

FIRST GRADE CURRICULUM

READING/ LANGUAGE ARTS

Word Level Work

Phonological Awareness, Phonics and Spelling

- Practice and secure rhyming skills from Kindergarten by:
 - exploring rhyming patterns
 - generating rhyming groups (pat, sat, cat)
- Practice and secure ability to hear initial and final phonemes in CVC (consonant-vowel-consonant) words
- Discriminate and segment all three phonemes in CVC words
- Blend phonemes to read CVC words
- Represent in writing all three phonemes in CVC words
- Read and spell words ending in ff, ll, ss, ch, ng
- Read and spell initial consonant clusters: bl, cr, tr, str
- Read and spell final consonant clusters: nd, lp, st
- Segment consonant clusters for spelling and writing
- Blend phonemes for reading: segment phonemes for spelling
- Read and spell long vowel phonemes: ee, ai, ie, oa, oo

Word Recognition, Graphic Knowledge and Spelling

- Read on sight new, high frequency words
- Spell words with 's' at the end for a plural
- Spell words from their weekly spelling lists
- Learn new words from shared and individual reading experiences
- Make a collection or personal words
- Learn the meaning of 'vowel' and 'consonant'

Sentence Level Work

Grammatical Awareness

- Expect written text to make sense and check for sense if it does not
- Use awareness of grammar of a sentence to decipher new words (read on, leave a gap, then re-read with a word)
- Read with expression
- Re-read to make sure own writing makes sense
- Predict words that fit in a sentence

Sentence Construction and Punctuation

- Recognize and use periods and capital letters when reading and writing. Use capitalization for Mr., Mrs., Ms., Miss



READING/ LANGUAGE ARTS

Text Level Work

FICTION AND POETRY

Reading Comprehension

- Reinforce and apply word level skills in shared and guided reading
- Use phonological, graphical and grammatical cues to read texts and make sense from them
- Read simple familiar stories and poetry independently
- Re-enact stories using puppets, pantomime and plays
- Retell stories giving the main points in sequence
- Identify different genres of stories and discuss characters
- Become aware of character dialogue

Writing

- Apply phonological, graphic knowledge and sight vocabulary to spell words accurately
- Write about events in personal experience
- Use rhymes and patterned stories as models for their own writing
- Use elements of structure and language in own stories
- Write about significant incidents in stories
- Compose own poetry using repetitive patterns, carefully selected sentences and imagery

NONFICTION

Reading Comprehension

- Know the difference between fiction and non-fiction
- Know the features of non-fiction texts: captions, indexes, table of contents, diagrams with labels
- Understand that the reader can read selectively for information without reading the whole book
- Use ordered sequences of events: first, next, last
- Use text to answer questions

Writing Composition

- Write captions for their own works for display
- Make simple lists for planning and reminding
- Write and draw instructions and labels for classroom use
- Write recounts of experiences
- Make a class dictionary of special interest linked to Units of Inquiry

FIRST GRADE CURRICULUM

MATHEMATICS

Number Sense

- Use appropriate math vocabulary, including number words
- Name, count, recognize and compare whole numbers up to 100
- Understand our numeration system by relating, counting, grouping and place value concepts
- Develop various approaches to work with numbers
- Use mental math to compute and solve problems
- Know when to use addition and subtraction
- Work with manipulatives in a variety of models
- Use a variety of strategies and situations for estimating quantities, measurement, and computation
- Write and solve addition and subtraction word problems
- Explore discrete math by sorting and classifying sets by attributes
- Find the sum of three or more single-digit addends
- Relate the mathematical language and symbolism of operations to problem situations
- Explore and understand the relationship among operations
- Understand the language of numbers: more than, greater than, less than, before, between, after

Algebraic Thinking: Patterns, Relations and Functions

- Recognize, describe, extend and create a wide variety of patterns in mathematics and the real world
- Demonstrate an understanding of the missing addend
- Identify a missing piece of a pattern in a sequence, or in a mathematical sentence
- Write an equation to represent and solve a problem
- Explore the use of variables and open sentences to express relationships
- Match written symbols to objects, numbers, quantity, and words
- Explore multiplication and recognize its relationship to repeated addition

Geometry and Measurement

- Identify properties and attributes of shapes
- Tell time to the quarter hour, half hour and hour intervals
- Identify coins and their equivalencies
- Make and use estimates of a measurement
- Apply, compare and compute with measurement
- Demonstrate attributes of length, weight, area and volume
- Develop spatial sense

MATHEMATICS- CONTINUED

- Recognize shapes from different perspectives to explore symmetry and transformations
- Use geometric ideas to develop numerical ideas

Data Analysis: Statistics and Probability

- Use a variety of methods and materials to manipulate and organize data
- Interpret and discuss Venn diagrams, using 2 or 3 sets
- Use a chart or table to help solve a problem
- Collect, tally, organize, record and describe data
- Formulate and solve problems that involve collecting and analyzing data
- Explore the concepts of chance

SCIENCE

Scientific Methodology

- Year-long Inquiry/Science Journal
- Evidence gathering
- Measurement (with ruler, scale, thermometer, etc.)
- Engineering process for problem solving: identify problem, develop & test solutions
- Scientist Biography: engineers & inventors
- Occupations in science & engineering relevant to IB units

Living Things

- Endangered species & extinction

Earth & Space

- Constellations, links to mythology
- Natural resources: uses and conservation

Materials & Matter

- Design, engineering & materials of bridges & other structures (e.g. arches, domes)
- Machines and tools used historically (e.g. Greeks)

Forces & Energy

- Simple Machines
- Basic concepts of work, force & motion



FIRST GRADE CURRICULUM

SOCIAL STUDIES

- Comparison of life now and in the past
- Use of timelines (historical events in sequence)
- Historical Inquiry: How we learn about the past

Community & Government

- Features of societies
- Elements of good citizenship in school & community
- Democratic elections & role of US presidents and world leaders
- What makes good rules/law?
- Our responsibility to preserve/protect special places

Economics

- Economics of Ancient Greece: trade, barter, early currency and application to modern life

US History

- American heroes and historical figures
- National Parks

World History

- Heroes and influential historical figures
- Ancient Greece
- Structures & technologies of ancient civilizations and their cultural importance

Geography

- National Parks & World Heritage Sites- geographic features, location & cultural importance
- Geographic locations, physical and human features of countries discussed this year



VISUAL ARTS

- Complete art projects that are closely connected to the Units of Inquiry
- Learn to communicate feelings and emotions through color (warm and cool colors)
- Sculpt clay faces, mix colors with paints and collage materials to explore line and shape
- Complete projects connected to art history and culture
 - Ancient Civilizations and architecture
 - Great Pyramids of Giza
 - The Sphinx
 - Great Wall of China
 - Taj Majal
- Study and create works in the style of famous artists