



Portals

Founders Course Descriptions

Contact Us

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Portals

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It's just so convenient to have everything put together and planned out!

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We have all grown in our faith and relationship with God through our daily Bible lessons.

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Scope & Sequence

This course catalog was developed to provide you with an overview of the coursework that your early elementary student will complete while participating in the Portals program. There are multiple courses in each disciplinary area. Bible, History, Literature, and English are all designed to work in concert with one another, reinforcing learning across subject areas. It is recommended that you take all of these courses together, as shown in the Scope & Sequence below. Math is based on individual placement upon entering the program, and should be selected according to developmental level. Science courses can be selected based on personal preferences or requirements determined by state regulation (if applicable)

As partners in your child's education, we encourage your input, questions, and feedback. Every aspect of Portals is designed to serve your needs, and make the organization of learning as easy as possible so you have time for the work and joy of teaching and discipleship.

May God bless you and your family abundantly!

Founders (Early Elementary)			
	School Year 2023, 2026, 2029	School Year 2024, 2027, 2030	School Year 2025, 2028, 2031
Bible	NT Survey	OT Histories	OT Worship
History & Civics	American History: Heroes	Ancient World History: Heroes and Peoples	Mid & Modern World History: Heroes and Peoples
Literature	Read Alouds	Read Alouds	Read Alouds
English	Pathway Readers - Before We Read	Pathway Readers - Days Go By	Pathway Readers - Busy Times & Climbing Higher
Science	Botany	Zoology	Chemistry and Physics
Math	Math U See - Primer	Math U See - Alpha	Math U See - Beta

Based on individual student placement when starting the Portals program

Course Description:

This two semester sequence is the first round through the New Testament, covering Matthew, Hebrews, Acts, Romans, Ephesians, 2 Thessalonians, 1 Timothy, and Revelation. Topics covered include Jesus's life, death and resurrection; expectations, exhortations and encouragements for life in Christ; and living fully for Jesus. Goals for Founders are simply to be introduced to the characters and practical ideas for life, character, and responsibility in the home. Projects include invitations to pray, opportunities to serve, strategies for study, and ideas for application. Bible readings are supplemented with digital resources that allow for further exploration.

Concepts Covered:

Matthew – Birth of Jesus, Ministry of Jesus, Crucifixion, Resurrection

Hebrews – The New Covenant of Jesus and connections to Jewish Law

Acts – The Church, Spiritual Gifting, Sharing Faith, and Conflict Resolution

Romans – Love, Sin, Grace, and Accountability

Ephesians – Redemption, New Life, Caring for Others, Unity, Life in Christ, Marriage, Family, Armor of God, Imitating Christ

2 Thessalonians – Thankfulness, Spiritual Challenges, How to Treat Others

1 Timothy – Doctrine, Prayer, Men and Women, Leadership, Discipline, Good Works, Service and Ministry

Revelation – Seven Churches, Heaven, Judgment, Tribulation, Eschatology

Example Assessments:

Gospel Sharing

Thankfulness
Project

Ministry Project

Texts:

- Beginner's Bible
- The Bible (any version)

Course Description:

This two semester sequence is the first round through the Old Testament, covering Genesis, Exodus, Numbers, Joshua, Judges, Ruth, 1 and 2 Samuel, 1 and 2 Kings, and Jonah. Topics covered include creation, sin, promises, covenants, slavery, rebellions, judges, kingdoms, prophets and deliverance. Students explore the origin of life and creation; the reason for evil in the world; God's faithfulness despite rebellion; the consequences of sin; and the promise of redemption. Goals for Founders are simply to be introduced to the characters and practical ideas for life, character, and responsibility in the home. Projects include invitations to pray, opportunities to serve, strategies for study, and ideas for application. Bible readings are supplemented with digital resources that allow for further exploration.

Concepts Covered:

Genesis – Creation, Fall, Flood, Languages, Covenants, Promises, Patriarchs, Joseph

Exodus – Slavery, Plagues, Red Sea Crossing, Wilderness, Sinai, Law

Numbers – Spies, Rebellions, Priests, Attacks, Balaam

Joshua – Rahab, Crossing the Jordan, Jericho, Conquest, Dividing the Land

Judges – Deborah, Gideon, Jotham, Jephthah, Samson, Crimes and Consequences

Ruth – Naomi, Boaz, Redemption

1 Samuel – Hannah, Calling, The Ark, King Saul, David, Feats, Hiding, Abigail, Fleeing

2 Samuel – King David, The Ark, Bathsheba, Heirs, Struggles for Power, Return

1 Kings – King Solomon, The Temple, Israel Divided, Good and Bad Kings, Elijah

2 Kings – Elisha, Assyria, King Hezekiah, King Josiah, Babylon, Captivity

Jonah – Disobedience, Swallowing, Praying, Evangelizing, Repenting

Example Assessments:

Memorize Days
of Creation

Acting Out a
Genesis Story

Ministry Project

Texts:

- The Beginner's Bible
- The Bible (any version)

Course Description:

This two semester sequence is the first round through the Old Testament, covering Leviticus, 1 & 2 Chronicles, Psalms, Daniel, Song of Songs, and Ezra. Topics covered include Law, Worship, history, poetry and song, prophetic voice, marriage and family, and calling towards work and professional life. Goals for Founders are simply to be introduced to the characters and practical ideas for life, character, and responsibility in the home. Projects include invitations to pray, opportunities to serve, strategies for study, and ideas for application. Bible readings are supplemented with digital resources that allow for further exploration.

Concepts Covered:

Leviticus – Mosaic Law and foundations of legal codes, worship and religious practice

1 & 2 Chronicles – History of Judah

Psalms – Poetry, Prophetic voice, well being, coping, and wellness

Daniel – Historical review of Babylonian era, prophetic voice, dreams, and integrity

Song of Songs – Biblical courtship, marriage, sex education, and poetry

Ezra – Taking on projects, calling, and working with others

Example Assessments:

Law Applied to
Home Life

Writing a Psalm

Ministry Project

Texts:

- The Bible (any version)

Course Description:

This two semester sequence is a literature-based approach to American History. Topics covered include indigenous and immigrant cultures, colonies, exploration, conflicts, major leaders, migrations, inventions, religious movements, and stories from primary documents. Students explore the founding of the United States, reasons people immigrate and migrate, the impact of hardworking individuals, the role of faith in God in American history and more. Suggested projects include painting landscapes, creating models, making homemade treats, building instruments, experimenting with old tools, visiting historical sites, listening to eye witness accounts and rediscovering past knowledge. This course uses a number of quality texts that provide a Christian perspective on historical events. Books are supplemented with digital resources that allow for further exploration. Grading is based on understanding as demonstrated in discussions, presentations, written pieces, and project artifacts.

Example Assessments:

Hero Profile #1

Hero Profile #2

Oral Exam

Texts:

- **Our Star-Spangled Story**
- **North American Indians**
- **Three Young Pilgrims**
- **Heroes and Happenings**
- **Your Life as a Settler in Colonial America**
- **George vs. George**
- **How We Crossed the West**
- **The Civil War on Sunday**
- **Mike Mulligan and More** - Early 20th century

Course Description:

This two semester sequence is a literature-based approach to world history from ancient history through the 16th century. Topics covered include ancient civilizations including nomadic pre-history, Egypt, Sumer, Israel, Babel, Assyria, China, Africa, Phoenicians, Babylon, Crete, Mycenaens, Persia, Greece, Americas, Rise of Rome, Aryans, Mauryans, Pax Romana, Christ, Fall of Rome, Britannia, Byzantium, India, Islam, Maori, Franks, Jihad, Charlemagne, Norse, England, Knights, Japan, Crusades, Diaspora, Mongols, Russia, Ottomans, Plague, Wars of Europe, Catholicism, Ghana/Mali, Moghuls, Exploration, Mayan/Incan. Students are exposed to the differences in religious belief, culture, social structure, economy, technology across the ancient world and some of the major changes and developments that occurred. This course uses a number of texts that provide a Christian perspective on historical events. Books are supplemented with digital resources that allow for further exploration. Grading is based on understanding as demonstrated in discussions, written assignments and project artifacts.

Example Assessments:

Hero Profile #1

Hero Profile #2

Oral Exam

Texts:

- **A Child's History of the World** – Survey
- **The Usborne Book of World History** – Survey
- **Game on in Ancient Greece** – Ancient Greece
- **Hot on the Trail in Ancient Egypt** – Ancient Egypt
- **Stowing Away with the Vikings** – Viking Scandinavia

Course Description:

This two semester sequence is a literature-based approach to world history from ancient history through the 16th century. Topics covered include Exploration, Colonization, the Age of Empire, Ottomans, Asia, India, China, Industrialization, Global Trade, current events, geography, and map reading skills. Founders focus on heroes and places set in geographic locations. They use history to practice reading in context and developing character examples. This course uses texts that provide a Christian perspective on historical events. Books are supplemented with digital resources that allow for further exploration. Grading is based on understanding as demonstrated in discussions, written assignments and project artifacts.

Example Assessments:

Hero Profile #1

Hero Profile #2

Oral History

Texts:

- **A Child's History of the World** – Reformation to Modern Age
- **The Usborne Book of World History** – Reformation to Modern Age
- **Catching their Talk in a Box**
- **Granny Han's Breakfast**

Course Description:

This two semester sequence uses great literature to connect students with history, build on timeless themes, and expose them to quality writing. Students learn to think about the foundational truths of the past and apply them to their lives today. The literature is sequenced to complement the American History course and provide stories and examples set within those people groups studied. This allows for interdisciplinary lesson design and thematic modules. The books are supplemented with digital resources that allow for further exploration. Skills gained include print awareness, picture reading, comprehension, silent reading, relationships, cause and effect, and oral communication. Grading is based on understanding demonstrated in discussions, written assignments and project artifacts.

Example Assessments:

Narrative/Interview

Haiku

Oral Exam

Texts:

- **Five Minute Stories** – Childhood Classics
- **Phoebe the Spy** – 1776, American Revolution
- **What’s the Big Idea, Ben Franklin?** – 1720s and 1730s
- **In Grandma’s Attic** – Turn of the 20th Century
- **Owl’s in the Family** – Rural Saskatchewan, Canada, during the 1930s
- **American Tall Tales** – Childhood Classics
- **Pippi Longstocking** – Early 20th century
- **The Light at Tern Rock** – Mid-20th century
- **Little House in the Big Woods** – 1870s, Wisconsin, Pioneer Era
- **All-of-a-Kind Family** – 1912, New York City
- **Boxcar Children** – Early 20th Century
- **Henry Huggins** – 1950s
- **Homer Price** – 1940s
- **Just Dance** – Present day
- **Mother Goose Treasury** – Childhood Classics

Course Description:

This two semester sequence uses great literature to connect students with history, build on timeless themes, and expose them to quality writing. Students learn to think about the foundational truths of the past and apply them to their lives today. The literature is sequenced to complement the Ancient World History course and provide stories and examples set within those people groups studied. This allows for interdisciplinary lesson design and thematic modules. The books are supplemented with digital resources that allow for further exploration. Skills gained include print awareness, picture reading, comprehension, silent reading, relationships, cause and effect, and oral communication. Grading is based on understanding demonstrated in discussions, written assignments and project artifacts.

Example Assessments:

Myth Writing

Knight Story

Oral Exam

Texts:

- **Usborne Illustrated Stories of Aesop**
- **The Lion Storyteller Bedtime Book**
- **A Grain of Rice** – Ancient China
- **D'aulaires' Book of Greek Myths** – Ancient Greece
- **Detectives in Togas** – Ancient Rome
- **Illustrated Tales of King Arthur** – Medieval Britain
- **Li Lun: Lad of Courage** – Ming Dynasty China
- **Little Pear** – 20th century Rural China
- **Magic Treehouse: The Knight at Dawn** – Medieval Europe
- **Saint George and the Dragon** – Roman Empire Libya
- **Tales of Uncle Remus: The Adventures of Brer Rabbit** – Antebellum South
- **Teddy's Button** – Victorian Era England

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Example Assessments:

Hero Profile #1

Hero Profile #2

Oral Exam

- **Richard Scarry's Please and Thank You Book**
- **Han's Christian Andersen's Fairy Tales**
- **Grimm's Fairy Tales**
- **Happy Times in Noisy Village**
- **The Family Under the Bridge**
- **Milly-Molly-Mandy Story Book**
- **Uncle Wiggily's Storybook**
- **The Velveteen Rabbit**
- **Out of Darkness: The Story of Louis Braille**
- **Mrs. Piggle-Wiggle**
- **A Beatrix Potter Treasury**
- **Winnie the Pooh**
- **The Adventures of a South Pole Pig**
- **Poems for Memorization**
- **The Good News Must Go Out**

Course Description:

The Pathways Readers are a classic reading and writing program preparing young readers as an introduction to reading. Portals uses the initial sequence for basic reading that takes learners two to three years to complete. They can learn at their own pace up through their middle school content on their own. The stories and word pages build letter recognition through character and story progressing through interpreting pictures, matching sounds, print awareness, syllables, and sentence blocks for reading. Reading and decoding sounds is in the context of character and story throughout.

Concepts Covered:

Before We Read is an introduction of reading and phonics. From Pathway: “Phonics helps pupils to read; English helps them to write what they or others will read. In teaching pupils to express themselves in writing, English uses the concepts taught in phonics while adding some of its own.” Using images to develop vocabulary, sequencing and thinking skills, left-to-right progression, visual and auditory discrimination, classification and organization skills, and sentence forming.

Language Skills Taught:

- Phonics skills reinforced
- Penmanship improvement practiced
- Alphabetical order taught
- Writing original sentences and paragraphs
- Capitals for names, sentences, and titles practiced
- Periods and question marks at ends of sentences taught
- Comprehension emphasized in numerous different activities
- Working with rhyming words, synonyms, antonyms, homonyms, compound words, and contractions
- Working with plurals, suffixes, syllables
- Teaching concepts of verbs, nouns, phrases, and sentence order

Texts:

- Pathway Readers: Before We Read Kit

Course Description:

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- Comprehension emphasized in numerous different activities
- Working with rhyming words, synonyms, antonyms, homonyms, compound words, and contractions
- Working with plurals, suffixes, syllables
- Teaching concepts of verbs, nouns, phrases, and sentence order

Texts:

- Pathway Readers: 1st Grade Language Arts Kit

Course Description:

The Pathways Readers are a classic reading and writing program preparing young readers as an introduction to reading. Portals uses the initial sequence for basic reading that takes learners two to three years to complete. They can learn at their own pace up through their middle school content on their own. The stories and word pages build letter recognition through character and story progressing through interpreting pictures, matching sounds, print awareness, syllables, and sentence blocks for reading. Reading and decoding sounds is in the context of character and story throughout.

Concepts Covered:

Before We Read is an introduction of reading and phonics. From Pathway: “Phonics helps pupils to read; English helps them to write what they or others will read. In teaching pupils to express themselves in writing, English uses the concepts taught in phonics while adding some of its own.” Using images to develop vocabulary, sequencing and thinking skills, left-to-right progression, visual and auditory discrimination, classification and organization skills, and sentence forming.

Language Skills Taught:

- Phonics skills reinforced
- Penmanship improvement practiced
- Alphabetical order taught
- Writing original sentences and paragraphs
- Capitals for names, sentences, and titles practiced
- Periods and question marks at ends of sentences taught
- Comprehension emphasized in numerous different activities
- Working with rhyming words, synonyms, antonyms, homonyms, compound words, and contractions
- Working with plurals, suffixes, syllables
- Teaching concepts of verbs, nouns, phrases, and sentence order

Texts:

- Pathway Readers: 2nd Grade Language Arts Kit

Course Description:

This two semester sequence is designed for elementary students using the Charlotte Mason method. Topics covered include nature journaling, the science of botany, seeded and seedless plants, grouping plants, seeds and germination, angiosperms – flowering plants, flower families, pollination, seeds, fruits and vegetables, leaves, photosynthesis, transpiration, roots and root systems, stems, gardening, trees, gymnosperms, seedless & vascular plants, and mycology. The course includes over 75 possible activities including building (and harvesting) a raised garden, making a tree field guide, building a light hut, growing edible mushrooms, and building a lichenometer. Grading for this course is based on the seventy-five plus possible experiments.

Example Assessments:

Chapter Test

Lab Sample

Science Journal

Unit Outline:

Module 1 – Nature Journaling, Science of Botany, Vascular System, Seedless Plants

Module 2 – Sleeping Seeds, Testae, Anatomy of a Seed, Germination

Module 3 – Flowering Plants, Flower Families

Module 4 – Pollination, Bees, Other Insects, Pollinators, Pollinated Flower

Module 5 – Flower's Fruit, Fruits and Veggies, Fruit Kinds, Dry Fruit, Seed Scattering

Module 6 – Leaf Mouths, Making Food, Photosynthesis, Sunshine Energy, Transpiration, Falling Leaves, Anatomy of a Leaf, Simple and Compound Leaves, Leaf Arrangement, Leaf Venation, Leaf Shapes, Leaf Margins

Module 7 – Good Soil, Nutritious Soil, Root Hairs, Root Growth, Preventing Erosion, Floating Roots, Geotropism, Root Systems, Geophytes, Rooting

Module 8 – Plant Structure, Succulent Plants, Auxins, Phototropism

Module 9 – Edible Garden, Gardening, Soil, Planting, Seedlings, Irrigation, Maintaining

Module 10 – Trees, Animal Shelter, Seed Making, Growth and Anatomy, Trunks

Unit Outline Cont:

Module 11 – Uncovered Seeds, Conifers, Cycads, Ginkgo Biloba, Forests, Forest Fires

Module 12 – Sporangium, Fern Anatomy and Lifecycle, Pteridomania, Type of Ferns

Module 13 – Brophytes, Mosses, Liverworts, Lichens

Module 14 – Fungi, Consumers, Yeasts, Molds, Mushrooms, Spores, Saprotrophs, Fairy Rings, Parasitic, Mycorrhizal

Texts:

- Apologia: Exploring Creation with Botany (textbook only)

Course Description:

This two semester sequence is designed for elementary students using the Charlotte Mason method. The course includes over 75 possible activities and uses the text: Exploring Creation with Zoology I: Flying Creatures of the Fifth Day by Jeannie Fulbright. Grading for this course is based on the seventy-five plus possible experiments.

Example Assessments:

Chapter Test

Lab Sample

Science Journal

Unit Outline:

Module 1 – Observing Nature, Animal Classification, Habitats, Creature Features, Extinction, Endangered, Extinction Errors

Module 2 – Entomology, Identifying Insects, Cold-Blooded, Insect Anatomy, Head, Eyes, Mouths, Thorax, Abdomen

Module 3 – Lepidopteras, Metamorphosis, Pupas, Anatomy, Migration, Life Spans,

Module 4 – Ants, Termites, Hymenoptera

Module 5 – Bees, Honeybees, Wasps

Module 6 – Beetles, Fireflies, Ladybugs, Diptera, Flies, Mosquitos, Bugs, Fruit Flies

Module 7 – Praying Mantises, Dragonflies, Chirping Critters, Othoptera Life Cycles,

Module 8 – Paleontology, Pterosaurs, Fossils, Amber

Module 9 – Birds, Benefits, Identification, Feeders, Bird Sounds, Banding

Module 10 – Feathers, Features, Couture, Wing and Tail, Down, Semiplume, Filoplume, Bristle, Preening, Color, Bathing, Sunning

Module 11 – Bones, Wingspans, Muscles, Flying, Steering, Gliding, Seabirds, Migration

Module 12 – Nests, Builders, Owls, Birdhouses

Module 13 – Mating, Hummingbirds, Habitat, Eggs, Chicks

Module 14 – Bats, Food, Anatomy, Echolocation, Habits, Habitats, Homes, Pups

Texts:

- Apologia: Exploring Creation with Zoology I: Flying Creatures of the Fifth Day

Course Description:

This two semester sequence is designed for elementary students using Apologia's Exploring Creation with Chemistry and Physics by Jeannie Fulbright. Supplemental resources and enrichment activities are integrated by Portals Academy. Grading for this course is based on the seventy-five plus possible experiments, chapter tests, and oral conversations.

Example Assessments:

Chapter Test

Lab Sample

Science Journal

Unit Outline:

Module 1 – Introductions, formation of matter, mass, density, hardness, properties of matter

Module 2 – Atoms, stages of matter, viscosity, conversion of solid, liquid, gas

Module 3 – Types of atoms, charges, electrons, valence, elements, bonding

Module 4 – Crystallization, putty, plastics, acids, reactions

Module 5 – Heterogeneous mixtures, homogeneous mixtures

Module 6 – Mechanics, Newton's Laws of Motion

Module 7 – Friction, adhesion, gravity, acceleration, centripetal force

Module 8 – Energy, forms of energy, energy production, conservation

Module 9 – Sound, conduction, speed, frequency, sonar, ultrasound, acoustics

Module 10 – Light, stars, radiation, sources of light, beams, waves, spectrum, refraction

Module 11 – Thermodynamics, laws of thermodynamics, convection, conduction, insulation, combustion, measuring heat, expansion

Module 12 – Charges, static, current, power lines and generators, circuits, types of circuits, symbols for electronics

Module 13 – Magnetism, poles, compasses, use of magnets

Module 14 – Simple machines, typical, inclines, wedges, levers, pulleys, wheels, axles, gears

Texts:

- Apologia: Exploring Creation with Zoology 1: Flying Creatures of the Fifth Day

Course Description:

This is an approximately 30 week course. Assessment for this course is based on parent determination. Math U See Description: “The Primer level is an introduction to “doing math.” The emphasis of the Primer level is not for the students to demonstrate mastery of concepts and skills but to become familiar with them and ease into formal learning. Students will learn how to write numerals and basic counting. Additionally, students will be introduced to addition and subtraction, skip counting, geometric shapes, and telling time. They will become familiar with the Math-U-See Manipulatives and develop a positive attitude towards learning math.”

Unit Outline:

Lesson 1 – Number Recognition

Lesson 2 – Writing Numerals

Lesson 3 – Number Recognition and Writing Numerals

Lesson 4 – Geometric Shapes: Rectangles

Lesson 5 – Number Recognition and Writing Numerals

Lesson 6 – Geometric Shapes: Circles

Lesson 7 – Number Recognition and Writing Numerals

Lesson 8 – Geometric Shapes: Triangles

Lesson 9 – Place Value: Units and Tens

Lesson 10 – Place Value: Hundreds

Lesson 11 – Unit Bars

Lesson 12 – Addition: Introduction and Symbol

Lesson 13 – Addition: +1

Lesson 14 – Counting to 20

Lesson 15 – Addition: 2+2 and 3+3; Vertical Addition

Lesson 16 – Shapes: Squares; Addition: 4+4 and 5+5

Lesson 17 – Skip Counting by Two

Lesson 18 – Addition of Tens

Lesson 19 – Skip Counting by 10

Lesson 20 – Addition of Hundreds

Lesson 21 – Solving for an Unknown

Lesson 22 – Skip Counting by Five

Lesson 23 – Tally Marks

Lesson 24 – Making Ten

Lesson 25 – Skip Count to Find Area

Lesson 26 – Telling Time with Minutes

Lesson 27 – Telling Time with Hours

Lesson 28 – Telling Time with Minutes and Hours

Lesson 29 – Subtraction: Introduction and Symbol

Lesson 30 – Subtraction: -1

Texts:

- Math-U-See Primer Universal Set

Course Description:

This is an approximately 30 week course. Assessment for this course is based on chapter tests. Math U See Description: “Alpha focuses on building a strong foundation for the concepts of single-digit addition and subtraction. We use systematic teaching strategies to help your student commit addition and subtraction facts to memory.”

Unit Outline:

Lesson 1 – Place Value and the Manipulatives

Lesson 2 – Counting to 20

Lesson 3 – Unit Bars

Lesson 4 – Addition: Symbols, +0

Lesson 5 – Addition: +1, Commutative Property

Lesson 6 – Counting to 100, Skip Counting by 10

Lesson 7 – Addition: +2

Lesson 8 – Solve for an Unknown

Lesson 9 – Addition: +9, Mental Math

Lesson 10 – Addition: +8

Lesson 11 – Shapes: Circles and Triangles

Lesson 12 – Addition: Doubles

Lesson 13 – Rectangles, Squares; Skip Counting by 5

Lesson 14 – Addition: Doubles +1 Associative Property

Lesson 15 – Addition: Making 10

Lesson 16 – Addition: Making 9

Lesson 17 – Addition of the Extras: 3+5, 4+7, 5+7

Lesson 18 – Introduction to Subtraction

Lesson 19 – Subtraction: -1 and -0

Lesson 20 – Subtraction: -2

Lesson 21 – Subtraction: -9

Lesson 22 – Subtraction: -8

Lesson 23 – Subtraction: Doubles

Lesson 24 – Subtraction: Making 10

Lesson 25 – Subtraction: Making 9

Lesson 26 – Subtraction: Extras

Lesson 27 – Subtraction by 7, or Adding Up by 3

Lesson 28 – Subtraction by 6, or Adding Up by 4

Lesson 29 – Subtraction by 5, or Adding Up by 5

Lesson 30 – Subtraction by 3 and 4

Texts:

- Math-U-See Alpha Universal Set

Course Description:

This is an approximately 30 week course. Assessment for this course is based on chapter tests. Math U See Description: “Beta builds on the foundation in Alpha and advances to multiple-digit addition and subtraction. An important concept introduced in Alpha but expanded in Beta is the concept of place value. Understanding this concept is necessary for complete comprehension of multiple-digit operations. Our place value chart and math manipulatives allow your student to see place value in action.”

Unit Outline:

Lesson 1 – Place Value and the Manipulatives

Lesson 2 – Sequencing; Word Problem Tips

Lesson 3 – Inequalities

Lesson 4 – Rounding to 10 and Estimation

Lesson 5 – Multiple-Digit Addition

Lesson 6 – Skip Count by 2

Lesson 7 – Addition with Regrouping

Lesson 8 – Skip Count by 10

Lesson 9 – Skip Count by 5

Lesson 10 – Money: Decimal Point and Dollars

Lesson 11 – Rounding to Hundreds

Lesson 12 – Adding Money

Lesson 13 – Column Addition

Lesson 14 – Measurement: 12 Inches = 1 Foot

Lesson 15 – Perimeter

Lesson 16 – Thousands and Place-Value Notation

Lesson 17 – Rounding to Thousands

Lesson 18 – Multiple-Digit Column Addition

Lesson 19 – More Multiple-Digit Column Addition

Lesson 20 – Multiple-Digit Subtraction

Lesson 21 – Telling Time: Minutes

Lesson 22 – Subtraction with Regrouping

Lesson 23 – Telling Time: Hours

Lesson 24 – Subtraction: Three-Digit Numbers

Lesson 25 – Ordinal Numbers; Tally Marks

Lesson 26 – Subtraction: Four-Digit Numbers

Lesson 27 – Subtraction: Money

Lesson 28 – Subtraction: Multiple-Digit Numbers

Lesson 29 – Reading Gauges and Thermometers

Lesson 30 – Bar Graphs and Line Graphs

Texts:

- Math-U-See Beta Universal Set



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