

# 6-12 General Scope and Sequence (items highlighted are mostly 6-9 year old activities/concepts)

## Language

### HANDWRITING

- € Metal insets
- € Sandpaper letters
- € Manuscript
  - Lowercase
  - uppercase
- € Cursive
  - Lowercase
  - uppercase

### SHORT/LONG PHONOGRAMS

- € ex. silent e, ai, ay, a-e, etc.
- € AEIOU – beg/middle/end sounds

### ENDS/DIGRAPHS

- € ex. vowel/cons, cons/vowel, etc.
- € ex. ch, sh, th, wh, ph, etc.

### HOLE LANGUAGE

- € Readers/rhyming words
- € Sight Words-ident. Letter, word, sent.

### WORD STUDY

- € Compound Words
- € Root Words
- € Suffixes/Prefixes
- € Antonyms/Synonyms
- € Homophones/Homononyms/Homographs
- € Capital Letters
- € Abbreviation
- € Contractions
- € Singular/Plural – regular/irregular
- € Possessive
- € Syllabication
- € Rhyming

### GRAMMAR

- € Article/noun/pronoun/adjective
- € verb – past, present, future
- € some knowledge – preposition, adverb, conjunction, interjection
- € subject /predicate
- € appositives
- € preposition/participle phrases

### MECHANICS OF LANGUAGE

- € punctuation – period, question mark, exclamation point
- € Some knowledge – comma, apostrophe, quotation marks, semi colon, colon, dash, parenthesis
- € Capitalization rules
- € Underlining/italics/quotation marks
- € Proper verb tense usage
- € Create and use an editing checklist

### RESEARCH SKILLS

- € Alphabetical Order
- € Guide words

## Math

### DECIMAL SYSTEM

- € Place value to 1000/1 mil – golden beads, quantity/symbol, exchange game

### NUMERATION

- € Identify to 1000/1 mil – teens/tens board, hundred board, hundred/thousand chain, counting by 1,5,10...
- € Pos./neg. numbers – operations
  - € ordinals
  - € < > =
  - € tally marks
  - € estimating
- € rounding (less than 1000) – all place values
- € odd and even numbers
- € prime/composite numbers
- € LCM/GCF
- € Absolute value

### MEMORIZATION

- € fact families
- € addition – snake game, strip board, charts
- € subtraction – snake game, strip board, charts
- € multiplication – bead bars, mult board, charts
- € division – unit division board, charts
- € bead cabinet – squaring chains, cubing chains

### OPERATIONS

- € Static/Dynamic addition – golden beads, stamp game, bead frame, Ø materials
- € Static/Dynamic multiplication – golden beads, stamp game, bead frame, bank game, Ø materials, checkerboard
- € Static/Dynamic subtraction – golden beads, stamp game, bead frame, Ø materials
- € Static/Dynamic division – golden beads, stamp game, test tube, Ø materials

### PROBLEM SOLVING/ALGEBRA

- € Story problems/process
- € Data analysis/frequency table
- € Solving equations ( $x+2=5$ ) – linear equations
- € number line
- € Number patterns
- € Commutative/associative property (inverse)

### FRACTIONS

- € Family names

## Cultural Studies – The BIG Picture

### ZOOLOGY

- € Classification – living/non-living, plant/animal/5 kingdoms
- € External
  - Fish, amphibian, reptile, bird, mammal
- € Internal
  - Fish, amphibian, reptile, bird, mammal
- € First Knowledge – Animal Stories
- € Comp. of Vertebrates/Invertebrates
- € Needs of ...
- € Food Chain/Webs – carnivore, predator, etc.

### BOTANY

- € Classification – compare/contrast leaves, plants, tree
- € First Knowledge – Plants, Seeds, Leaves, etc.

### EARTH SCIENCE/ENVIRONMENT

- € planet earth/planets/orbits/astronomy
- € seasons – effects on plants, animals, people
- € volcanoes/rocks/minerals/fossils
- € plate tectonics
- € erosion
- € oceans/weather/climate/seasons/precipitation
- € air/wind/clouds/rays
- € atmosphere
- € Reduce/reuse/recycle
- € Global warming/pollution/etc.

### CHEMISTRY

- € matter/forces/gases/changes/solutions
- € heat/acid or base/periodic table
- € proton/neutron/electron/molecule/atomic diagram

### PHYSICS

- € electricity/magnetism/gravity
- € buoyancy/balance/flight
- € simple machines/inertia/motion
- € light/sound – properties and waves

### GEOGRAPHY

- € Land & Water Forms
  - lake/island
  - gulf/peninsula
  - strait/isthmus
  - bay/cape
- € Continents/oceans
- € Concept of country, state, county, city, river
- € Identify major – country, state, county, city, river
- € Maps
  - north, south, east, west
  - latitude/longitude
  - legend/key
  - globe

### HISTORY

- € Creation stories
- € Big bang
- € Coming of the Universe, Coming of life
- € Earth history timeline
- € Timeline of people – Coming of humans, History of language/numbers-study of other languages
- € Timeline of ancient history

- € Table of contents
- € Glossary/Index
- € pronunciation key
- € Bibliography
- € Research tools- Dictionary/internet/encyclopedia/thesaurus/atlas/newspaper
- € Reading
  - Table, chart graph, map, pictures, diagrams
- € quoting/paraphrasing/paragraphs/citing
- € Plagiarism
- € Using multiple sources per composition
- € Note taking strategies
- € Computer and keyboarding terminology

## WRITING SKILLS

- € Sentence/compound sentences
  - Complete thought/comp. sent.
  - declarative
  - imperative
  - interrogative
  - exclamatory
- € Spelling Rules
  - Memorization
  - Visualization
  - Syllabication
  - Etymology
  - Prefix/suffix/phonograms
- € Paragraphs
  - topic sentence
  - beginning, middle, end
  - use of transitions
- € Types of Writing/compare & contrast
  - Letters/applications
  - poetry
  - drama
  - journal
  - newspaper
  - biography/autobiography
  - fiction
  - non-fiction
  - summaries
  - use of similes, metaphors, hyperboles, personification, symbolism, imagery, alliteration
  - narrative – personal experience
  - persuasive
- € Essays – responses to literature
  - informational
  - narrative
  - descriptive – climactic order
  - expository
  - persuasive
- € Editing
  - Facilitated, peer/self

## READING/LITERATURE

- € Word knowledge – word origins
- € Reading for content
- € Clues in title, chap. heading, context
- € Locating answers
- € Main idea, character, plot, setting
- € Sequence
- € Making a prediction/Conclusions/cause and effect
- € Reading
  - Poetry, plays, fiction, newspaper biographies/autobiographies
- € Silent reading
- € Reading aloud/changes voice expresses
- € Identifies Propaganda and faulty reasoning.
- € Multi-step directions from a technical manual

## PRESENTATIONS

re contact/voice/time/clarity

- Ex. Whole, halves, etc.
- € Numerator/Denominator
- € Equivalence ( $2/10 = 1/5$ )
- € + - w/ like denom
- € + - w/ unlike denom
- € mixed numbers/imp. fractions
- € Multiplication/Division
- € Reducing
- € Conversion to decimals ( $1/10$  piece of pizza = .10)
- € Probability
- € Ratios/proportions

## DECIMALS

- € Place value – rounding to .001
- € addition - decimal board
- € subtraction
- € multiplication - decimal checkerboard
- € division
- € convert to fractions (tenths)

## MEASUREMENT

- € Metric/Standard - ruler
  - length
  - weight
  - capacity
- € Comparing – ex. inches to feet, cups to gallons, meters to yards.
- € Conversion – ex. cent. to meters, inches to feet, cups to gallons
- € Temperature – thermometer Fahrenheit/Celsius

## MONEY

- € .01¢ - \$10.00
- € operations/finding value
- € greater than/less than
- € estimating
- € rounding

## TIME

- € hour, half, quarter 5 minutes
- € 1 minute, digital time, elapse

## GEOMETRY

- € Geometric solids/shapes
- € Constructive Triangles
- € Point/Line/Surface/Solid
- € Properties of Lines (ex.point)
- € Properties of Angles(ex.acute)
- € Formation of regions
- € Triangles
- € Quadrilaterals
- € Circles - compass
- € Congruency
- € Symmetry-reflectional/rotat.
- € Similarity
- € Equivalency
- € Perimeter
- € Area – ex. Square, circle, triangle
- € Volume
- € Angles – protractor/compass
- € Mean/median/mode
- € Graphing - pairs/plotting

- € Timeline of US history
- € Timeline of world history
- € State history
- € Personal timeline
- € Western Civilization
  - beginning of civilization
  - Greece
  - Rome
  - Middle ages
  - Renaissance
- € USA
  - Identify American songs/symbols
  - Pledge of Allegiance
  - National celebrations
  - Why a government is a community – leaders, etc.
  - Immigration/emigration
  - Three branches of government
  - Local, state, federal government
  - Laws/rules
  - Laws/checks and balances
  - explorers & settlers
  - young nation
  - industrial age
  - modern America
- € State
  - your state – explorers and settlers

## POLITICAL GEOGRAPHY

- € Pin/puzzle Maps
  - Planisphere
  - North America
  - South America
  - Africa
  - Europe
  - Asia
  - Oceania
  - United States/capitals

governmental systems

## Artistic impression/AESTHETICS

- Artistic forms – drawn/dimensional
- Photography/perspectives/art history
- Dance/drama/creative movement
- Music forms/music concepts/music appreciation

## Economics

- Goods and services
- Cause and demand
- Global philosophies

## Fitness/Wellness/HEALTH

- Personal skills
  - Team/cooperative skills/sports
  - Muscle tone/endurance
  - Care of self/grace and courtesy
  - Food-nutrition labels/fat/sugar/sodium, etc.
  - Parts of body/organs/blood cells
- € Diseases/Disorders – causes/treatments
  - € Genetics/family – sexual wellness/drugs/alcohol
  - € Peer pressure/natural & logical consequences

