



Scope and Sequence for Upper Elementary, 4th and 5th Grades

Math

Four operations with whole numbers
Math facts using the decanomial material
Powers
Rules of divisibility
Factors, multiples, and prime numbers
Greatest common factors and least common multiples
Fraction equivalency
Four operations with fractions
Decimals and powers of ten
Changing fractions to decimals and back again
Comparing and ordering decimals
Four operations with decimals
Percents and ratios
Relationships and equivalencies of fractions, decimals and percentages
Graphing
Word problems
Problem Solver series

Geometry

Study of lines
Study of angles
Measuring and constructing angles
Study of triangles
Study of quadrilaterals
Study of regular and irregular polygons
Diagonals and lines of symmetry
Measuring perimeter and area
Study of the circle
Determining radius and circumference
Congruent and equivalent figures
Determining volume of various figures

Language

Grammar

Advanced functions of parts of speech
Sentence analysis
Symbolizing
Sentence diagramming

Reading comprehension and vocabulary development

Literature groups
S.R.A. Reading Laboratory program
Wordly Wise 3000

Spelling

Instructional Level Spelling Program

Word study

Compound words
Prefixes, roots, and suffixes
Antonyms and synonyms
Homophones, homonyms, and homographs

Note-taking and writing development

Bullet points, paraphrasing, organization, topic sentences, introductions, conclusions, editing, outlining

Types of writing

Creative, letter, descriptive, research, narrative, expository, persuasive, personal reflections, quote reflections, and writing prompts

Dictionary and thesaurus use

Oral presentations

Computer skills

Cultural Studies

Physics

Newton's Three Laws of Motion
Forces
Simple machines
Light
Electricity and magnetism

Chemistry

States of matter
Periodic table of elements
Chemical reactions

Geography

Seasons
Tides
Study of maps and imaginary lines
Biomes
Geologic landforms
Overview of seven continents
Countries and major cities
States and capitals
Research writing on areas of interest
Study of Mexico- culture, language, food, history, holidays, topography, and biomes