

Andrews Academy

4th Grade Curriculum

Language Arts

- Reading
 - Critical thinking: observe, brainstorm, analyze, classify, compare/contrast, visualize, evaluate, synthesize,
 - Strategic reading: fiction, nonfiction, decoding, details, vocabulary, making inferences
 - Comprehension: cause/effect, conclusions, fact/opinion, author's purpose and viewpoint, main idea, judgments, paraphrase, predict, sequence, summarize
 - Vocabulary: key words, context clues, decoding, synonyms, antonyms
 - Study skills: strategies, note-taking, sources of information
 - Literary appreciation: elements, author's craft/technique, literary forms/genre
 - Novels
 - Nonfiction and poetry
 - Multiculturalism
- Writing
 - Enabling skills: expression, ideas, language study
 - Composition skills
 - Sentences
 - Paragraphs: narrative, descriptive, persuasive
 - Figurative language: rhythm and rhyme
 - Creative writing
 - Idioms
 - Poetry
 - Short stories
 - Reports
 - Research papers
 - Critical papers
 - Revision and proofreading
 - Writing in relation to content areas
- English
 - Sentences: types, structure, parts
 - Nouns and pronouns
 - Verbs and verb tenses
 - Adjective and adverbs
 - Conjunctions
 - Capitalization and punctuation
 - Titles and abbreviations
 - Vocabulary
 - Sentence writing: combining, expanding, revising
 - Compositions: writing process
 - Literary models: form, elements
 - Study skills: parts of a book, dictionaries, reference works
 - Research skills
 - Thinking and reasoning skills
 - Speaking and listening

- Handwriting: cursive
 - Application in creative writing
- Spelling
 - Consonants
 - Digraphs
 - Short and long vowels
 - Vowels and "r"
 - Word parts, structure
 - Syllabication, inflections
 - Unexpected spellings
 - Dictionary pronunciations
 - Proofreading
 - Relation to grammar
 - Application

Mathematics

- Understanding numbers: number sense, place value through millions, comparing, ordering, rounding, tables, practical application, money
- Using addition and subtraction facts
 - Fact families up to 1,000,000,
 - Missing addends and subtrahends
- Addition and subtraction of whole numbers: with and without regrouping, estimating, adding and subtracting numbers up through six places, addition of three and more addends, problem solving
- Measurement: time, capacity, mass, line graphs, length, temperature, weight, metric and customary units
- Multiplication and division facts: properties, fact families, factors, multiples, double digit divisors
- One digit factors in multiplication: multiply one, two, and three digit numbers, money with decimal points
- Multiplying by two digit numbers: multiply one, two, and three digit numbers, multiples of ten
- One digit divisors in division: divide one, two, and three digit numbers, money with decimal points, interpreting quotient and remainder
- Dividing by two digit numbers: two digit numbers and multiples of ten
- Estimation
- Geometry
- Fractions and mixed numbers
- Adding and subtracting fractions
- Decimals to thousandths
- Probability and prediction
- Problem solving
- Choosing the correct operation
- Statistics and graphing
 - Median, range, average, mode
 - Graphs: bar, line, circle, pie, pictograph, choosing the correct graph

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4th Grade Curriculum

Social Studies – United States Land and People

- Geography
- Environment
- People
- Resources
- Regions: Northeast, Southeast, Midwest, Southwest, West
- Missouri: history, environment, geography, people, heritage
- States project
- Maps, globes, atlases
- Current events

Science

- Life Science
 - Plant structure and function
 - Classification
 - Flowers
 - Seeds and fruits
 - Life cycle of flowering plants
 - Animal structure and function
 - Classification
 - Vertebrates
 - Inherited and learned characteristics
 - Energy and ecosystems
- Physical Science
 - Matter
 - Definition of matter
 - Length and volume
 - Mass and density
 - Physical changes
 - Chemical changes
 - Electricity and magnetism
- Earth Science
 - Weather
 - Sunlight and temperature
 - Air movement and temperature
 - Clouds and precipitation
 - Weather prediction
 - Oceans
 - Ocean floor
 - Exploration
 - Currents
 - Habitats
 - Solar System
 - Earth
 - Moon
 - Planets
 - Asteroids, meteors, stars
- Human Body
 - Systems
 - Digestive system
 - Circulatory system
 - Nervous system
 - Health
 - Healthy digestive system
 - Nutrition
 - Healthy circulatory system
 - Healthy nervous system

Spanish

- Vocabulary with articles
- Grammar: feminine and masculine, punctuation, conjugation
- Spelling rules
- Comparing English words to Spanish
- Listening comprehension
- Speaking: pronunciation, conversations
- Reading and writing vocabulary
- Culture: regions, holidays and celebrations, songs, games, food

Music

- Rhythm
- Melody: patterns, phrases, steps, leaps, repeats
- Pitch matching and pitch reading
- Form
- Tone color
- Harmony: rounds, partner songs, descants, counter-melodies, ostinato
- Expressive elements: tempo, dynamics, style
- Music appreciation and listening
- Performance skills
- Multicultural awareness
- Instrument project
- Composer study
- Historical American music: correlation to Social Studies

Art

- Drawing: sketching, foreground, background, enlargement, negative space
- Painting: design, contrast, abstract, monochromatic
- Collage
- Sculpture
- Printing
- Ceramics
- Crafts
- Color and design
- Computer drawing
- Artist study

P.E.

- Team Sports: soccer, flag football, floor hockey, basketball, volleyball, team handball, softball, lacrosse
- Individual sports: Frisbee, jump rope, floor tennis, archery, track and field, tumbling
- Lifetime recreational games
- Rhythm and dance
- Fitness and endurance
- Interscholastic sports
- Good sportsmanship

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4th Grade Curriculum

Computer

- Skills application: math, problem solving
- Word processing
- Creative writing
- Introduction to Power Point
- Paint application
- Keyboarding
- Internet use
 - Search engines, intermediate
 - Online products
- Internet safety

Library

- Electronic catalog searches
- Fiction and nonfiction
- Dewey Decimal System
- Reference collection use
- Biography
- Periodicals
- Evaluation and selection
- Research skills: print and Internet
- Research for reports
- Listening and viewing skills
 - Discussion techniques
 - Interpretation
 - Summary
- Award literature
 - Newbery Award books
 - Mark Twain Award books
- Literature appreciation
- Parts of a book
- Book talks