First Americans Earliest Americans</p> <p>Discoverers of America Columbus's Discovery Columbian Exchange</p> <p>Europeans' Exploration and Colonization European Explorers Spanish Influence</p> <p>English Colonization First English Colonies New England Colonies Southern and Middle Colonies Colonists Evangelize</p>	<p>802</p> <p>War, Rebellion, and Independence</p> <p>English Colony Life Life in the Colonies Life Differs Throughout Colonies Religious Revival in the Colonies</p> <p>Britain and France Fight in the New World French and English Take Up Arms French and Indian War</p> <p>Colonies Rebel Against England Proclamation of 1763 Revolutionary War</p> <p>Independence Early Events of the War Break With Britain Britain's Defeat</p>	<p>803</p> <p>Beginnings, Growth, and Change</p> <p>Articles of Confederation and the Constitution New Nation After Independence Constitution</p> <p>New Nation Meets Challenges Washington Administration Federalists and the Adams Administration Jefferson and Madison</p> <p>National Conflict Features of the Monroe Years Jackson Changes the Political Scene Democrats and Whigs Compete</p> <p>Life in the Early 1800s Industrial Revolution Transportation and Communication Religious Movements, Immigration, and Reform</p>	<p>804</p> <p>The Nation Expands</p> <p>Slavery in America Slaves Come to America Slavery in North America Slaves and Some Whites Attack Slavery</p> <p>Europeans and Native Americans Clash Before Indian Removal Jacksonian Era Indian Conflicts in the West</p> <p>Westward—Ho! Texas Gains Independence Oregon Joins United States Mexican War and the Gold Rush</p>	<p>805</p> <p>The North and South in Conflict</p> <p>The North and South Disagree Disunion in the Early 1800s Flames of Conflict in the 1850s Events of 1856 to 1860</p> <p>The Civil War Lincoln's Election Early Part of the War Tide Turns in Favor of the North Results of the War</p> <p>The South Rebuilds Lincoln and Johnson Rebuild the South Radical Republicans Rebuild the South Closing Events of Reconstruction</p>
<p>806</p> <p>Growth, Progress, and Change</p> <p>The Gap in the West Closes Miners and Prospectors Transportation Cattlemen Homesteaders</p> <p>Inventions, Business, and Industry Businesses Grow Businesses Change Businesses and Unions</p> <p>America Changes in the late 1800s Farming Cities Political Issues Reform and Social Movements</p>	<p>807</p> <p>Struggles Within and Without</p> <p>The Progressive Movement Reforms Reforms Introduced by Roosevelt Democrats Regain the White House</p> <p>Progressives Gain and Lose Americans' Lives Change Reform Movements Under President Wilson</p> <p>From Isolation to Imperialism United States Seek Territory United States World Influence United States Latin America Influence</p> <p>The Great War War in Europe United States Involvement Peace</p>	<p>808</p> <p>Boom, Bust, and Battle</p> <p>The Twenties Problems and Tensions Society Changes Politics Change</p> <p>The Great Depression Hoover's Promise President Roosevelt Fights the Depression</p> <p>World War II War Begins Response to World Events Allies Defeat Italy and Germany Allies Defeat Japan</p>	<p>809</p> <p>Fears Within, Fightings Without</p> <p>Harry Truman and the Aftermath of the War Aftermath of World War II Postwar Years</p> <p>Communism Threatens at Home and Abroad Spread of Communism Communism in Asia Fears of Communism Affect Americans</p> <p>The Eisenhower Years America Prospers Civil Rights Movement Makes Progress World Communism</p> <p>The Kennedy and Johnson Years Threat of Communism Civil Rights Movement Social Changes</p>	<p>810</p> <p>War, Peace, and Prosperity</p> <p>Communism in Vietnam Kennedy and Johnson Deal With Vietnam President Nixon Gets Out of Vietnam</p> <p>The Seventies President Nixon Ford and Carter Presidencies</p> <p>The Twentieth Century Ends Reagan Administration Bush Administration Clinton Presidency</p> <p>The Turn of the Century Brings Changes Bush, Clinton, and Obama</p>

<p>901</p> <p>The Heritage of the United States</p> <p>Historical and Political Backgrounds American Colonies Major Conflicts Acquisitions and Annexations Independence and Political Parties</p> <p>Freedom Backgrounds Freedom Principles Freedom Pioneers</p> <p>Society Backgrounds Immigration Technology Education Social Reforms Christianity</p>	<p>902</p> <p>U.S. Government</p> <p>U.S. Government: Ideals Purpose of the National Government Constitutional Democracy Limited Government</p> <p>U.S. Government: Development Colonial Development of Government Articles of Confederation The Constitution of the United States</p> <p>The Legislative Branch: Congress The Branches of Congress The Members of Congress The Organization of Congress The Duties and Powers of Congress The Movement of a Bill Through Congress</p> <p>The Executive Branch: The President The President of the United States The Powers of the President The Vice-President of the U. S. The Cabinet and Executive Departments</p> <p>The Judicial Branch Federal Court System: Formation and Jurisdiction Federal Court System: Structure The Supreme Court The Special-Authority Courts</p>	<p>903</p> <p>State and Local Government</p> <p>State Government in a Democracy Powers of State Government Responsibilities of State Government State Constitutions Rights and Responsibilities as Citizens</p> <p>Country and Township Government Development of Counties and Townships Responsibilities to the State Duties of County and Township Government Variety of Forms and Powers</p> <p>City Governments Functions of City Governments Types of City Governments and Their Problems Our Changing Cities</p>	<p>904</p> <p>Planning a Lifework</p> <p>Recognizing God's Directives Glorifying God Serving Others Avoiding Entanglement Following Love and Peace</p> <p>Recognizing God's Design Concerning Authority Concerning Male and Female Concerning Personal Uniqueness Concerning Brotherhood</p> <p>Choosing God's Will Understanding Job Opportunities Discerning Job Opportunities Applying for a Job</p>	<p>905</p> <p>Citizenship</p> <p>Citizenship Principles Heavenly Citizenship Earthly Mission Love and Peace Separation of Church and State</p> <p>Citizenship Privileges Acquiring Citizenship Constitutional Rights</p> <p>Citizenship Responsibilities Prayer Honor and Obedience Testimony</p>
<p>906</p> <p>The Earth and Man</p> <p>The Earth Is Man's Home Man Inhabits the Earth Man Survives the Flood Man Covers the Earth Man Begins History</p> <p>The Earth Is Developed by Man Development of Civilizations Development of Water Transportation Systems Development of Resources Development of Cities</p> <p>The Earth Has a Future World Leaders Pursue Peace Divine Judgment Brings Peace</p>	<p>907</p> <p>Regions of the World</p> <p>Looking at the Regions of North America, Latin America North America Latin America</p> <p>Looking at the Regions of Europe and Africa Europe Africa</p> <p>Looking at the Regions of Asia Asia</p> <p>Looking at the South Pacific and Reflecting on the Regions The South Pacific The World</p>	<p>908</p> <p>Man and His Environment</p> <p>Man and His Physical Environment Ecological Hazards Health Hazards Natural Resource Shortages</p> <p>Man and His Social Environment Changes Within the Federal Government Labor Market Program Family Pressures</p> <p>Man and His Responsibilities to His Environment Conservation and Restoration Social Improvement</p>	<p>909</p> <p>The Tools of the Geographer</p> <p>The Earth in Model Form: the Globe The Invention of the Globe The Features of the Globe The Instruction of the Globe</p> <p>The Earth in Picture Form: Maps Reading and Interpreting Maps Types of Maps Uses of Maps</p> <p>The Earth in Symbol Form: Graphs and Charts Graphs Charts Other Resource Material</p>	<p>910</p> <p>Man in a Changing World</p> <p>Democratic Government Historical Development in the U.S. National Government State and Local Government</p> <p>World Geography Studying Geography Regions Civilizations Revolutions</p> <p>Living Responsibility on the Earth Citizenship Environment Lifework</p>

<p>1001</p> <p>Ancient Civilization</p> <p>Meaning and Origin of Civilization Meaning of Term Origin of Man The Fall of Man The Flood From God The Origin of Civilization</p> <p>Early Egyptian Civilization Geography History Economy and Government Letters and Art Religion</p> <p>Assyrian and Babylonian Civilization Old Babylonian Empire Assyria The Neo-Babylonian Empire</p> <p>Persian Civilization History Religion</p> <p>Administration</p>	<p>1002</p> <p>Ancient Civilization</p> <p>The Far East India China</p> <p>The Greek Civilization Geography History Culture</p> <p>The Roman Empire History Christianity Culture</p>	<p>1003</p> <p>The Medieval World</p> <p>Introduction to the Middle Ages The Roman Empire Roman Culture Christianity and the Empire</p> <p>The Early Middle Ages Barbarian Invasions Eastern Empire The Catholic Church Arab Invasions</p> <p>The Middle Ages in Transition The Continent New Invasions England The Byzantine Empire The Church The Islamic Empire</p> <p>The Hight Middle Ages The Setting Rise of the Monarchies The Church The Decline of the Byzantine Empire Other World Powers</p>	<p>1004</p> <p>Renaissance and Reformation</p> <p>The Renaissance Changes in Government Developments in Art Changes in Literature and Thought Advances in Science</p> <p>The Reformation The Reformation in Europe The Reformation in England Reform Within the Catholic Church Wars of Religion</p>	<p>1005</p> <p>Growth of World Empires</p> <p>England and France Absolutism in England Absolutism in France Mercantilism</p> <p>Portugal and Spain Portugal Spain</p> <p>Austria, Germany, Italy, and the Ottoman Empire Austria and Germany Italy Ottoman Empire</p>
<p>1006</p> <p>The Age of Struggle</p> <p>The Struggle for Parliamentary Government Divine Right People's Choice</p> <p>The Struggle for Dominion War of the League of Augsburg War of the Spanish Succession War of the Austrian Succession The Lull Before the Storm The Seven Years' War</p> <p>The Struggle for Independence British Background American Frontier</p> <p>The Struggle for Reform The Monarchy New Leadership</p>	<p>1007</p> <p>The Industrial Revolution</p> <p>Industrial Revolution in England Sparks of Preparation Fires of Continuation</p> <p>Industrial Revolution in the United States United States Industrial Climate Rise of Industrial Progress Modern Industrial Developments</p> <p>Industrial Revolution in Canada Pioneer and Economic Expansion A Forerunner in Modernization and Technology</p> <p>Social Changes of the Industrial Revolution Negative Drawbacks Positive Contribution</p>	<p>1008</p> <p>Two World Wars</p> <p>World War I Mounting Tensions Erupting Conflicts</p> <p>Peace Returns Peace Initiatives Power Quests</p> <p>World War II Battlefronts Peace Efforts</p>	<p>1009</p> <p>Our Contemporary World</p> <p>Cold War Ideological Conflict Korean Conflict Cuban Crisis Vietnam War Afghanistan Takeover Struggles Within Communism</p> <p>Conflicts of Independence and Religion Quest for Political Independence Quest for Racial and Religious Freedom</p> <p>Cooperative Coexistence Regions of the World Major World Organizations Current World Concerns</p> <p>Country Charts</p>	<p>1010</p> <p>Ancient Times to the Present</p> <p>Ancient Civilization and Medieval Times Hebrews Egyptians Babylonians Chinese Greeks Romans Ancient Cultures Medieval Times: Invasions Medieval Times: Feudalism Medieval Catholicism The Medieval Church</p> <p>Renaissance Politics Arts and Sciences Reformation Absolutism</p> <p>The Modern World Revolutions Wars Current Events</p>

<p>1101</p> <p>Foundations of American Democracy</p> <p>Foundation of American Democracy</p> <p>Revival of Trade and Commerce</p> <p>Spread of New Ideas</p> <p>Rise of National States</p> <p>Development of Religious Changes</p> <p>Virginia and the New England Colonies</p> <p>Jamestown</p> <p>Reformation and Further Colonization</p> <p>The Pilgrims Settled in Plymouth</p> <p>The Puritans Settled in Massachusetts</p> <p>Rhode Island Provided Religious Freedom</p> <p>Thomas Hooker Founded Connecticut</p> <p>New Hampshire Received a Charter</p> <p>New England Gained Dominion</p> <p>Middle and Southern Colonies</p> <p>Maryland Was a Haven for Catholics</p> <p>New Netherland Became New York</p> <p>Quakers Sought Refuge in New Jersey</p> <p>Penn's Woods Was a Haven for Quakers</p> <p>Delaware Received a Charter</p> <p>The Carolinas Began Slowly</p> <p>Georgia—a Philanthropic Colony</p> <p>Population Continued to Grow</p> <p>Living Conditions Were Varied</p>	<p>1102</p> <p>Development of Constitutional Government</p> <p>Relations With England</p> <p>Trade Regulations</p> <p>French and Indian War</p> <p>Colonial Resistance</p> <p>The Revolutionary War</p> <p>Second Continental Congress</p> <p>Opposition and Aid</p> <p>Important Campaigns</p> <p>Winter at Valley Forge</p> <p>War in the South</p> <p>War in the West</p> <p>American Navy</p> <p>Spies, Traitors, and Nonassociators</p> <p>Battle of Yorktown</p> <p>Birth of a Nation</p> <p>Colonial Peace</p> <p>Articles of Confederation</p> <p>Constitution of the United States</p>	<p>1103</p> <p>National Expansion</p> <p>Ship of State</p> <p>Federal Government</p> <p>First Political Parties</p> <p>Foreign Affairs</p> <p>Federalist President</p> <p>Revolution of 1800 and War of 1812</p> <p>Revolution of 1800</p> <p>War of 1812</p> <p>Nationalism and Sectionalism</p> <p>Nationalism and Monroe Administration</p> <p>Sectionalism and the Jackson Administration</p>	<p>1104</p> <p>A Nation Divided</p> <p>The Emergence of Sectionalism</p> <p>The Issues of Division</p> <p>The Division of Land</p> <p>The Division of People</p> <p>Civil War</p> <p>The Economics of Slavery</p> <p>The Social Conditions of Slavery</p> <p>The Politics of Slavery</p>	<p>1105</p> <p>A Nation Divided and United</p> <p>Regionalism</p> <p>Regional Issues</p> <p>Regional Expansion</p> <p>Regional Lifestyles</p> <p>Civil War</p> <p>The Division</p> <p>The Antagonists</p> <p>The Union Blockade</p> <p>The Hostilities: Initial Phase</p> <p>Christians in a Troubled Time</p> <p>The Hostilities: Final Phase</p> <p>Reconstruction</p> <p>Northern Influences</p> <p>Southern Reactions</p>
<p>1106</p> <p>United States Involvement at Home and Abroad</p> <p>Surge of the United States Industry</p> <p>Industrial Birth</p> <p>Economic Expansion</p> <p>Change of Industrial Lifestyle</p> <p>Industrial Trends</p> <p>Worker Treadmill</p> <p>Isolationism of the U.S.</p> <p>Isolationistic Foreign Policy</p> <p>International Realism</p> <p>March Into Conflict</p> <p>Causes</p> <p>Factions</p>	<p>1107</p> <p>The Depression Years</p> <p>The Great War and its Aftermath</p> <p>The First Global Conflict</p> <p>A Plan for Peace</p> <p>The Golden Twenties</p> <p>Changing Postwar Attitudes</p> <p>Changing Postwar Lifestyles</p> <p>The Great Depression</p> <p>Progress Before the Depression</p> <p>Conditions During the Depression</p> <p>The New Deal</p> <p>The Founder of the New Deal</p> <p>The Program of the New Deal</p>	<p>1108</p> <p>War and Nonresistant Christians</p> <p>World War II</p> <p>Causes of World War II</p> <p>The War in Europe and the Pacific</p> <p>Cold War Era</p> <p>Cold War Becomes Hot</p> <p>Eisenhower Administration</p> <p>“Resist Not Evil”; Conscientious Objectors in American History</p> <p>Colonial Days</p> <p>Revolutionary War</p> <p>Between Wars</p> <p>The Civil War</p> <p>The World Wars and After</p> <p>Biblical Nonresistance and Humanistic Pacifism</p>	<p>1109</p> <p>Contemporary America I</p> <p>President Kennedy and the New Frontier</p> <p>President Johnson and the Great Society</p> <p>President Nixon and the New Internationalism</p>	<p>1110</p> <p>Contemporary America II</p> <p>President Ford and a Time to Heal</p> <p>President Carter and a Principled Populism</p> <p>President Reagan and the Reagan Revolution</p> <p>President Bush and the New World Order</p> <p>President Clinton and Domestic Innovation</p>

<p>1201</p> <p>Personal and Social Challenges</p> <p>Self: Maturity, Mental Health, and Career</p> <p>Personality</p> <p>Potentiality</p> <p>Family</p> <p>The Holy Institution</p> <p>The Devoid Substitution</p> <p>Education</p> <p>Secular Education</p> <p>Scriptural Education</p> <p>Discrimination</p> <p>Constitutional Rights</p> <p>Covenantal Rights</p>	<p>1202</p> <p>American Political Challenges</p> <p>The American Party System</p> <p>Importance of Political Parties</p> <p>Development of the Major Parties in the United States</p> <p>The Structure of the Party System</p> <p>Functions of Political Parties</p> <p>Organization of Political Parties</p> <p>Importance of Politics</p> <p>Nominations and Elections</p> <p>Nominating Candidates for Office</p> <p>Voting in Elections</p> <p>Making Voting More Effective</p> <p>Public Opinion and Government</p> <p>The Nature of Public Opinion</p> <p>The Opinion Makers</p>	<p>1203</p> <p>Economic Challenges</p> <p>The Market Economy: Part One</p> <p>Definition</p> <p>Development</p> <p>The Market Economy: Part Two</p> <p>Scarcity</p> <p>Production</p> <p>Capital</p> <p>Division of Labor</p> <p>Profit Maximization</p> <p>Utility</p> <p>Price, Demand, and Supply</p> <p>The Problems of Business</p> <p>Management</p> <p>Labor</p> <p>Relation to Government</p>	<p>1204</p> <p>International Relations</p> <p>Approaches to International Relations</p> <p>The Present Situation</p> <p>The Traditional Approach to International Relations</p> <p>The Assumptions of Traditional International Relations</p> <p>Present Alternatives in International Relations</p> <p>Changes in International Relations</p> <p>Changes in Foreign Policy</p> <p>Changes in the International System</p> <p>Changes in International Values</p>	<p>1205</p> <p>Man and His Role in the Environment</p> <p>Man and His Environment</p> <p>Ecology</p> <p>Pollution: Where and How It Occurs</p> <p>Energy</p> <p>Early History of Energy</p> <p>Sources of Fossil Fuels</p> <p>Energy Measurements, Laws, and Forms</p> <p>Problems of Fossil-Fuel Consumption</p> <p>Political Ramifications of Energy</p> <p>Conservation and Alternate Energy</p> <p>Methods of Conserving</p> <p>Alternate Energy Resources</p>
<p>1206</p> <p>The Christian and Authority</p> <p>The Christian's Responsibility to Biblical Authority</p> <p>Freedom From Bondage</p> <p>Liberation by Faith</p> <p>Responsibility to Serve</p> <p>The Christian's Responsibility to Social Authority</p> <p>Family, the Foundation</p> <p>Church, the Channel</p> <p>World, Our Work</p> <p>The Christian's Responsibility to Government Authority</p> <p>Requirement to Obey</p> <p>Biblical Principles Regarding:</p> <p>Governmental Authority,</p> <p>Functions of Government,</p> <p>Believer's Responsibility to Governments</p> <p>Implications and Illustrations for Christians in Today's World</p>	<p>1207</p> <p>A History of the Jewish Peoples</p> <p>Jewish Survival in the Early Christian World</p> <p>Dispersion</p> <p>Rationale of Anti-Semitism</p> <p>Inception of Religious Anti-Semitism</p> <p>Jewish Life in the Middle Ages</p> <p>Charges Against the Jews</p> <p>Spanish Inquisition</p> <p>Unity of the Jews</p> <p>Jewish Growth, Persecution, and Reform</p> <p>Jewish Economic Ascendancy</p> <p>Advent of Hebrew Phobia</p> <p>Jewish Reaction and Results</p> <p>Reform and Return</p> <p>Division and Reconciliation</p> <p>Latter Days</p> <p>Christians and Jews</p>	<p>1208</p> <p>The Role of the Family in Today's Society</p> <p>The Family</p> <p>The Nature of the Family</p> <p>The Composition of the Family</p> <p>The Extended Family and the Community</p> <p>Components of the Extended Family</p> <p>The Family in the Community</p> <p>The Requirements and Responsibilities of a New Family</p> <p>Knowing Yourself</p> <p>Understanding Your Partner</p> <p>Being Responsible</p> <p>Parenting</p>	<p>1209</p> <p>The Societal, Economic, and Political Challenges of Man</p> <p>History and the Challenges of Change in Society</p> <p>Definition of History</p> <p>Permanence and Change in Society</p> <p>Implications of History</p> <p>Early Society's Challenges</p> <p>The Effects of New Inventions and Technology on Society</p> <p>The Effects of Transportation and Communication on Society</p> <p>The Challenges of Economic Growth</p> <p>Economic Development</p> <p>Medium of Exchange</p> <p>Resources, Transportation, and Markets</p> <p>The Significance of Labor and Trade on the Economy</p> <p>The Challenges of Political Change</p> <p>Government in Society</p> <p>Beginnings of Modern Democracy</p> <p>Types of Government</p> <p>Modern Political Activity</p> <p>Trends in Political Change</p>	<p>1210</p> <p>Review</p> <p>American Challenges</p> <p>Personal and Social</p> <p>Political</p> <p>Economic</p> <p>World Challenges</p> <p>International Relations</p> <p>Environmental Problems</p> <p>Judaeo-Christian Foundations</p> <p>Christian Authority</p> <p>Jewish Authority</p> <p>Man and Society</p> <p>The Family</p> <p>Society</p>

CHRISTIAN LIGHT CURRICULUM ELECTIVES

GRADES 7–12

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ACCOUNTING

Accounting, based on *Century 21 Accounting*, 11th Edition ©2019 (Grade 11 or 12). Multicolumn journal accounting in three cycles:
1) Accounting for a Service Business Organized as a Proprietorship, 2) Accounting for a Merchandising Business Organized as a Partnership, and 3) Accounting for a Merchandising Business Organized as a Corporation. (One credit)

<p>Part 1: Accounting for a Service Business Organized as a Proprietorship</p> <p>LightUnit 1</p> <p>Chapter 1: Starting a Proprietorship: Changes That Affect the Accounting Equation</p> <p>Chapter 2: Analyzing Transactions into Debit and Credit Parts</p>	<p>LightUnit 2</p> <p>Chapter 3: Journalizing Transactions</p> <p>Chapter 4: Posting to a General Ledger</p> <p>Chapter 5: Cash Control Systems</p>	<p>LightUnit 3</p> <p>Chapter 6: Work Sheet and Adjusting Entries for a Service Business</p> <p>Chapter 7: Financial Statements for a Proprietorship</p> <p>Chapter 8: Recording Closing Entries and Preparing a Post-Closing Trial Balance for a Service Business</p>	<p>Part 2: Accounting for a Merchandising Business Organized as a Corporation</p> <p>LightUnit 4</p> <p>Chapter 9: Accounting for Purchases and Cash Payments</p> <p>Chapter 10: Accounting for Sales and Cash Receipts</p> <p>Chapter 11: Accounting for Transactions Using a General Journal</p>	<p>LightUnit 5</p> <p>Chapter 12: Preparing Payroll Records</p> <p>Chapter 13: Accounting for Payroll and Payroll Taxes</p>
<p>LightUnit 6</p> <p>Chapter 14: Accounting for Uncollectible Accounts Receivable</p> <p>Chapter 15: Preparing Adjusting Entries and a Trial Balance</p>	<p>LightUnit 7</p> <p>Chapter 16: Financial Statements and Closing Entries for a Corporation</p> <p>Chapter 17: Financial Statement Analysis</p>	<p>Part 3: Accounting for a Merchandising Business Organized as a Corporation—Adjustments and Valuation</p> <p>LightUnit 8</p> <p>Chapter 18: Acquiring Capital for Growth and Development</p> <p>Chapter 19: Accounting for Plant Assets, Depreciation, and Intangible Assets</p> <p>Chapter 20: Accounting for Inventory</p>	<p>LightUnit 9</p> <p>Chapter 21: Accounting for Accruals, Deferrals, and Reversing Entries</p> <p>Chapter 22: End-of-Fiscal-Period Work for a Corporation</p> <p>Part 4: Additional Accounting Procedures</p>	<p>LightUnit 10</p> <p>Chapter 23: Accounting for Partnerships</p> <p>Chapter 24: Recording International and Internet Sales</p>

APOLOGIA SCIENCE

Alternate science courses for Grades 8-12. We recommend using General Science at Grade 8, Physical Science at Grade 9, and Physics or Advanced Biology at Grade 12.

This course covers a wide range of the branches of science while making the connections between each. In a detailed and engaging way, students will learn what science is and how to utilize the proper scientific method.

This course discusses atomic structure, the periodic table, chemical bonds, reactions and energy, motion, forces, energy, waves and sound, light, electricity and magnetism, and Earth's structure, weathering, and atmosphere.

This course is a college-prep physics course designed for students who have completed Algebra 1 and geometry and have had an introduction to the definitions of *sine*, *cosine*, and *tangent*.

This advanced biology course covers both the anatomy and physiology of each of the human body's organ systems for those students who have successfully completed high school biology and chemistry.

General Science 3 rd Edition	Physical Science 3 rd Edition	Physics 2 nd Edition	Advanced Biology 2 nd Edition	
Module 1: The History of Science— Search for the Truth	Module 1: Science – the Basics	Module 1: Motion in One Dimension	Module 1: Introduction to Anatomy and Physiology	
Module 2: Scientific Inquiry and the Scientific Method	Module 2: Chemistry Properties and States of Matter	Module 2: One-Dimensional Motion Equations and Free Fall	Module 2: Histology: The Study of Tissues	
Module 3: Documenting and Interpreting Experimental Results	Module 3: Chemistry – Atomic Structure and the Periodic Table	Module 3: Two-Dimensional Vectors	Module 3: The Integumentary and Skeletal Systems	
Module 4: Scientific Analysis and History	Module 4: Chemistry – Chemical Bonds	Module 4: Motion in Two Dimensions	Module 4: The Skeletal System Histology and Movement	
Module 5: Earth Science—Astronomy	Module 5: Chemistry – Reactions and Energy	Module 5: Newton's Laws	Module 5: The Muscular System Histology and Physiology	
Module 6: Earth Science—Geology and Paleontology	Module 6: Physics – Motion	Module 6: Applications of Newton's Second Law	Module 6: The Skeletal Muscle System	
Module 7: Earth Science— Meteorology and Oceanography	Module 7: Physics – Forces	Module 7: Uniform Circular Motion and Gravity	Module 7: The Nervous System	
Module 8: General Chemistry	Module 8: Physics – Energy	Module 8: Work and Energy	Module 8: The Central Nervous System	
Module 9: General Physics	Module 9: Physics – Waves and Sounds	Module 9: Momentum	Module 9: The Peripheral Nervous System	
Module 10: Life Science	Module 10: Physics – Light	Module 10: Periodic Motion	Module 10: The Endocrine System	
Module 11: General Biology	Module 11: Physics – Electricity and Magnetism	Module 11: Waves	Module 11: The Cardiovascular System	
Module 12: Marine Science	Module 12: Earth Science – Our Earth	Module 12: Geometric Optics	Module 12: The Lymphatic System	
Module 13: Environmental Science	Module 13: Earth Science – Our Atmosphere and Beyond	Module 13: Coulomb's Law and the Electric Field	Module 13: The Digestive System	
Module 14: Science and Creation	Module 14: Chemistry and Physics in the Life Sciences	Module 14: Electric Potential	Module 14: The Respiratory System	
	Module 15: Physical Science Research	Module 15: Electric Currents	Module 15: The Urinary System	
		Module 16: Magnetism	Module 16: The Reproductive Systems	

AUTO FUNDAMENTALS

Auto Fundamentals 13th Edition ©2023 (Grade 11 or above). This course covers auto design, construction, and operation of automotive systems. Auto systems are taught by first explaining the principle of each and then describing the parts that make them up. After completing the course, students will have a good understanding of how each automotive system functions. (One credit)

LightUnit 1 Career Opportunities Safety Automotive Tools and Test Equipment	LightUnit 2 Building an Engine Design, Construction, and Application of Engine Components Engine Classification, Parts Identification	LightUnit 3 Engine Size and Performance Measurements Electrical System Fundamentals Computer Systems	LightUnit 4 Ignition Systems Fuel Injection Systems Fuel and Air Supply Systems	LightUnit 5 Cooling Systems Lubrication Systems Exhaust Systems
LightUnit 6 Emission Controls Charging and Starting Systems Chassis Electrical	LightUnit 7 Engine Clutches Manual Transmissions and Transaxles Automatic Transmissions and Transaxles	LightUnit 8 Axles and Drives Four-Wheel Drive Brakes	LightUnit 9 Suspension Systems Steering Systems Wheels and Tires	LightUnit 10 Wheel Alignment Air Conditioning and Heating

AUTO UPKEEP

Auto Upkeep 4th Edition ©2018 (Grade 9 or above). This course presents the information needed to purchase a vehicle and perform basic maintenance. The format is easy to follow with hundreds of detailed pictures and drawings. It gives an overview of all the main vehicle systems and also covers basic tools, repair facilities, roadside emergencies, and hybrid vehicles. (One-half credit)

LightUnit 1 Introduction and How Cars Work Buying an Automobile Automotive Expenses Repair Facilities	LightUnit 2 Safety Around the Automobile Tools and Equipment Auto Care and Cleaning Fluid Level Check	LightUnit 3 Electrical System Lubrication System Fuel System Cooling System and Climate Control	LightUnit 4 Ignition System Suspension, Steering, and Tires Braking System Drivetrain	LightUnit 5 Exhaust and Emission System Alternative Fuels and Designs Automotive Accessories Common Problems and Roadside Emergencies
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BEREAN BUILDERS SCIENCE

Chemistry 11 *Discovering Design with Chemistry* ©2015 (Grade 11 or above). Alternate course for chemistry. (One credit).

Chapter 1: Measuring Up Chapter 2: What's the Matter? Chapter 3: Making Sense of Atoms and Elements Chapter 4: The Modern View of Atoms and Their Chemistry	Chapter 5: Covalent Compounds and their Molecular Geometry Chapter 6: Physical and Chemical Change Chapter 7: Stoichiometry	Chapter 8: Still More on Stoichiometry Chapter 9: Chemists Have Solutions Chapter 10: It's a Gas	Chapter 11: Some Pretty Basic (and Acidic) Chemicals Chapter 12: Reduction and Oxidation Chapter 13: The Heat Is On	Chapter 14: Thermodynamics Chapter 15: Kinetics Chapter 16: Chemical Equilibrium
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CANADIAN SOCIAL STUDIES 700

Grade 7 Social Studies, Sunrise Edition, is based on the history textbook *A Goodly Heritage*, compiled by the parochial schools of Ontario, Canada. The first five units guide the study of the textbook, which covers Canadian history to the time of Confederation. The last five units are optional teacher-led studies.

701 Native	702 French Settlement and the British Colonies	703 The British Conquest of New France and the American Revolution	704 Conflicts That Influenced Pre-Confederation Canada	705 Confederation
<p>Section 1 North America Before the Europeans Important Maps of Canada</p> <p>Section 2 The Indians of the Eastern Woodlands Indians of the Plains The Pacific Coast Natives Natives of the Arctic Native People Project Europeans Affect the Natives</p> <p>Section 3 Vikings and Explorers Jacques Cartier Explores the St. Lawrence</p>	<p>Section 1 France and the New World Acadia The Struggle to Establish New France New France: The Struggle to Survive</p> <p>Section 2 The Jesuit Missions The Iriquois Invasion The English in Newfoundland</p> <p>Section 3 Virginia and the New England Colonies The Middle and Southern Colonies Pennsylvania Project</p>	<p>Section 1 New France Becomes Stronger Life on a Seigneury Furs and Explorations New France Grows and Conflicts With Britain</p> <p>Section 2 The Expulsion of the Acadians Conflict on the Ohio Frontier The End of New France</p> <p>Section 3 Causes of the American Revolution The Declaration of Independence Results of the American Revolution The Loyalists</p>	<p>Section 1 Mennonite Life in Colonial America The Mennonites and the Indians Mennonites and the American Revolution</p> <p>Section 2 Western Fur Trade Some Causes of the War of 1812 More Causes of the War of 1812 The War of 1812</p> <p>Section 3 The Slavery Question Drift Toward Disunion The Civil War Results of the Civil War</p>	<p>Section 1 Colonial Government Political Reasons for Unrest Economic Reasons for Unrest Reformers in Upper and Lower Canada</p> <p>Section 2 Rebellion of 1837 Lord Durham's Report Responsible Government The Expansion of the United States</p> <p>Section 3 Reasons for Confederation The Fathers of Confederation British North America Act</p>

LightUnit 705 and the Teacher's Material contain ideas for projects that students may do to earn five more LightUnits' worth of credit.

CANADIAN SOCIAL STUDIES 800

Grade 8 Social Studies, Sunrise Edition, is a five or ten-unit course based on the textbook *Pleasant Places*. The first five units are study guides based on the textbook, and the last five are optional unit studies. Begins with Confederation and covers Canadian history up to the end of the 20th century.

<p>801</p> <p>Early Settlements in Upper Canada</p> <p>Section 1 Waves of Immigration The Germans in North America Waterloo County's Beginnings</p> <p>Section 2 Village Life Project: Local Town or County Pattern of Settlement The Canada Company Changing Times</p> <p>Section 3 Pioneer Homes Pioneer Food Social Life and Medical Service</p>	<p>802</p> <p>Pioneer Life in Upper Canada</p> <p>Section 1 Religion in Pioneer Days Rural Government Early Industries History of Education</p> <p>Section 2 Water Transportation Early Road Transportation Means of Transportation by Road Rail Transportation and Mail Service</p> <p>Section 3 Early Farming Era of Diversification Era of Specialization</p>	<p>803</p> <p>Canada Grows; World War I</p> <p>Section 1 Conservative Government Immigration and the West Canadian Government Under Mackenzie and Macdonald Troubles in the West</p> <p>Section 2 Prosperity in Canada Background and Setting for World War I Causes of World War I World War I Attempts to Establish Peace</p> <p>Section 3 Canada During the War Canadian Mennonites During the War</p>	<p>804</p> <p>Booming Twenties, Difficult Thirties; War Years</p> <p>Section 1 The Aftermath of World War I The Booming Twenties The Great Depression Effects on Government</p> <p>Section 2 Background of World War II The Collapse of Europe War Around the World World War II Ends</p> <p>Section 3 The Cold War Begins Canada and World War II COs and World War II</p>	<p>805</p> <p>Modern Canada</p> <p>Section 1 Changes in Communication and Power The Space Age Transportation Building Projects and Other Facts</p> <p>Section 2 Changes in Politics Quebec and Separation Canada Since 1970</p> <p>Section 3 Russian Mennonite Emigration to Canada Migrations to Canada After the Russian Immigration Amish Emigration to Ontario Hutterite History and Settlement in Canada</p>
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LightUnit 805 and the Teacher's Material contain ideas for projects that students may do to earn five more LightUnits' worth of credit.

CARPENTRY

Carpentry 7th Edition ©2021 (Grade 10 or above). *Carpentry* covers safety and accident prevention, building materials, construction lumber, hand and power tools, insulation, hardware, fasteners and adhesives, and concrete and forms building. Hundreds of illustrations show the accepted tools, materials, and practices. Information is given on how to use each tool on the job. The power tool coverage reflects actual work conditions. The use of newer materials such as metals and vinyl is covered. (One credit)

<p>LightUnit 1</p> <p>Carpentry and Construction Types of construction The building trades</p> <p>Construction Materials The nature of wood Lumber Engineered wood products Concrete Fastening systems</p>	<p>LightUnit 2</p> <p>Hand Tools Measuring and layout tools Fastening and prying tools Sawing and cutting tools Boring and clamping tools Smoothing tools</p> <p>Power Tools Portable power saws Stationary power saws Portable power drills and screw-drivers Portable power planes, routers, and sanders Pneumatic and power-actuated tools Welding and metal-cutting equipment</p>	<p>LightUnit 3</p> <p>Construction Equipment, Job Site Safety, and Working Conditions Scaffolds, personal fall-arrest systems, and ladders Construction equipment Job site safety and working conditions</p> <p>Building Design and Printreading Building design, plans, and specifications Understanding the language of prints Plot plans Foundation plans Floor plans Exterior elevations Section views Detail and framing plans Door, window, and finish schedules Building codes, zoning, permits, and inspections</p>	<p>LightUnit 4</p> <p>Survey Instruments and Operations Builder's levels, automatic levels, and transit-levels Laser levels and total station instruments</p> <p>Foundation and Outdoor Slab Construction Building site and foundation layout Types of foundations Forming methods and materials Foundation designs—form construction Stairway and outdoor slab forms Foundation moisture control and insect prevention</p>	<p>LightUnit 5</p> <p>Floor, Wall, and Ceiling Frame Construction Floor framing Wall framing Ceiling framing Metal framing</p>
<p>LightUnit 6</p> <p>Roof Frame Construction Basic roof types and roof theory Gable, gambrel, and shed roofs Hip roofs Intersecting roofs Roof trusses</p>	<p>LightUnit 7</p> <p>Energy Conservation: Energy Auditing and Construction Methods Energy auditing and building science Thermal insulation and other insulating methods Sound control Alternate energy systems</p> <p>Exterior Finish Roof finish Exterior door and window frames Exterior wall finishes Decks and fencing</p>	<p>LightUnit 8</p> <p>Interior Finish Interior wall and ceiling finish Interior doors and hardware Cabinet and countertop installation Interior trim Finish flooring</p>	<p>LightUnit 9</p> <p>Stairway Construction Types of stairways Stairway construction</p> <p>Post-and-Beam Construction Post-and-beam construction Mass timber construction</p>	<p>LightUnit 10</p> <p>Heavy Concrete Construction Foundation design for heavy construction Commercial concrete construction formwork Concrete placement for commercial construction Precast concrete systems</p>

CHARTING A COURSE IN YOUR YOUTH

Charting a Course in Your Youth (Grade 9 or above). This course, based on the book *Charting a Course in Your Youth* by Gary Miller, discusses the vision, commitment, and disciplined management necessary to build the kingdom of God. (One-half credit)

LightUnit 1	LightUnit 2	LightUnit 3	LightUnit 4	LightUnit 5
<p>Textbook Introduction Direction in Your Youth Flying Free, Part 1 Flying Free, Part 2 The Importance of Vision, Part 1 The Importance of Vision, Part 2 "Choose You This Day," Part 1 "Choose You This Day," Part 2 Biblical Stewardship—The Missing Ingredient? Part 1 Biblical Stewardship—The Missing Ingredient? Part 2 The Dutch Mennonites—A Lesson from History Stufflust</p>	<p>Do I View Money and Possessions as Jesus Did? Part 1 Do I View Money and Possessions as Jesus Did? Part 2 Developing a Biblical Value System, Part 1 Developing a Biblical Value System, Part 2 A Steward? What's That? Part 1 A Steward? What's That? Part 2 Developing a Kingdom-Focused Vision, Part 1 Developing a Kingdom-Focused Vision, Part 2 Whose Kingdom Are You Building? Part 1 Whose Kingdom Are You Building? Part 2 Frank, the Wise Investor, Part 1 Frank, the Wise Investor, Part 2</p>	<p>Putting Your Vision Into Action, Part 1 Putting Your Vision Into Action, Part 2 Diligence in the Workplace, Part 1 Diligence in the Workplace, Part 2 An Employee for God's Honor Developing Personal Discipline, Part 1 Developing Personal Discipline, Part 2 Who Needs a Budget? Setting Up a Budget for Youth Setting Up a Budget for a Home Choosing a Career, Part 1 Choosing a Career, Part 2</p>	<p>Money and Marriage, Part 1 Money and Marriage, Part 2 Single Life—Serving Without Distraction, Part 1 Single Life—Serving Without Distraction, Part 2 Investing in the Kingdom, Part 1 Investing in the Kingdom, Part 2 Crosswinds, Part 1 Crosswinds, Part 2 "They That Will Be Rich . . ." Part 1 "They That Will Be Rich . . ." Part 2 Planning for a Business A Kingdom-Focused Business</p>	<p>Consider Before Committing, Part 1 Consider Before Committing, Part 2 Selecting a Kingdom Chariot, Part 1 Selecting a Kingdom Chariot, Part 2 Consumer Credit and the Kingdom, Part 1 Consumer Credit and the Kingdom, Part 2 Private Loans Saving and Serving—A Window of Opportunity, Part 1 Saving and Serving—A Window of Opportunity, Part 2 Materialism—Satan's Sneaky Substitute, Part 1 Materialism—Satan's Sneaky Substitute, Part 2 Review and Evaluation</p>

CHRISTIAN ETHICS

Christian Ethics (Grade 10 or above). This course explores God’s wisdom from the Book of Proverbs. It discusses the source of wisdom and its benefits, contrasts between those who accept and those who reject God’s ways, and emphasizes ethics for the student’s daily life. It investigates the circumstances and temptations that draw us away from God and test our faithfulness. God’s solutions and strategies are topically arranged to help the serious student achieve and maintain a victorious Christian life. (One-half credit)

Unit 1	Unit 2	Unit 3	Unit 4	Unit 5
The Virtues of Wisdom Why Christian Ethics? Introducing Proverbs Exploring the Layout of Proverbs Proverbs—Source of Godly Wisdom The Beginning of Wisdom Wellspring of Wisdom Wisdom Helps Me Hear Wisdom Helps Me Trust Wisdom Helps Me Be Humble Wisdom Helps Me Obey Wisdom Helps Me Turn From Evil	Choosing Your Path Where the Paths Diverge Peace or Conflict Way of the Fool Ways of the Wicked Path of the Righteous Blessings or Curses The Choice Is Yours	Christian Ethics for Daily Living The Tongue of the Foolish The Tongue of the Wise The Foolishness of Anger A Life of Peace and Happiness Dutifully Diligent Lethargy of Laziness Paradox of Poverty Wise and Wealthy	Ethical Problems and Solutions Gratitude Versus Greed Humility Versus Pride Respect or Rebellion Thoughts—Index to Character Triumph of Temperance Strategy of the Strange Woman Keep Thyself Pure The Ideal Individual	Wisdom’s Ways Friendship and Fellowship Criteria for Counsel Humanity in Human Relationships Parable of the Manners Seven Pillars of Wisdom Happy and Healthy or Sad and Sick? Six Fours of Proverbs 30 God’s Wisdom and Ways Topical Proverbs

CHURCH HISTORY I

Church History I (Grade 9 or above). Five LightUnits provide exercises and tests for this course. The LightUnits direct students to read portions of the course textbook, *Church History: Resurrection to Reformation*. The history of the church is a history of real people—popes and priests, monks and martyrs, and many ordinary folks like us. All claimed to follow Christ, but not all had the same understanding of what it meant to be Christian. This account of the church up to the beginning of the Anabaptist movement helps us understand how the church grew and changed over the centuries. It inspires us to faithfulness to Christ and His teaching in our day. (One-half credit)

LightUnit 1	LightUnit 2	LightUnit 3	LightUnit 4	LightUnit 5
The Birth of the Church and the Early Spread of the Way The Birth of the Church The New Testament The Early Spread of the Way Writings of the Church Fathers The Church Faces Persecution and False Teachings Christians Face Persecution The Church Grows Under Martyrdom Apologists Explain Christianity The Church Takes a Stand The Emperor Converts; the Church Compromises Constantine Converted The Church Compromises The Constantinian Change Analyzing the Change	Church Unity and Controversy; Politics; the Church of the East The Church Enforces Unity The Church Persecutes Christians Church Politics and Councils The Church of the East Unscriptural Developments in the Church The Latin Church Fathers: Augustine Development of the Papacy Development of Monasticism Monasticism Examined Early British and Irish Christianity Early British Christianity British Christianity After A.D. 600 Patrick in Ireland Irish Christianity	Christianizing Europe in the Dark Ages The Church Enters the Dark Ages The Church in the Dark Ages The Church Fills the Void Left by Rome Christianizing Europe From Islam to Charlemagne; Eastern Christianity The Rise of Islam Christian Areas Fall to Islam Pope and King Compete for Power Eastern Christianity Russia; Nonconformists; Upheaval and Schism Russian Christianity Paulicians and Bogomili Social Upheaval, Darkness, and Reform The Great Schism	Shapers of Late Medieval Society Scholasticism The Crusades The Black Death Groups of Nonconformists; the Cathari The Church Deals With Nonconformists The Waldenses Persecution and Crusade Inquisition The Franciscans: An Approved Alternative Late Medieval Reform Movements Reform Movements in Northern Europe John Wycliffe – England John Huss – Bohemia The Hussites	Harbingers of the Reformation The Renaissance Papal Corruption Peasant Uprisings The Bible for the Common People The Magisterial Reformation Martin Luther's Ninety-Five Theses Luther's Later Work Ulrich Zwingli John Calvin The Radical Reformation: Anabaptism Conrad Grebel Felix Manz and George Blaurock Michael Sattler and the Schleitheim Confession Anabaptism Spreads Rapidly

COMPUTER BASICS

Computer Basics, Sunrise Edition (Grade 9 or above). Gives students a foundation for learning computer applications. A computer is not needed for the course, though having one available would be very beneficial to the student. This course provides a basic history of computers and describes how computers work. It also deals with computer software including word processing, databases, spreadsheets, desktop publishing, and more. There is information on computers in the workplace and choosing a computer and software. (One-half credit)

LightUnit 1	LightUnit 2	LightUnit 3	LightUnit 4	LightUnit 5
Introduction to the Computer Age Computer Background What Is a Computer? Advantages and Limitations of a Computer Parts of a Computer Storage Devices Development of Computers Basic Beginnings Since the 1930's Computers and People How Computers Affect Everyday Life How Computers Affect Home and Farm How Computers Affect Communities and Government How Computers Affect Education How Computers Affect Business, Industry, and Travel How Computers Affect Travel and Health Care	Software for Hardware Binary Number Basics Base Ten and Base Two Converting From Base Ten to Base Two How Computers Use Binary for Input, Output, and Storage How Software Works Programming History Syntax Software Diversity Producing Software Variable and Constants Arithmetic and Relational Operators Logical Operators Programming Structures Modules and Documentation Debugging and Upgrades	Using Computer Software (Part I) Introduction Which Software? Using Windows Word Processing Software Why Use Word Processing Software? Editing Formatting Mail Merge Spreadsheet Software Why Use Spreadsheet Software? Entering, Editing, and Formatting Data Formulas Functions A Spreadsheet Example: Graphs Using a Spreadsheet as a Database	Using Computer Software (Part II) Database Software Why Use It? Structure Adding and Editing Records Sorts, Queries, and Reports Other Software Accounting Software Desktop Publishing Software Internet and E-mail Software Presentation and Voice Recognition Software File Management Software Networks and Peripherals Networks Printers and Scanners Modems and Faxes	Computers and the Workplace Work and the Computer Medical Use of the Computer Business Use of the Computer Industrial Use of the Computer Computer Jobs Safety, Security, and Ethics Software Needs Hardware Needs Getting Information Reviewing This Course — LightUnits 1-4

COMPUTER SERVICE AND REPAIR

Computer Service and Repair, 6th Edition ©2025 (Grade 10 or above). This course teaches fundamental knowledge in computer technology. Learn how to upgrade, configure, troubleshoot, and network personal computers. After taking this course, students will have the foundation necessary for pursuing more technical areas involving computers. (One credit)

<p>LightUnit 1 Introduction to a Typical PC Operating Systems</p>	<p>LightUnit 2 Motherboards Central Processing Unit (CPU) Power Supplies</p>	<p>LightUnit 3 Memory Input Devices Video Systems</p>	<p>LightUnit 4 Audio Systems Magnetic and Solid-State Storage Devices Optical Storage Technology</p>	<p>LightUnit 5 Printers Laptops and Mobile Devices</p>
<p>LightUnit 6 Modems and Transceivers Physical Security and Authentication Security Applications and Malware</p>	<p>LightUnit 7 PC Troubleshooting Data Recovery Introduction to Networking</p>	<p>LightUnit 8 Network Communication, Media, and Tools Managing Networks</p>	<p>LightUnit 9 Network Operation and Connectivity Small-Office/Home-Office (SOHO) Networking</p>	<p>LightUnit 10 Customer Support, Communication, and Professionalism CompTIA A+ Certification Exams Preparation Employment and Advanced Education</p>

CONSUMER MATHEMATICS

Consumer Mathematics (Grade 9 or above). This course trains the student in practical daily applications of mathematical skills. It may be used as a supplement to a mathematics program or as a part of the basic mathematics program. The course involves the student in new and creative skills and previously learned skills. The student is given examples to help him understand and use each mathematical skill in various consumer problems. These problems deal with family finances, occupations, business, and transportation. (One credit)

<p>LightUnit 1 Creative Arithmetic</p> <p>Basic Arithmetic Skills Addition Subtraction Multiplication Division</p> <p>Mental Search Skills Puzzles Factors Prime Numbers</p> <p>Creative Manipulation Skills Addition and Subtraction Multiplication Division Mental Imagery</p>	<p>LightUnit 2 Fractions, Decimals, and Percent</p> <p>Fractions Terminology Skills Consumer Applications</p> <p>Decimals Terminology Skills Consumer Applications</p> <p>Percent Decimal Fractions Consumer Applications</p>	<p>LightUnit 3 Family Finances 1</p> <p>Income Salary Wages Commission Self-Employment</p> <p>Taxes Income FICA Miscellaneous</p> <p>Budgets Planning the Budget Working the Budget</p> <p>Buying Sales Prices Real Estate Advertisements Food Buying Credit Buying</p>	<p>LightUnit 4 Family Finances 2</p> <p>Insurance Life Insurance Automobile Insurance Other Insurance</p> <p>Banking Your Money Their Money Other Services</p> <p>Financial Planning Making Investments Disposing of an Estate</p>	<p>LightUnit 5 Construction and Building Trades</p> <p>Measure Systems Metric System Conversion Procedures</p> <p>Area Computations and Applications Plane Figures With Straight Boundaries Plane Figures With Curved Boundaries Area Applications</p> <p>Volume Computations and Applications Solid Figures With Plane Boundaries Solid Figures With Curved Boundaries</p>
<p>LightUnit 6 Service Occupations</p> <p>Financial Transactions Cash Transactions Involving Change Sales Tax</p> <p>Data Interpretations Tabular Data Interpretation Line-Graph Analysis Bar-Graph Analysis Facility Capacity Estimation</p> <p>Service Occupations Food Services Personal Appearance Services Prices for Services Rendered</p>	<p>LightUnit 7 Transportation</p> <p>Financing and Operating an Automobile Finance Charges Automobile Operating Costs Insurance Cost Comparisons</p> <p>Transportation and Travel Time, Distance, and Rate Time Zone Adjustments</p> <p>Currency Exchange Rates and Travel Cost Comparisons Currency Exchange Rates Travel Cost–Benefit Comparisons</p>	<p>LightUnit 8 Business Services</p> <p>Financial Records: Part I Balance Sheet Cash Budget</p> <p>Financial Records: Part II Bank Statement Reconciliation Payroll Deductions</p> <p>Business Operations Pricing Considerations Terms of Credit Markups, Markdowns, and Discounts</p>	<p>LightUnit 9 Occupational Diagrams</p> <p>Scale Drawings Reviewing Mathematical Operations Choosing Scales Reading Maps Reading Scale Drawings</p> <p>Informal Geometry Angles Polygon Construction Inscribing Regular Polygons</p> <p>House Plans Diagramming House Plans Furnishings Cost-Saving Guidelines</p>	<p>LightUnit 10 Review</p> <p>Mathematical Operations Fractions, Decimals, and Percentages Ratios and Proportions Angles, Perpendiculars, and Polygons Plane Geometric Figures with Curved Boundaries Solid Geometric Figures Metric Conversion</p> <p>Family Finances Income Taxes Credit Buying Family Financial Records</p> <p>Occupational Services Insurance Banking Transportation and Travel Business Trades and Services Architecture and Interior Decorating</p>

EXPLORING AGRISCIENCE

Exploring Agriscience 5th Edition ©2018 (Grade 9 or above). This course introduces students to the world of agriculture. It covers a wide range of topics, from forestry and landscaping to biotechnology and aquaculture. It helps students understand the most significant components of agriculture and the importance of agriculture to society and teaches many interesting facts about plants and animals without overloading students with details. (Although based on a middle school text, we give a high school credit for this course.)

<p>LightUnit 1</p> <p>The World of Agriculture and the History of Agriculture</p> <p>The World of Agriculture Science and agriculture Growing plants The animal industry Physical science in agriculture Agricultural exports and imports Distribution</p> <p>The History of Agriculture American agriculture King cotton The cattle industry Crop production Scientific research Changes in agriculture</p>	<p>LightUnit 2</p> <p>Soil; Plant Structures and Uses; Pests</p> <p>Soil: The Origin of Life Organic soils Inorganic soils Water-deposited soil Soil deposited by wind Soil texture and soil pH Soil horizons The soil ecosystem Plant life Microorganisms</p> <p>Plant Structures and Their Uses Stems Leaves Flowers Seeds Roots</p> <p>Agricultural Pests Insects Weeds Wildlife as pests Genetic engineering</p>	<p>LightUnit 3</p> <p>Floriculture; Nursery Production; Landscaping</p> <p>Floriculture International aspect National aspect Plants for florists Cut-flower production Flower arrangements</p> <p>Nursery Production Growing media Growing areas Outside growing areas Mist areas Propagation Plant production</p> <p>Landscaping Designing the landscape Plant materials Phases of landscape development Interiorscaping</p>	<p>LightUnit 4</p> <p>Fruit and Nut Production; Row Crops</p> <p>Fruit and Nut Production Pome fruits Apple production Stone fruits Citrus fruit Nut production</p> <p>Row Crops Grain crops Oil crops Fiber crops</p>	<p>LightUnit 5</p> <p>Forest Science; Protecting the Environment; Organic Agriculture</p> <p>Forest Science The natural forest Forest succession The forest ecosystem Wood fiber production Tree farms</p> <p>Protecting the Environment Pesticides Water Pollution Soil Erosion Nitrate Pollution Recycling Wetlands</p> <p>Organic Agriculture The production process Fertilizers Insect control Organic animal agriculture Criticisms of organic production</p>
<p>LightUnit 6</p> <p>The Livestock Industry; The Dairy Industry</p> <p>The Livestock Industry The meat industry The horse industry Small animals</p> <p>The Dairy Industry Milk production Cheese Yogurt</p>	<p>LightUnit 7</p> <p>The Poultry Industry; Aquaculture</p> <p>The Poultry Industry The broiler industry The layer industry Turkey production Other poultry</p> <p>The Science of Aquaculture Catfish production Cool-water fish Growing crustaceans Ornamental fish</p>	<p>LightUnit 8</p> <p>Urban Agriculture; Companion Animals; Preserving Our Food Supply</p> <p>Urban Agriculture The rising popularity of urban agriculture Urban challenges Urban resources Features of the urban garden Food forests Livestock in the city Community gardens School gardens</p> <p>Companion Animals Health benefits Service animals Diseases and afflictions Industry Health care Responsible ownership</p> <p>Preserving Our Food Supply Methods of Preserving Foods Food Safety</p>	<p>LightUnit 9</p> <p>Ethical Treatment of Animals; Hand Tools; Small Engines</p> <p>The Ethical Treatment of Animals Animal welfare Animal rights activists</p> <p>Selecting and Using Hand Tools Simple machines Woodworking tools Measuring and marking tools</p> <p>Small Engine Operation Small engine safety Operating principles of small engines The four-stroke cycle engine The two-stroke cycle engine Comparing four- and two- stroke cycle engines Diesel engines Engine systems</p>	<p>LightUnit 10</p> <p>Biofuels; Biotechnology: The Future of Agriculture; Agricultural Careers</p> <p>Biofuels Ethanol Biodiesel Biomass Methane Concerns</p> <p>Biotechnology: The Future of Agriculture Biotechnology Careers in agriscience</p> <p>Careers in Agricultural Science Plant science Animal science Food science Natural resources Agricultural research</p>

EXPLORING WOODWORKING

Exploring Woodworking 9th Edition ©2024 (Grade 9 or above) This basic course introduces practical woodworking skills and tools. The textbook discusses types and uses of wood; safety; hand tools and portable and stationary power tools; manufacturing and careers in woodworking; and project planning, construction, assembly, preparation for finishing, and finishing. For the last unit, the student designs and constructs a project. (One credit)

<p>LightUnit 1</p> <p>Materials in Woodworking</p> <ul style="list-style-type: none"> Wood in Our Environment The Lumber Industry Woods: Kinds, Uses, and Identification <p>Math Skills</p> <ul style="list-style-type: none"> Numbers and Quantity Measurement Geometry 	<p>LightUnit 2</p> <p>Woodworking Safety</p> <ul style="list-style-type: none"> General Safety Hand and Power Tool Safety Chemical and Fire Safety <p>Project Selection and Planning</p> <ul style="list-style-type: none"> Selecting a Project Planning Your Project 	<p>LightUnit 3</p> <p>Hand Tools</p> <ul style="list-style-type: none"> Measuring and Layout Tools Handsaws Hand Planes Shaping Tools 	<p>LightUnit 4</p> <p>Portable Power Tools</p> <ul style="list-style-type: none"> Portable Electric Drills Portable Circular Saws and Power Miter Saws Portable Saber Saws Portable Routers Biscuit Joiners Portable Planers Portable Sanders 	<p>LightUnit 5</p> <p>Power Woodworking Machines</p> <ul style="list-style-type: none"> Table Saw Band Saw Scroll Saw Radial Arm Saw Drill Press
<p>LightUnit 6</p> <p>Power Woodworking Machines</p> <ul style="list-style-type: none"> Jointer Planer/Surfacer Wood Lathe Shaper Belt, Disc, Spindle, and Drum Sanders 	<p>LightUnit 7</p> <p>Project Construction and Assembly</p> <ul style="list-style-type: none"> Wood Joints Adhesives Clamps Mechanical Fasteners Laminating and Bending Wood Application of Veneers and Plastic Laminates 	<p>LightUnit 8</p> <p>Preparation for Finishing</p> <ul style="list-style-type: none"> Removing Glue and Repairing Defects Smoothing Wood by Scraping Sanding <p>Wood Finishing and Hardware</p> <ul style="list-style-type: none"> Supplies and Equipment Stains, Sealers, and Fillers Finishing Techniques Hardware 	<p>LightUnit 9</p> <p>Woodworking Manufacturing</p> <ul style="list-style-type: none"> Automated Manufacturing Processes Entrepreneurship Setting Up and Managing a Manufacturing Enterprise <p>Careers in Woodworking Industries and Related Areas</p>	<p>LightUnit 10</p> <p>Woodworking Project</p>

HOME ECONOMICS I

Home Economics I, Sunrise Edition (Grade 9 or above). This course introduces high school girls to the skills and knowledge that godly wives, mothers, and homemakers need. Many hands-on learning opportunities provide practice in the skills taught. LightUnit 10 turns the focus to the student herself, giving her guidance in becoming a godly woman—understanding herself, God’s plan for her body, her relationship with God, friends and friendships, modesty, singlehood, and Christian courtship. (One credit)

<p>LightUnit 1 Introduction to the Kitchen</p> <p>Getting Acquainted with the Kitchen Kitchen Safety Killers in the Kitchen: Kitchen First Aid Major and Small Kitchen Appliances Small Kitchen Tools</p> <p>Preparing for Success With Recipes Common Cooking Terms Common Abbreviations; Equivalents Calculating Equivalents Measuring Accurately</p> <p>Practicing New Skills Preparing Several Food Dishes From Recipes</p>	<p>LightUnit 2 Nutrition and Food Preparation</p> <p>Understanding Nutrition Nutrients; Carbohydrates Proteins; Fats Vitamins; Minerals Water; Nutrient Density Calories and You</p> <p>The MyPlate Diagram—A Basic Plan for Good Health Comparing Foods Vegetables Fruits Grains: Breads, Cereals, Rice, and Pasta Protein Foods: Meats and More Dairy: Milk, Yogurt, and Cheese Fats, Oils, and Sweets</p> <p>Appendixes Vitamins Minerals Nutritive Values of Selected North American Foods</p>	<p>LightUnit 3 Food Shopping and Kitchen Organization</p> <p>Shopping for Food Who Gets Your Food Dollars? Be Aware of Hidden Costs Stretching Your Food Dollars Plan Ahead</p> <p>More About Shopping for Food Be a Savvy Shopper Types of Food Stores Make a Shopping Plan</p> <p>Efficient Kitchen Organization Organizing the Kitchen Preparing, Serving, Cleaning</p>	<p>LightUnit 4 Meal Planning, Preparation, and Presentation</p> <p>Planning Menus A Balanced Menu Planning Menus Plan a Menu for Your Family</p> <p>Meal Organization and Preparation Organizing a Meal Plan Cooking Time Breakfast for a Good Start Lunch for Mid-Day Boost Dinner for a Satisfying Ending; Preparing a Company Dinner Food for Guests</p> <p>Meal Presentation Preparing the Table Meal Manners</p>	<p>LightUnit 5 Getting Ready to Sew</p> <p>Textiles Natural Fibers Synthetic Fibers; Yarns; Choosing Fabrics How Fabric Is Produced Fabric Finishes A Trip to a Fabric Store</p> <p>Sewing Tools Essential Small Tools for Sewing Other Convenient Small Tools Sewing Notions</p> <p>Learning to Use the Sewing Machine The Basic Sewing Machine Sewing With the Machine Small Comforter Project</p>
<p>LightUnit 6 Sewing for the Home</p> <p>Developing Your Sewing Skills Hand Needles Hand-Sewing Stitches Grading Seams; Clipping and Notching Curves Seam Corners; Pressing Skills</p> <p>More About the Sewing Machine Machine Maintenance, Accessories, and Needles Common Machine Stitches; The Serger</p> <p>Using Your Sewing Skills Constructing a Quillow Constructing Patchwork Pillows Sewing Simple Curtains</p>	<p>LightUnit 7 Sewing for Yourself</p> <p>More Sewing Skills Collars Sleeves Zippers Pockets; Seam Finishes Buttonholes and Buttons</p> <p>Understanding Patterns Identify Your Figure Type Shopping for a Pattern Using the Pattern Sewing Projects</p> <p>Using Your Sewing Skills Sewing Projects Body Measurement Chart</p>	<p>LightUnit 8 Godly Homekeeping</p> <p>The Purposes of the Godly Home A Place of Accommodation and Hospitality A Place of Service and Witness</p> <p>The Arrangement of the Godly Home Color Sets the Tone Patterns and Textures Coordinating Room Design Furniture Arrangement</p> <p>Keeping the Godly Home in Order The Clutter Monster Daily Cleaning Weekly Cleaning The \$10,000 Plan</p>	<p>LightUnit 9 Child Growth and Development</p> <p>Introduction to Child Development Basic Needs of All Children Infants and Toddlers—Birth to 2 Years The Preschool Years—Ages 2-5 Physical and Mental Growth Social, Emotional, and Spiritual Characteristics The Junior Years—Ages 9-11 Physical and Mental Characteristics Social, Emotional, and Spiritual Characteristics</p>	<p>LightUnit 10 Growing Into Godly Womanhood</p> <p>Increasing in Wisdom—Growing Mentally Godly Wisdom Your Background and Personality More About You</p> <p>Increasing in Stature—Growing Physically God’s Plan for Your Body You and Your Body Godly Beauty</p> <p>Increasing in Favor With God—Growing Spiritually Your Relationship With God Your Devotional Life With God Attributes of a Godly Woman</p> <p>Increasing in Favor With Man—Growing Socially Friends and Friendships Modest Behavior; Singlehood Christian Courtship</p>

ECONOMICS II

LightUnit 1 Baking Breads	LightUnit 2 Baking Pies and Cakes	LightUnit 3 Gardening and Food Preservation	LightUnit 4 ABC's of Money Management	
Getting Ready to Bake Evaluating Equipment Flour Sweeteners, Fats, and Leavening Agents Flavorings; Storage Quick Breads Bread; Quick Bread Muffins Biscuits Quick Loaf Breads Yeast Breads Yeast Breads Making Yeast Bread	Fruit Pies The Piecrust Making Piecrusts Making a Fruit Pie Cream Pies; Toppings Baking a Cream Pie Pie Toppings One-Crust Pie Cakes, the Pretty Dessert Basic Information for Delightful Cakes Butter Cakes and Loaf Cakes Baking an Angel Food Cake Basic Cake Frostings; Storing Baked Goods	Planning Evaluate Your Climate Evaluate Your Soil Evaluate Your Space and Choose What to Plant Get Ready to Plant From Planting to Harvesting Preparing the Soil and Planting Fighting Weeds Diseases and Pests Harvesting Preserving the Harvest Dehydration and Natural Cold Storage Canning Fruits and Vegetables Canning Fruits and Vegetables, cont'd Freezing Fruits and Vegetables	A All Belongs to God Appearance and Attitude Adept at Homemaking Attainable Habits B Budget Build Healthy Friendships Balance Buying Habits C Captured by Debt? Credit Cards Covetousness Contentment	

HORTICULTURE TODAY

Horticulture Today 2nd Edition ©2023 (Grade 9 or above). This course introduces the student to all aspects of horticulture, including how plants are named, parts of plants, plant reproduction, what is required for good growth, various methods of plant propagation, greenhouse management and crops, container-grown plants; using plants in the landscape, pest control, lawn and turf management, the vegetable garden, and the small fruit garden. (One credit)

<p>LightUnit 1</p> <p>The Horticulture Industry and Worker and Tool Safety</p> <p>The Horticulture Industry What is Plant Science? Edible and Ornamental Horticulture, Organic and Sustainable Production, Eating Local, The Green Industry</p> <p>Worker and Tool Safety Early American Labor, Safety and Health Agencies, Safety Hazards, Preventing Accidents, Practicing Safety, Maintaining Tools and Equipment, Labor Laws Workplace Safety Documents</p>	<p>LightUnit 2</p> <p>Plant Taxonomy, Biology, and Growth and Development</p> <p>Plant Taxonomy A History of Plant Taxonomy, A System of Botanical Classification, Plant Keys, Herbaria</p> <p>Plant Biology Study of Botany, Plant Cells, Plant Tissues, Plant Parts and Their Functions</p> <p>Plant Growth and Development Photosynthesis, Respiration, Transpiration, Movement of Solutes, Reproduction, Plant Breeding Principles</p>	<p>LightUnit 3</p> <p>Conditions for Growth, Soils and Media</p> <p>Environmental Conditions for Growth Light, Optimizing Light Quality, Temperature, Managing Temperatures, Water</p> <p>Soils and Media What Is Soil? Soil Formation, Physical Properties of Soil, Biological Properties of Soil, Chemical Properties of Soil, Soilless Media, Mulch, Containers</p>	<p>LightUnit 4</p> <p>Plant Nutrition and Propagation</p> <p>Plant Nutrition Essential Elements, Mineral Nutrient Uptake, Nutrient Sources, Fertilizer Calculations, Methods of Fertilizer Application</p> <p>Seed Propagation Seed Morphology and Development, Seed Germination, Seed Dormancy, Seed Propagation Techniques, Seed Selection, Seed Production</p> <p>Stem and Leaf Propagation Biological Principles of Leaf and Stem Propagation, Plant Material Used for Stem and Leaf Cuttings, Hardening Off, Rooting Medium, Plant Growth Regulators</p>	<p>LightUnit 5</p> <p>Layering and Division, Grafting and Budding, and Tissue Culture</p> <p>Layering and Division Layering in Propagation, Layering Techniques, Natural Layering, Crown Division, Division and Separation of Geophytes</p> <p>Grafting and Budding Benefits of Grafting, Successful Grafting, Timing Grafting, Selecting Scion Wood, Types of Grafts, Budding</p> <p>Tissue Culture: Micropropagation History, Advantages and Disadvantages, Environmental Requirements, Growth Media, Stages of Micropropagation, The Future of Tissue Culture and Micropropagation</p>
<p>LightUnit 6</p> <p>Greenhouses and Alternative Growing Methods</p> <p>Greenhouse Operation and Maintenance Greenhouse Planning, Greenhouse Structures, Greenhouse Components, Maintaining Structures and Equipment</p> <p>Greenhouse Production Environmental Requirements, Crop Inputs, Plant Materials, Greenhouse Crops</p> <p>Alternative Growing Methods Hydroponics, Aquaponics, Vertical Gardening, Rooftop Gardening</p>	<p>LightUnit 7</p> <p>Nursery, Vegetable, Fruit, and Nut Production</p> <p>Nursery Production Market Niche, Production Methods, Sustainable Nursery Production</p> <p>Vegetable Production Vegetables for Health, Vegetable Markets in the United States, Environmental Factors, Production Methods, Postharvest Handling and Storage</p> <p>Fruit and Nut Production Fruits for Health, Fruit Markets in the United States, Small Fruits, Tree Fruits and Nuts, Vine Fruits</p>	<p>LightUnit 8</p> <p>Landscaping and Turfgrass</p> <p>Landscape Design The Design Process, Elements and Principles of Landscape Design, Tools of Landscape Design, Xeriscaping Design, Water Garden Landscape Design</p> <p>Landscape Installation and Maintenance Landscape Design Plans, Site Preparation, Hardscape Installation, Planting the Design, Landscape Maintenance, Landscaping Business</p> <p>Turfgrass Management Turfgrass Industry, Turfgrass Morphology and Types, Lawn Establishment, Turf Maintenance, Turf Renovation</p>	<p>LightUnit 9</p> <p>Integrated Pest Management and Insects</p> <p>Integrated Pest Management Creating an IPM, Pests, Control Measures, Inspection and Monitoring, Action Thresholds</p> <p>Insects Anatomy, Growth and Development, Chemical Signals, Taxonomy, Agricultural Pests and Beneficials, Collecting Insects</p>	<p>LightUnit 10</p> <p>Diseases, Weeds, and Pesticide Management</p> <p>Disease Management Disease Development, Organisms That Cause Disease, Types of Disease, Disease Cycle, Signs and Symptoms of Disease, Managing Plant Diseases, Disease Index</p> <p>Weeds Definition of a Weed, Weed Characteristics, Weed Biology, Weed Identification, Weed Management</p> <p>Pesticide Management and Safety Types of Pesticides, Pesticide Formulations, Pesticide Labels, Pesticide Application, Toxicity, Storage and Disposal</p>

KEYBOARDING & INFORMATION PROCESSING

Keyboarding & Information Processing 6th Edition ©2000 (Grade 9 or above). This course enables a student to acquire the skills necessary for both personal and business typing. It covers techniques for keyboard operation, arranging copy, manuscripts, personal and business letters, outlines, and reports. Computer-related skills are included. Students are encouraged to spend as much time as their schedules allow for practice in order to master typing. (One credit)

<p>LightUnit 1 Learn Letter-Key Operation</p>	<p>LightUnit 2 Master Keyboarding Skill Learn Figure-Key Operation</p>	<p>LightUnit 3 Learn Symbol-Key Operation Learn Numeric Keypad Horizontal Centering Format Lists, Announcements, and Memos</p>	<p>LightUnit 4 Format Memos and Block Letters Improving Keyboarding Skill Format Unbound Report</p>	<p>LightUnit 5 Format Simple Tables Keyboarding Simulation</p>
<p>LightUnit 6 Improving Keyboarding Skill Improving Letter/Memo Formatting Format Report with References</p>	<p>LightUnit 7 Improving Keyboarding Skill Improving Table Formatting Keyboarding Simulation</p>	<p>LightUnit 8 Enhance Letter/Memo Formatting Enhance Report Formatting Enhance Table Formatting</p>	<p>LightUnit 9 Processing Business Forms Processing Employment Forms</p>	<p>LightUnit 10 Keyboarding Simulation Final Assessment of Letter, Report, and Table Formatting</p>

MODERN RESIDENTIAL WIRING

Modern Residential Wiring 13th Edition ©2024 (Grade 10 or above). This course provides the basic information needed for installing electrical wiring in homes or in light industrial applications. It introduces electrical energy fundamentals, circuit theory and components, electricians' tools, grounding essentials, types and components of wiring systems, device wiring, reading prints, electrical remodeling, and more. It is based on the 2023 National Electric Code, which is recommended but not required for the course. (One credit) Students may earn an additional elective credit by working with an electrician in conjunction with the course.

<p>LightUnit 1</p> <p>Electrical Careers Career Categories Applying for a Position Succeeding in the Workplace Owning a Business Training and Career Development</p> <p>Safety Workplace Injuries Working Safely Responding to an Accident Hazardous Environments</p>	<p>LightUnit 2</p> <p>Hand and Power Tools Measuring Tools Wire Tools Conduit Striking Drilling Miscellaneous Care and Repair of Tools</p> <p>Electrical Measurement and Testing Equipment Standard Testing and Measuring Equipment Specialty Testers and Meters Measuring and Testing Safe Practices</p> <p>Print Reading, Specifications, and Codes Prints Understanding Electrical Prints Specifications Electrical Codes and Safety Agencies</p>	<p>LightUnit 3</p> <p>Math Review Electrical Energy Fundamentals Electron Theory Measuring Electricity Circuits Circuit Fundamentals Electromagnetic Induction Electrical System Overview</p>	<p>LightUnit 4</p> <p>Branch-Circuit, Feeder, and Service Design Understanding Load Types Branch-Circuit Design Feeder and Service Loads Determining the Number of Branch Circuits Balancing Circuit Loads</p> <p>Conductors Wire vs. Cable Wire Materials Conductor Size Conductor Identification</p> <p>Cable Systems Flexible Metal Cable Nonmetallic Cable</p>	<p>LightUnit 5</p> <p>Raceway Systems Electrical Metallic Tubing Electrical Nonmetallic Tubing Rigid Metal Conduit Intermediate Metal Conduit Rigid PVC Conduit Flexible Metal Conduit Liquidtight Flexible Metal Conduit Surface-Mount Raceways</p> <p>Boxes, Fittings, and Covers Boxes Fittings Fill Allotment Covers</p> <p>Device Wiring Wiring Methods and Materials Preparation of Conductors Wiring Switches and Receptacles Wiring Circuits</p>
<p>LightUnit 6</p> <p>Lighting Systems Lighting Terminology Types of Lighting Types of Lighting Fixtures Types of Lamps Controlling Fixtures Installing Fixtures Wiring Lighting Circuits</p> <p>Appliance Wiring and Special Outlets Appliance Wiring Kitchen Appliances Room Air Conditioner Units Miscellaneous Appliance Circuits Water Heaters Heaters</p>	<p>LightUnit 7</p> <p>Overcurrent Protection Causes of Overcurrent Protective Devices GFCI and AFCI Protection</p> <p>Grounding Grounding Basics How the System Ground Works Equipment Grounding</p> <p>Service Equipment Service Components Service Disconnects Service Grounding Service Clearances Service Completion Transformers Phases</p>	<p>LightUnit 8</p> <p>Farm Wiring Power Distribution Cable or Conduit Locating Lights Computing Farm Power Requirements</p> <p>Mobile Home Wiring Distribution Panelboard Feeder Assembly Mobile Home Service Equipment Calculating Panelboard Load Mobile Home Parks</p> <p>Swimming Pool Wiring Bonding Grounding Receptacles Switches Lighting Miscellaneous Equipment Overhead Conductor Clearance</p>	<p>LightUnit 9</p> <p>Telephone and Computer Network Wiring Systems Overview Installation Other Systems</p> <p>Motors Types of Motors Motor Nameplate Proper Size of Motor Feeder Conductors Protection of Motor Feeder Conductors General Layout Controller Requirements Hermetic Motors Causes of Motor Failure Mounting Service and Repair of Motors</p>	<p>LightUnit 10</p> <p>Emergency and Standby Systems Safety Emergency and Standby Systems Generator Size Portable Generators Permanent Generators Uninterruptible Power Supplies</p> <p>Electrical Remodeling Basic Considerations Safety Special Tools Building Construction Installing Cable Box Installation Modernizing a Building's Service Surface Raceways and Multioutlet Assemblies</p> <p>Maintenance and Troubleshooting Safety Considerations Troubleshooting Tools Diagnosing Problems</p>

MUSIC

Music—High school students may earn one-half credit in music upon completion of Music books 5-8 and the *Music in Biblical Perspective* study unit.

Book Five	Book Six	Book Seven	Book Eight	Music in Biblical Perspective
<p>Note Names, Shapes, and Numbers</p> <p>The G Clef and the Degrees of the G Staff</p> <p>Note Names of the Chromatic Scale Ascending and Descending</p> <p>Key Signatures</p> <p>The F Clef and the Degrees of the F Staff</p> <p>Double Flat, Double Sharp, and Natural</p> <p>Time Value of Notes and Rests</p> <p>Simple Time Signatures</p> <p>Four-, Three-, and Two-Point Patterns for Beating Time</p>	<p>Degrees of the Grand Staff</p> <p>Key Signatures</p> <p>Note Names, Shapes, and Numbers</p> <p>Sharps, Flats, and Naturals</p> <p>Round Notes</p> <p>Time Value of Notes and Rests</p> <p>Simple and Compound Time Signatures and the Patterns for Beating Time</p> <p>Measures, Measure Bars, and Breather Bars</p> <p>Rit., Fermata (hold), Dynamic Signs</p> <p>Slur, Tie, and Beam</p>	<p>Note Names, Numbers, and Shapes</p> <p>Diatonic Major Scale: Half Steps and Tetrachords</p> <p>Chromatic Scale</p> <p>Sharp, Flat, Natural, Double Sharp, Double Flat</p> <p>Minor Scale (harmonic)</p> <p>Intervals (general)</p> <p>G Clef, F Clef, Grand Staff, and Letters of the Degrees</p> <p>Key Signatures</p> <p>Time Value of Notes and Rests</p> <p>Time Signatures</p> <p>Triplet</p> <p>Rit., Fermata, Terms Relating to Dynamics</p>	<p>Note Names, Numbers, and Shapes</p> <p>Clefs and Degrees of the Grand Staff</p> <p>Key Signatures and Accidentals</p> <p>Time Signatures</p> <p>Time Value of Notes and Rests</p> <p>Diatonic Major and Minor Scales, Chromatic Scale</p> <p>Simple Directive Signs: D.S., D.C., Repeat, FINE, Fermata, and CODA</p> <p>Basic Terms Affecting Tempo, Volume, and Style</p> <p>Harmonic Intervals and Triads (general names)</p> <p>Four Chords: I Chord, IV Chord, V Chord, and V7 Chord</p>	<p>Music—An Expression of Man</p> <p>Music—A Moral Issue</p> <p>Testing Music by the Character of God</p> <p>What About the Music Itself?</p> <p>Testing Music by its Appeal</p> <p>Musical Instruments and the New Testament</p> <p>Music and Entertainment</p> <p>We Have a Song—Let's Sing</p> <p>Hymn Appreciation</p> <p>Characteristics of Good Music</p> <p>Characteristics of Excellent Lyrics</p> <p>Histories of Songs</p>

PILGRIM'S PROGRESS

Pilgrim's Progress (Grade 9 or above). Part 1: Christian – LightUnits 1-3; Part 2: Christiana – LightUnits 4, 5. John Bunyan's allegory of the Christian life, written from a prison cell, is one of the greatest masterpieces of literature. Making his way to the Celestial City, the pilgrim Christian traverses the hill Difficulty, the Valley of the Shadow of Death, and Vanity Fair; and encounters characters such as Hopeful, Mr. Worldly Wiseman, Mercy, and the Giant Despair. (One-half credit)

LightUnit 1	LightUnit 2	LightUnit 3	LightUnit 4	LightUnit 5
The Den and the Dreamer The Slough of Despond Mr. Worldly Wiseman The Wicket Gate The Interpreter's House The Cross and the Contrast The Hill Difficulty The Palace Beautiful	Apollyon The Valley of the Shadow Christian and Faithful Talkative Vanity Fair Christian and Hopeful Doubting Castle and Giant Despair	The Delectable Mountains The Enchanted Ground Ignorance The Land of Beulah At Home	The Nightmare and the King's Messenger The Neighbors and the Slough The Wicket Gate The Interpreter's House Great Heart and the Hill of Difficulty Into the Palace Beautiful More at Palace Beautiful The Valley of Humiliation and the Valley of the Shadow	Old Mr. Honest The House of Gaius Vanity Fair Again The Death of Giant Despair The Delectable Mountains Valiant-for-Truth Enchanted Ground The Land of Beulah

PRACTICAL MATH

Practical Math 4th Edition ©2015 (Grade 9 or above). This course provides a comprehensive survey of all basic, pre-algebra math topics. Most of the word problems use realistic situations the student may encounter. The clear explanations and sample problems make this a good choice for the student who feels weak in some math skills or who wants a thorough review before taking a higher math course. (One credit)

<p>LightUnit 1</p> <p>Working with Whole Numbers Understanding Whole Numbers Adding Whole Numbers Subtracting Whole Numbers Dividing Whole Numbers</p>	<p>LightUnit 2</p> <p>Working with Simple Fractions Understanding Fractions Understanding Factors Finding Equivalent Fractions</p>	<p>LightUnit 3</p> <p>Working with Complex Fractions Adding Fractions Subtracting Fractions Multiplying Fractions Dividing Fractions</p>	<p>LightUnit 4</p> <p>Working with Decimals Understanding Decimals Adding and Subtracting Decimals Multiplying Decimals Dividing Decimals Changing Fractions to Decimals Changing Decimals to Fractions</p>	<p>LightUnit 5</p> <p>Working with Percentages Understanding Percentages Solving Percentage Problems Calculating Costs</p>
<p>LightUnit 6</p> <p>Working with Measurements Understanding Units of Measure Converting Units of Measure Adding and Subtracting Units of Measure Multiplying and Dividing Units of Measure</p>	<p>LightUnit 7</p> <p>Working with Exponents Understanding Exponents Understanding Square Roots</p>	<p>LightUnit 8</p> <p>Working with Ratios and Proportions Using Ratios Using Proportions</p>	<p>LightUnit 9</p> <p>Working with Plane and Solid Figures Understanding Plane Figures Understanding Solid Figures</p>	<p>LightUnit 10</p> <p>Working with Graphs Using Line Graphs Using Bar Graphs Using Pie Graphs</p>

PRINT READING FOR CONSTRUCTION

Print Reading for Construction 6th Edition ©2013 (Grade 10 or above) Teaches basic and advanced concepts needed to interpret construction prints. The textbook is consumable and comes with a large print folder containing 140 foldout prints (17 in x 22 in) for both residential and commercial construction. Provides a hands-on experience that will benefit students considering a career in construction. (One credit)

<p>LightUnit 1</p> <p>Construction Drawing Organization</p> <p>Construction Math and Applications</p>	<p>LightUnit 2</p> <p>Reading Measuring Tools and Using Scales</p> <p>Lines and Symbols</p>	<p>LightUnit 3</p> <p>Fundamental Drawing Practices</p>	<p>LightUnit 4</p> <p>Specifications and Building Codes</p> <p>Construction Materials—Types and Uses</p>	<p>LightUnit 5</p> <p>Learning to Use the Print Overlay</p> <p>Site Plans</p> <p>Architectural Drawings</p>
<p>LightUnit 6</p> <p>Foundation Prints</p> <p>Structural Prints</p>	<p>LightUnit 7</p> <p>Residential Framing Prints</p> <p>Plumbing Prints</p> <p>HVAC Prints</p>	<p>LightUnit 8</p> <p>Electrical Prints</p> <p>Welding Prints</p>	<p>LightUnit 9</p> <p>Estimating Construction Costs</p> <p>Advanced Project A</p>	<p>LightUnit 10</p> <p>Advanced Project B</p> <p>Advanced Project D</p>

RECORDKEEPING FOR CHRISTIAN STEWARDSHIP

Recordkeeping for Christian Stewardship (Grade 9 or above) Personal recordkeeping covers topics such as personal banking, budgeting, understanding credit, and taxes. Business recordkeeping includes topics such as cash receipts and records as well as inventory, invoicing and payroll. Business accounting teaches double entry accounting, and the use of ledgers, journals, and financial statements. Each section ends with a project that reviews the concepts taught. The examples given are in an Anabaptist context. (One credit)

<p>LightUnit 1</p> <p>Part 1: Personal Recordkeeping for Christian Stewardship</p> <p>Recording, Filing, and Organizing Information</p> <p>Using Forms</p> <p>Maintaining Accurate Records</p> <p>Alphabetic Filing of Records</p> <p>Numeric and Subject Filing of Records</p> <p>Keeping Personal Records</p> <p>Working With Bank Accounts</p> <p>Basic Banking Services: Checking Accounts</p> <p>Writing and Recording Checks</p> <p>Reconciling a Checking Account</p> <p>Savings Accounts</p> <p>Budgeting Income and Expenses</p> <p>Planning a Budget</p> <p>Recording Income and Expenses</p> <p>Analyzing Income and Expenses</p>	<p>LightUnit 2</p> <p>Using Credit</p> <p>Understanding Credit</p> <p>Using Charge Accounts and Credit Cards</p> <p>Borrowing Money</p> <p>Paying Taxes</p> <p>Sales and Property Taxes</p> <p>Social Security Taxes</p> <p>Income Taxes</p>	<p>LightUnit 3</p> <p>Part 2: Business Recordkeeping for Christian Stewardship</p> <p>Cash Receipts</p> <p>Preparing Sales Receipts and Payment Receipts</p> <p>Receiving Payments</p> <p>Making Cash or Credit Refunds</p> <p>Using a Cash Register</p> <p>Cash Records for Small Businesses</p> <p>Maintaining a Classified Cash Record</p> <p>Preparing a Business Budget</p> <p>Keeping Petty Cash Records</p>	<p>LightUnit 4</p> <p>Business Banking</p> <p>Making Deposits</p> <p>Using a Business Checkbook</p> <p>Reconciling a Business Checkbook</p> <p>Farm Records</p> <p>Farm Income Records</p> <p>Farm Expense Records</p> <p>Annual Farm Records</p>	<p>LightUnit 5</p> <p>Charge Sales and Accounts Receivable</p> <p>Charge Sales and Accounts Receivable</p> <p>Posting Charge Sales, Payments, and Credit Memos</p> <p>Preparing Statements of Account</p> <p>Inventory</p> <p>Keeping a Perpetual Inventory</p> <p>Ordering and Receiving Merchandise</p> <p>Periodic Inventory and Valuation</p>
<p>LightUnit 6</p> <p>Purchase Invoices and Accounts Payable</p> <p>Purchase Invoices</p> <p>Discounts and Due Dates</p> <p>Accounts Payable Records</p> <p>Payroll</p> <p>Computing Gross Earnings From Timecards</p> <p>Computing Gross Earnings: Salaries, Commissions, and Piecework</p> <p>Computing Net Pay</p> <p>Preparing the Payroll</p>	<p>LightUnit 7</p> <p>Part 3: Business Accounting for Christian Stewardship</p> <p>Basic Accounting Records</p> <p>Introduction to Accounting</p> <p>The Balance Sheet</p> <p>The General Journal and the Opening Entry</p> <p>General Ledger Accounts</p> <p>Accounting Transactions</p> <p>Analyzing Transactions</p> <p>Recording Transactions</p> <p>Posting Transactions</p>	<p>LightUnit 8</p> <p>Multi-Column Journals for Service Businesses</p> <p>Journalizing in a Multi-column Journal</p> <p>Proving a Multi-column Journal</p> <p>Posting From a Multi-column Journal</p> <p>The Trial Balance and Worksheet</p> <p>The Trial Balance</p> <p>The Worksheet</p> <p>Financial Statements for a Service Business</p> <p>The Income Statement</p> <p>The Capital Statement</p> <p>The Balance Sheet</p>	<p>LightUnit 9</p> <p>Purchases Journal and Cash Payments Journal</p> <p>The Purchases Journal</p> <p>Purchase Returns and Allowances</p> <p>The Cash Payments Journal</p> <p>Sales Journal and Cash Receipts Journal</p> <p>The Sales Journal</p> <p>Sales Returns and Allowances</p> <p>The Cash Receipts Journal</p>	<p>LightUnit 10</p> <p>Subsidiary Ledgers and Special Journals</p> <p>Accounts Payable and a Purchases Journal</p> <p>Accounts Payable and a Multi-Column Cash Payments Journal</p> <p>Accounts Receivable and a Sales Journal</p> <p>Accounts Receivable and a Multi-column Cash Receipts Journal</p> <p>Financial Statements for a Merchandising Business</p> <p>The Trial Balance and Worksheet</p> <p>The Income Statement</p> <p>The Capital Statement and Balance Sheet</p>

SMALL ENGINE AND EQUIPMENT MAINTENANCE

Small Engine and Equipment Maintenance ©2012 (Grade 9 or above). Teaches the maintenance practices required to maintain residential and commercial power equipment. The course is designed to support entry-level school programs and operators of small engines. It covers tools and safety, history of small engines, small engine fundamentals, and more. Hands-on activities include repair projects at three levels of difficulty. (One-half credit)

LightUnit 1	LightUnit 2	LightUnit 3	LightUnit 4	LightUnit 5
<p>Tools and Safety Tools Safety</p> <p>History of Small Engines and Related Applications History of Outdoor Power Equipment</p> <p>Outdoor Power Equipment Applications</p>	<p>Small Engine Fundamentals Four-Stroke Cycle Theory Small Engine Systems</p>	<p>Outdoor Power Equipment Devices Mechanical Drive Systems Mechanical Switches Implements and Attachments OPE Maintenance Storage</p> <p>Basic Small Engine Maintenance and Repair Projects Changing Engine Oil Removing Debris from Engines Servicing Ignition Systems Servicing Air Cleaners Inspecting and Replacing Mufflers Replacing Mower-Deck Drive Belts Replacing Snow Thrower Shear Pins Replacing Snow Thrower Skid Shoes Engine Troubleshooting and General Maintenance Preparing Equipment for Long-Term Shortage</p>	<p>Intermediate Small Engine Maintenance and Repair Projects Overhauling Carburetors Replacing Flywheels and Flywheel Keys Servicing Flywheel Brakes Servicing Fuel Systems Servicing Governor Systems Servicing Rewind Starters</p>	<p>Advanced Small Engine Maintenance and Repair Projects Replacing Drive Discs Removing Carbon Deposits Servicing Electrical Systems Replacing Ignition Systems Servicing Valves</p>

SMALL GAS ENGINES

Small Gas Engines 12th edition ©2023 (Grade 10 or above) Provides useful information about small gas engines and their applications. Contains material on the construction, operation, lubrication, maintenance, troubleshooting, repairing and rebuilding both two- and four-stroke engines. Applications include lawn mowers, tillers, chainsaws, trimmers, and more. Gives advice on job opportunities and certification. (One credit)

<p>LightUnit 1</p> <p>Safety in the Small Gas Engine Shop</p> <ul style="list-style-type: none"> Shop Safety Be Prepared for Emergencies Hazardous Wastes OSHA <p>Tools and Measuring Instruments</p> <ul style="list-style-type: none"> Hand Tools Vises Engine Tools Power Tools Cleaning Tools and Equipment Measuring Instruments 	<p>LightUnit 2</p> <p>Fasteners, Sealants, and Gaskets</p> <ul style="list-style-type: none"> Threaded Fasteners Internal Thread Repair Washers Pins Retaining Rings Keys Adhesives and Sealants Gaskets <p>Fundamentals of Electricity, Magnetism, and Electronics</p> <ul style="list-style-type: none"> Types of Electrical Circuits Magnetism Electrical Components Electrical Wire and Connectors Electronics Electrical Test Equipment 	<p>LightUnit 3</p> <p>Principles of Engine Operation</p> <ul style="list-style-type: none"> Constructing an Elementary Engine Simple Engine in Operation Four-Stroke-Engine Two-Stroke-Engine Four-Stroke-Engine vs. Two-Stroke-Engine <p>Engine Components</p> <ul style="list-style-type: none"> Engine Block Crankshaft Pistons and Rings Connecting Rods and Bearings Intake and Exhaust Ports Camshafts and Gears Valve Lifter or Tappet Valve Train Configurations Starter Assembly Flywheel <p>Measuring Engine Performance</p> <ul style="list-style-type: none"> Basic Terminology Science of Engine Performance Measurements of Performance 	<p>LightUnit 4</p> <p>Fuel Supply, Air Induction, and Emissions</p> <ul style="list-style-type: none"> Engine Fuels Fuel Systems Air Induction Systems Crankcase Breathers Mufflers Emissions <p>Carburetion and Fuel Injection</p> <ul style="list-style-type: none"> Principles of Carburetion Types of Carburetors Primers Anti-Afterfire Solenoids Manual Throttle Controls Governor Throttle Controls Fuel Injection (EFI) EFI System Components 	<p>LightUnit 5</p> <p>Ignition Systems</p> <ul style="list-style-type: none"> Basic Ignition System Operation Ignition System Components Magneto Ignition systems Battery Ignition Systems <p>Lubrication Systems</p> <ul style="list-style-type: none"> Principles of Lubrication Oil Specifications Selecting the Proper Engine Oil Engine Lubrication systems <p>Cooling Systems</p> <ul style="list-style-type: none"> Principle of Engine Cooling Air Cooling Liquid Cooling
<p>LightUnit 6</p> <p>Preventative Maintenance and Troubleshooting</p> <ul style="list-style-type: none"> Preventative Maintenance Systematic Troubleshooting Service Information <p>Fuel System Service</p> <ul style="list-style-type: none"> Troubleshooting the Fuel System Carburetor Adjustments Carburetor Overhaul Engine Governor Service Fuel Injection Diagnosis 	<p>LightUnit 7</p> <p>Ignition and Electrical System Service</p> <ul style="list-style-type: none"> Ignition System Service Electrical System Service <p>Engine Disassembly and Inspection</p> <ul style="list-style-type: none"> Engine Inspection Engine disassembly 	<p>LightUnit 8</p> <p>Cylinder, Crankshaft, and Piston Service</p> <ul style="list-style-type: none"> Cylinder Reconditioning Crankshaft and main Bearing Service Piston Assembly Service <p>Camshaft and Valve Train Service</p> <ul style="list-style-type: none"> Camshaft Service Valve Service <p>Engine Reassembly and Break-In</p> <ul style="list-style-type: none"> Reinstalling Internal Engine Components Reinstalling External Engine Components Engine Break-In 	<p>LightUnit 9</p> <p>Lawn and Brush Equipment</p> <ul style="list-style-type: none"> Working Safely Lawn Mowers Chain Saws String Trimmers and Brushcutters Edger/Trimmers <p>Lawn and Garden Tractors</p> <ul style="list-style-type: none"> Tractor Safety Tractor Uses Engine Components Chassis and Steering Transmissions Electrical Safety Systems Circuits for Study General Maintenance 	<p>LightUnit 10</p> <p>Snow Throwers</p> <ul style="list-style-type: none"> Operating Safely Machine Types and Features Snow Thrower Operation General Maintenance Off-Season Storage <p>Personal Watercraft</p> <ul style="list-style-type: none"> PWC Main Components and Parts PWC Engines General Maintenance PWC Storage Transporting PWC <p>Career Opportunities and Certification</p> <ul style="list-style-type: none"> Considering Career Options Sources of Career Information Applying for a Position Succeeding in the Workplace Certification

SPANISH A

Spanish A ©2008 (Grade 7 or above). Teaches the basic rules of verb conjugation (infinitive, present, past, future tenses, and participles), word order, grammatical rules, pronouns (subject, direct, and indirect object) and some common words so that students can begin to form sentences and express themselves in Spanish. The emphasis is on learning how the language works, not on merely memorizing words and phrases. (One-half credit)

LightUnit 1	LightUnit 2	LightUnit 3	LightUnit 4	LightUnit 5
Verbs, Nouns, Present Tense Verb Endings Present Tense <i>hablar</i> Forms Number, Person, Tense Present Tense -ar Verb Endings Number, Gender Gendered and Numbered endings for <i>muchacho</i> Definite and Indefinite Articles Verb Stem; -ar, -er, and -ir Verb Endings -ir Verb Endings Gender and Number Agreement in Articles and Nouns Present Tense <i>ser</i> forms Subject Pronouns, Respect, Gendered and Numbered Pronouns	Adjectives, Endings, and Agreement Possessive Adjectives Irregular Present Tense Verbs <i>ir, ser, ver, dar, and oír</i> Stem-Change Verbs Yo-Form Irregular Verbs; -go Verbs; c-to-zc Verbs	Uses of <i>ser</i> and <i>estar</i> Interrogative Statements Present Tense <i>tener</i> Forms Answering Questions, Negatively, and Positively o-to-ue Verb, <i>dormir</i> Phrases With <i>hacer</i> and <i>tener</i> Present Tense <i>hacer</i> Forms	Adverbs; ¿Dónde? and ¿Cuándo? and <i>muy</i> Present Tense Forms of <i>poder</i> Prepositions: Where, When, About, and <i>con</i> Direct Objects and Direct Object Pronouns; Personal a Indirect Objects and Indirect Object Pronouns Special Verbs: Use of <i>gustar, encantar, importar, enfadar, molestar</i> Uses of <i>de</i> Uses of <i>por</i> and <i>para</i> Present Tense Forms of <i>encender</i> Past Tense Verbs and Endings	Future Tense Verbs and Endings Near-Future and Near-Past Tenses Present Tense Forms of <i>acabar</i> Special Verbs: <i>saber</i> and <i>conocer, entender</i> and <i>comprender</i> Present Tense Forms of <i>conocer</i> Present Participle Verb Endings; Present-Progressive Tense

SPANISH B

Spanish B ©2011 (Grade 7 or above). Builds on Spanish A, adding to the students' Spanish vocabulary and teaching more verb conjugation (imperfect tense, past participles, reflexives, commands, irregular forms), telling time, making comparisons, using passive voice, and using possessive and demonstrative pronouns. The course includes dialogues and stories and translation exercises. (One-half credit)

LightUnit 1	LightUnit 2	LightUnit 3	LightUnit 4	LightUnit 5
Verbs and Their Endings Irregular Verbs Preterit Irregulars Word Jobs: Nouns, Articles, and Adjectives Adverbs and Prepositions Pronouns	Hay and Hay que Infinitives Telling Time Imperfect Tense Imperfect Irregulars Past Participles	Possessive Pronouns Demonstrative Adjectives Demonstrative Pronouns Making Comparisons Superlatives	Passive Voice with Se Reflexive Pronouns, Part I Reflexive Pronouns, Part II Review	Commands Commands and Pronouns Informal Commands Irregular Commands Vosotros and Nosotros Commands Review

TECHNICAL SKETCHING AND DRAWING

Technical Sketching and Drawing ©2008 (Grade 9 or above). Teaches both basic and advanced skills needed to communicate technical information. The course contains step-by-step drawing instructions and technical tips, enabling hands-on application of the concepts presented. Covers drawing fundamentals, instrument drawings and techniques, pictorial drawings, geometric constructions, dimensioning and tolerancing, prints, and more. (One-half credit)

LightUnit 1 Drawing Fundamentals Instrument Drawings and Techniques	LightUnit 2 Geometric Constructions	LightUnit 3 Pictorial Drawings Multiview, Auxiliary View, and Sectional Drawings	LightUnit 4 Dimensioning and Tolerancing	LightUnit 5 Prints Specialized Drawings

Christian Light Education High School Graduation Requirements

Academic Diploma		General Diploma		Vocational Diploma	
SUBJECTS	Course	Credits	Course	Credits	Credits
Bible	20 LUs 901 or above	2	20 LUs 801 or above	2	20 LUs 701 or above
Language Arts	English I, Literature I (<i>Perspectives of Life</i>), English II, Literature II (<i>Perspectives of Truth</i>)	4	40 or more LUs 801 or above, at least through English II Unit 10	4	40 or more LUs 501 or above, at least through 810
Math	Algebra I (900) & Geometry* (1000) & Student's choice of high school level Math *May substitute Math 1100	3	30 LUs of Math 800-1200, <i>Consumer Math</i> , or <i>Practical Math</i>	3	30 LUs 601 or above at least through 810
Science	General Science* (900) & Biology* (1000) & Student's choice of high school level Science *May substitute Apologia Physical Science or higher	3	General Science* (900) & Biology* (1000) & Student's choice of high school level Science *May substitute Apologia Physical Science or higher	3	30 LUs 601 or above at least through 810
Social Studies	Civics and World Geography (900), World History (1000), U.S. History (1100)	3	U.S. History (800) or (1100), Civics and World Geography (900), World History (1000)	3	30 LUs 601 or above at least through 810
Foreign Language	Required	1	Not Required		Not Required
Physical Education	Required (may do ½ credit each year)	1	Required (may do ½ credit each year)	1	Not Required
Electives	Student's Choice	5	Student's Choice	6	Student's Choice
TOTAL Credits Required		22		22	18

Social Studies Options for Canadian Customers	Canadian Social Studies (701-705) Canadian Social Studies (801-805) World History (1001-1010) Student's choice of Social Studies 900,1100, or 1200	3	Canadian Social Studies (701-705) Canadian Social Studies (801-805) World History (1001-1010) Student's choice of Social Studies 900,1100, or 1200	3	Canadian Social Studies (701-705) Canadian Social Studies (801-805) 20 LightUnits 601 or above	3
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(Note: Course availability is subject to change.)

Core Subjects:

Bible:

- Christ in the Old Testament — Bible 901-910
- New Testament Survey — Bible 901-910
- Bible 1101-1110 (Major themes: God, Christ, Israel, Bible, Christian Life)
- Bible 1201-1210 (Major themes: Godhead, Christian Service, Wisdom, Christian Life)

English:

- English I 1-10
- Literature I 1-10
- English II 1-10
- Literature II 1-10

Math:

- Algebra I 1-10
- Geometry — Math 1001-1010
- Algebra II — Math 1101-1110
- Functions and Trigonometry — Math 1201-1210

Electives: (Check the current *CLE Catalog* for list and descriptions of electives available.)

- Any CLE core course that is not a required subject for the diploma may be completed for elective credit.
- You may submit a copy of the student's Driver's Ed/Training certificate of completion or driver's license for 0.5 credit.

Science:

- General Science — Science 901-910 or *Apologia Physical Science*
- Biology 1-10
- Chemistry — Science 1101-1110 or *Apologia Chemistry*
- Physics — Science 1201-1210 or *Apologia Physics*

Social Studies:

- Civics and World Geography — Social Studies 901-910
- World History — Social Studies 1001-1010
- U.S. History — Social Studies 1101-1110
- Democracy and Christian Challenges — Social Studies 1201-1210

One credit = 10 LightUnits
One credit = 120 hours of classroom work or 240 hours of laboratory type activity.
A student receives high school credit when he enters his ninth year of school or when he begins working in 900 level material, whichever comes first.
Credit cannot be earned for LightUnits numbered 501-810 unless they are completed after the student enters ninth grade.
Credit and course requirements for graduation in your state/province may vary from those listed. Please check to ensure that adequate requirements are being met.