



Freshman (Level 4)

Scope & Sequence Curriculum Overview

Reading

Word Recognition Syllable division, accented syllables; primary/secondary accent; base words/prefixes/suffixes; *schwa* syllables; shift in accent; optional remedial phonics

Comprehension Literal, interpretive, critical, appreciative levels; biblical truth; cause and effect; classify; sequence events; draw conclusions; predict outcomes; fact/opinion; comparatives/superlatives; main idea; relevant/irrelevant information; place/size/time relationships; dialect; discernment; sense of history

Vocabulary Meaning from context; prefixes; suffixes; Greek and Latin roots; synonyms; antonyms; analogies; multiple meanings

Literature Setting plot; conflict; crisis; flash-back; main character; character growth and change; point of view; foreshadowing; moral; personification; good/evil elements; distinguishing genres; mood; haiku; simile; metaphor/ hyperbole; idiom; onomatopoeia; imagery; rhymes; exaggeration; suspense

Study Skills Card catalog; Dewey decimal system; encyclopedia; key word; cross-references; glossary; types of dictionaries, charts; graphs; maps; timeline; captions; headlines; subtitles; outlining; PQ3R study method; skimming; scanning; paraphrasing; schedules; diagrams

Silent Reading Purposes; for information, for entertainment, for understanding, for spiritual growth; author's message

Oral Reading Communicate author's message; communicate mood and motive; convey emotion; portray character; convey meaning of Scripture; voice inflection; volume and pacing

Composition Metaphor; simile; limerick; caption; dialogue

English: Writing & Grammar

Parts of Speech Noun – common, proper, singular, plural, possessive, abbreviation; as subjects, objects, and predicate nouns; verb – action, linking, helping present, past, and future tenses; pronoun – subject, object, possessive, adjective – article, as predicate adjective; adverb; preposition

Sentence Structure Sentence; fragment; subject part, simple subject, predicate, simple predicate; types – declarative, interrogative, imperative, exclamatory; compound sentence; compound subjects; compound predicates; clauses – independent, dependent; introductory phrases; prepositional phrases; diagramming

Mechanics Capitalization – proper nouns, titles, initials, *I*; Punctuation – period, question mark, exclamation point, comma, apostrophe, quotation marks; titles of books, poems and stories

Usage Homophones; pronoun reference; subject/verb agreement; proper nouns; confusing verbs, confusing contractions; double negatives

Writing Skills Using a thesaurus to find colorful and exact words; planning with a word web, time-order chart, opinion chart, plot pyramid, T-chart, Venn diagram, outline, revising; proofreading; writing conferences; combining sentences; writing a bibliography

Writing Projects Personal narrative; friendly letter with instruction; compare-contrast essay; book review; tall tale; research report; business letter; haiku; acrostic poem

Study & Reference Skills Parts of a book – title page, copyright page, table of contents, index, glossary; dictionary – guide words, parts of an entry, multiple definitions, multiple entries; encyclopedia; periodical; library; atlas; outline; taking notes

Listening & Speaking Skills Good listening skills; sharing a narrative; speaking tips



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Math

Numeration Recognizing and writing 0 to 1,000,000,000; number words; *zero to one billion*; Roman numerals

Number Theory Ordinals; first through ninety – ninth; place value; ones to hundred millions; compare; even and odd numbers; round to the nearest ten, hundred, and thousand

Counting Count by 1s, 5s, 10s, 100s, 1,000s, 10,000s, and 100,000s; count to 50 by 2s, to 30 by 3s, to 40 by 4s, to 60 by 6s, to 70 by 7s; to 80 by 8s, to 90 by 9s

Addition 100 basic facts; fact families; six-digit addends; column addition; money; order, grouping, and zero principles; word problems

Subtraction 100 basic facts; fact families; six – digit subtrahend and minuend, take – away; comparison; missing addend; unknown part; money; zero principle; word problems

Multiplication 100 basic facts, fact families; multiples; equal sets; array; cross – product; money; three one – digit factors; one – digit times five – digit; two – digit times three – digit; order principle; multiplication – addition principle, factoring; word problems

Division 90 basic facts, fact families; repeated subtraction; money; measurement; partitive; missing factor; three – digit by one – digit; three – digit by two digit; word problems

Algebra Readiness Order; missing addend; missing factor; add and subtract positive and negative numbers; word problems

Fractions Part of a whole; part of a set; mixed numbers; equivalent fraction; compare; order; rename into higher and lower terms; add and subtract like and unlike fractions; add and subtract mixed numbers; word problems

Decimals Read and write tenths and hundredths; round to nearest tenth; compare; add and subtract; money; word problems

Geometry Shapes; solids; perimeter; area; volume; points; line segments; rays; parallel and intersecting lines; right angles; symmetry; similar and congruent Circle radius, diameter

Estimation Front – end estimation and rounding for addition, subtraction, multiplication, and decimals Overestimating/underestimating; Measurement

Measurement Length: $\frac{1}{4}$ inch, foot, yard, mile, millimeter, centimeter, decimeter, meter, kilometer

Capacity: cup, pint, quart, gallon; milliliter, liter **Weight:** ounce, pound, ton **Mass:** gram, kilogram

Temperature: Fahrenheit, Celsius **Time:** elapsed time, nearest minute. Time zones, timelines **Calendar**

Money

Problem Solving Money; logic; probability; catalog; graphs; tables and charts; Venn diagrams; map skills; two – step word problems

Statistics and Graphs Pictograph; bar, line, circle, and coordinate graphs; tables and charts; tallies; survey; frequency table; average; mode

Calculators Addition; subtraction; multiplication; division; memory; magic squares; multiple operations; word problems

Computer Addition; subtraction; multiplication; division; flow chart; GO TO, INPUT/OUTPUT statements variables



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Science

Earth science

Earth:

Weathering: mechanical, chemical, humus, topsoil, subsoil, bedrock

Mass-wasting: creep, landslide, avalanche

Erosion: water, splash erosion, sheet erosion, gully, rill, valleys, gorges, delta, flood plain, wave-cut cliff, stack, spit, hook, barrier islands, tombolo, glacier, cirque, fjord, till, wind, blowout, conservation, prevention

Space:

History of the moon: theories, age, activity, dust, distance, purpose, light, movement, calendar, end

Moon features: structure, surface, size, mass, gravity, shape, distance, temperatures, motions, phases

Life Science

Living Things

Insects, arachnids, and myriapods: Insect orders (grasshopper, dragonfly, aphid, bug, moth and butterfly, beetle, fly and mosquito, bee and ant, flea): arachnids; myriapods

Plants: classification, botanist, fungi, molds, algae, mosses and liverworts, ferns, conifers, seeds, deciduous, flowering and fruit – producing plants, monocotyledons, dicotyledons

Animal defenses: camouflage, weapons, protective coverings, special defenses, tactics

Trees: classifying by leaf, simple and compound leaves, pinnate and palmate leaves

Human Body

Digestion: mouth, saliva, ptyalin, taste buds, cavities, throat, pharynx, esophagus, sphincter, peristalsis, stomach, pepsin, ulcer, intestines, villi, pancreas, insulin, diabetes mellitus, liver, bile, taste

Physical Science

Motion

Machines: work, simple machines, inclined planes, pulleys, wheels, axles, levers, fulcrum, wedges, screws

Energy

Electricity: static and current; circuit, generator, electromagnets

Light: radiant energy, source, seeing light (eye), color, spectrum reflection, mirrors

Matter:

Length, area, and volume: measurement, metric, area calculation, square units, volume calculations, cubic units

Progress Skills in Science

Hypothesizing
Predicting
Measuring and using numbers
Experimenting
Making and using models
Observing

Inferring
Classifying
Identifying and controlling variables
Collecting, recording, and interpreting data
Communicating
Defining operationally



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Utah History

The Utah Adventure; History of a Centennial State

Utah's flag, seal, motto and state symbols; early people; American Indian; trappers and explorers; settling Salt Lake Valle; branching out across the state; life in early Utah; glorious day of statehood; inventions, industry, depression and war; economics and entrepreneurship; Utah in the United States; land regions; Lake Bonneville; parks and monuments; dinosaur grounds; wildlife; Fremont and Anasazi people; western pioneer trails; immigrants from Europe; Transcontinental Railroad; mining towns; counties and county seats

Handwriting

Maintaining cursive alphabet: uppercase and lowercase; maintaining good handwriting skills using ink pens; applying use in subject content areas – math, English skills, science, history; copying good cursive models that include descriptive paragraphs, outlines, journals, book reports, hymns, time-lines, titles, and labels

Spelling

Spanish

Five Cs of the national foreign language standards (ACTFL)

Communication: Presents over 250 Spanish words and phrases in context, numbers to 100, develops listening-comprehension skills through read-aloud books, provides conversations and total physical response commands by native speakers for listening and modeling, leads student to move, point, color, and write through a variety of worktext activities

Cultures: Introduces cultural aspects of eight Spanish-speaking countries

Connections: Integrates interdisciplinary connections such as science, math, music, and drama; offers practice in grammar, vocabulary, and pronunciation through Bible songs, verses, and Bible truths.

Comparisons: Provides an opportunity to compare Hispanic culture with the students' own culture through recipes, music, and additional theme-related cultural information

Communities: Arouses interest in missionary work, suggests community outreach activities, encourages parent participation with vocabulary flashcards