

# Andrews Academy

## 6<sup>th</sup> Grade Curriculum

### Language Arts

- Reading
  - Decoding words in unfamiliar form
  - Critical thinking: observe, brainstorm, classify, compare/contrast, visualize, evaluate, synthesize, analyze
  - Comprehension
    - Word meanings
    - Meanings of phrases and special expressions: idioms, similes, metaphors, personification, denotative and connotative words
    - Syntactic and rhetorical relationships
    - Punctuation marks
  - Comprehension application: directions, important details, sequence, main idea/topics, conclusions, predictions, cause/effect, mental pictures
  - Strategic reading: fiction, nonfiction, decoding, details, vocabulary, making inferences
  - Novels
  - Multiculturalism
  - Reference: sources, locating information, fact/opinion, propaganda
  - Literary skills: genre, story elements, styles of writing, writing devices
- Writing
  - Sentence writing: expansion, combining sentences, revision
  - Paragraphs: fact and fiction, mechanics, methods of development
  - Report and expository writing: composition, thesis, research
  - Letter writing
  - Narratives: stories, poetry, dialogue
  - Writing process: purpose, audience, prewriting, writing, questioning, proofreading, revising, final copy
  - Writing in relation to content areas
  - Creative writing
- English
  - Sentences: declarative, interrogative, imperative, exclamatory, complex, compound
  - Grammar and usage
    - Mechanics: capitalization
    - Punctuation: commas, colons, semicolons
  - Nouns and pronouns
  - Abbreviations
  - Verbs and verb tenses
  - Direct and indirect objects
  - Adjectives and adverbs
  - Prepositions, conjunctions, interjections

### Writing conversations

- Compositions
  - Writing process
  - Literary models: narratives, poetry form, speeches, news articles, story form
- Study skills: dictionaries, reference works
- Research skills
- Research term paper
- Thinking and reasoning skills
- Speaking and listening
- Spelling
  - Vowels
  - Compound words
  - Syllabication
  - Prefixes, roots, suffixes
  - Homophones
  - Dictionary skills
  - Proofreading
  - Vocabulary development
  - Relation to grammar
  - Application

### Mathematics

- Understanding numbers
  - Whole numbers and decimals
  - Comparing
  - Rounding, estimation
  - Interpreting data from tables and graphs
- Addition and subtraction of whole numbers and decimals
- Multiplication of whole numbers and decimals
- Large number multiplication and division
- Division of whole numbers and decimals
- Multiplication and division facts
- Choosing the correct operation
- Fractions and mixed numbers
  - Greatest common factor
  - Least common multiple
  - Renaming mixed numbers
  - Comparing and ordering
- Prime and composite numbers
- Addition and subtraction of fractions and mixed numbers
- Multiplication and division of fractions and mixed numbers
- Geometry
- Multi-step problem solving
- Ratio, proportion, percent
- Measurement: area and volume
- Probability
- Algebra: integers
- Graphing ordered pairs

# Andrews Academy

## 6<sup>th</sup> Grade Curriculum

### Social Studies – World History

- Earth's geography
- Early civilizations
  - Fertile Crescent
  - Mesopotamia
  - Babylonia and Assyria
  - Hebrews, Phoenicians, Lydians
- Byzantine Empire/Ancient Arabia
- Ancient Egypt and Nubia
- Ancient India and Persia
- Ancient China
- Ancient Greece
- Ancient Rome
- Middle Ages
- Renaissance
- The Middle East
- Maps, globes, atlases
- Culture Fair project
- Current events

### Science

- Life Science
  - Cells: theory, animal and plant, cell function
  - Reproduction and heredity
    - Cell reproduction
    - Multi-cell reproduction
    - DNA
    - Genetics
    - Mitosis, meiosis
  - Ecosystems and biomes
    - Organisms and environment
    - Environmental cycles
    - Environmental changes
    - Land and water biomes
- Physical Science
  - Heat and matter: conduction, convection, radiation
  - Changes in matter
    - States of matter
    - Solutions
    - Chemical reactions
    - Acids and bases
- Earth Science
  - Earth
    - Changes in earth's crust: glaciers, earthquakes, volcanoes
    - Rocks and fossils
  - Universe
    - Earth, sun, galaxies, stars
    - Exploration
  - Resources and conservation
    - Renewable resources
    - Nonrenewable resources
    - Air, land, water resources
    - Conservation
- Human Body: systems
  - Nervous system and nerve cells
  - Senses
  - Endocrine system

### Spanish

- Vocabulary with articles
- Dialogues
- Grammar: feminine and masculine, punctuation, conjugation, definite and indefinite articles, question structure
- Spelling rules
- Listening comprehension
- Speaking: pronunciation, conversations
- Reading and writing vocabulary
- Culture: regions, holidays and celebrations, songs, games, food, Latin American people, Incas, Aztecs, Mayans, short stories
- Cross-curricular activities

### Music

- Rhythm
- Melody and pitch matching
- Harmony
- Pitch reading
- Form
- Tone color
- Expressive elements: style, tempo, dynamics
- Music appreciation and listening
- Notational skills
- Performance skills
- Multicultural awareness
- Composer study
- Composition project

### Art

- Drawing
  - Figure
  - Animal
  - Landscape
  - Perspective, contour
- Painting: watercolor, tempera, acrylic
- Ceramics
- Fabric: weaving, stitchery, batik
- Color and design
- Computer drawing
- Mixed media
- Class project "Gift to the school"

### P.E.

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

# **Andrews Academy**

## **6<sup>th</sup> Grade Curriculum**

### **Computer**

- Word processing
  - Microsoft Word
  - Research paper writing
- Keyboarding – mastery level
- Skills application
  - Math: problem solving
  - Digital camera use
- Internet use
  - Search engines, advanced
  - Copyright policies
- Internet safety
- Power Point

### **Library**

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