

# McDowell Elementary

## First Grade Curriculum

### READING

- **Phonemic Awareness**
  - recognize and produce rhyming words
  - recognize and produce beginning sounds
  - blend phonemes
  - segment, count syllables in spoken words
  - manipulate phonemes
- **Concepts of Print**
  - understand that print conveys meaning
  - understand how print is organized/read
  - name and match all uppercase and lowercase letter forms
  - capital at the beginning of a sentence
  - recognize use of all capital letters
  - recognize end punctuation
  - match spoken words to print
- **Phonics/Decoding Skills/Decoding Longer Words**
  - initial consonants
  - final consonants, double consonants
  - short vowels
  - apply phonics/decoding strategy
  - recognize high-frequency words
  - consonant clusters
  - consonant digraphs
  - CVC, CVCe, other patterns
  - long vowels, vowel pairs
  - r-controlled vowels
  - possessives
  - contractions
  - compound words
  - syllabication patterns
- **Comprehension skills**
  - distinguish between fantasy/realism
  - compare and contrast
  - predict outcomes
  - understand sequence of events
  - recognize story structure
  - determine cause and effect
  - determine text organization
  - draw conclusions
  - categorize and classify
  - note important details
  - recognize main idea, topic and supporting details
  - follow directions, oral and written
  - make inferences
  - make judgments
  - solve problems/make decisions
  - make generalizations
  - understand genres
- **Comprehension Strategies**
  - predict/infer
  - summarize

- phonics/decoding
- evaluate
- question
- monitor/clarify
- **Reading fluency**
  - read fluently at appropriate rate
- **Information/Study Skills**
  - use a dictionary/glossary
  - use the library
  - use graphic organizers
  - read/use charts, tables, graphs, schedules, time lines, diagrams, calendars
  - follow directions
  - locate/use parts of a book
  - use print references
  - take notes
  - use newspapers/magazines
  - select and evaluate sources
- **Test-Taking Skills**
  - answering phonics items
  - answering multiple-choice items
  - completing fill-in-the-blank items
  - writing an answer to a question
  - writing a personal response
  - writing a personal narrative

### **SPELLING/VOCABULARY**

- **Spelling**
  - build words with short vowels
  - recognize sound and letter patterns
  - understand word structure
  - spell words frequently misspelled
- **Vocabulary**
  - recognize and read high-frequency words
  - vocabulary expansion
  - content-area words
  - alphabetical order to third letter
  - antonyms
  - synonyms
  - homophones
  - multiple-meaning words
  - compound words

### **WRITING AND LANGUAGE ARTS**

- **Grammar, Usage, and Mechanics**
  - punctuation
  - capitalization
  - complete sentences
  - types of sentences
  - subjects and predicates
  - nouns
  - verbs
  - present, past, and future tense
  - subject-verb agreement
  - irregular verbs
  - adjectives
  - comparisons

- pronouns
- **Writing Process**
  - engage in modeled, shared, interactive writing
  - independent writing
  - use the five-step writing process
- **Writing Skills**
  - read as a writer
  - use technology
  - writer's craft skills
- **Prewriting Skills**
  - choose a topic
  - organize and plan
  - use graphic organizers
  - discuss
  - consider audience and purpose
  - take notes
- **Drafting Skills**
  - write a good beginning, middle, and end
  - organize ideas in logical order
  - use details, facts, examples
  - state topic/purpose
  - find/evaluate information
- **Revision Skills**
  - tell more
  - elaborate/expand sentences with details
  - use exact words
  - self-assessment
  - conference
- **Proofreading Skills**
  - capitalize/punctuate
  - use complete sentences
  - 3-5 sentences in paragraph
  - spell accurately
  - use correct grammar and usage
- **Modes of Writing**
  - write in a journal
  - write a letter
  - write a story
  - write poetry
  - do descriptive writing
  - write instructions/directions
  - write in a variety of forms
  - write a personal narrative
  - write a research report
  - use persuasive writing
  - expository writing
- **Traits of Writing**
  - ideas
  - organization
  - word choice
  - conventions
  - presentation
- **Listening/Speaking/Viewing**
  - compare information
  - listen for comprehension
  - retell/summarize/report
  - listen for information
  - listen to/read aloud poetry

- participate in group discussion/conversation
- tell a story/retell a story
- listen to a story
- give and follow directions
- view illustrations
- view/evaluate media, information, and art
- dramatize
- visualize
- use nonverbal cues
- participate in reader's theater/choral reading
- deliver a presentation/speech/report
- resolve a conflict, problem
- dictation

## **MATHEMATICS**

- **Numbers and Operations-*Number Sense and Numeration***
  - counts by 1's, 2's, 3's, 5's, 10's, 25's, 100's
  - count backwards
  - counts and groups numbers in tens and ones
  - uses expanded form to represent numbers
  - writes digits 1-1000
  - reads and writes whole numbers to at least 1000, 3-digit numbers
  - identifies numbers on a hundred number chart
  - compares 1- and/or 2-digit whole numbers
  - compares 3-digit or larger whole numbers
  - orders 1- and 2-digit whole numbers
  - orders 3-digit or larger whole numbers
  - round numbers to the nearest 10
  - identifies place value for each digit in numbers to 1000
  - represents 2- and 3-digit whole numbers using concrete materials and/or pictures
  - estimates and counts collections of objects
  - represents equivalent forms of the same number
  - renames numbers using regrouping
  - compares sets of objects and identifies sets with more, less, and the same
  - identifies sets with the greatest and least number of objects
  - identifies even and odd numbers
  - identifies pairs
  - identifies ordinal position
  - identifies multiples of a number
  - identifies factor of a number
  - identifies rational numbers from pictures and draws pictures to show rational numbers
  - locates rational numbers on a number line
- **Numbers and Operations-*Concepts of Whole Number Operations***
  - shows the meaning of addition and subtraction
  - uses manipulatives to model and solve addition problems
  - uses pictures to model and solve addition problems
  - writes number sentences to show addition and subtraction
  - identifies addends and sums
  - identifies and uses the commutative and associative properties of addition
  - writes addition and subtraction fact families
  - shows the meaning of multiplication and division
  - uses manipulatives to model and solve multiplication and division problems

- uses pictures to model and solve multiplication problems
- uses number sentences to show multiplication and division
- identifies factors and products
- makes, labels, and writes number sentences for an array
- identifies the properties of 0 or 1 in multiplication and/or division
- **Numbers and Operations – *Whole Number Computation***
  - masters addition facts to 18
  - identifies missing addends
  - identifies one more and one less than a number
  - identifies ten more and ten less than a number
  - estimates a sum
  - adds using mental computation
  - adds three or more single-digit numbers
  - adds 2-digit numbers without regrouping
  - adds two 2- or 3-digit numbers
  - adds three or more multidigit numbers
  - uses estimation to check the reasonableness of calculated results
  - uses concrete objects or pictures to subtract single-digit numbers
  - masters subtraction facts with minuends to 18
  - estimates a difference
  - subtracts using mental computation
  - subtracts 2- or 3-digit numbers
  - checks subtraction answers using addition
  - multiplies by 10, 100, 1000 and/or 10,000
- **Numbers and Operations – *Fractions and Decimals***
  - identifies one half and/or one fourth of a whole
  - identifies a fractional part of a whole
  - writes a fraction to show a part of a whole
  - finds half of a set of objects
  - identifies a fractional part of a set
  - writes a fraction to show a part of a set
  - identifies equivalent fractions
  - represents and writes mixed numbers
  - compares fractions
  - adds money amount (decimal)
  - subtracts money amount (decimal)
- **Numbers and Operations – *Money***
  - identifies and counts pennies, dimes, nickels, quarters
  - finds the value of a set of coins
  - selects coins for a given amount
  - makes change from \$1.00, \$5.00, \$10.00
  - reads and writes money amounts to \$10.00
- **Measurement**
  - identifies today's date
  - writes the date using digits
  - identifies yesterday, today and tomorrow
  - identifies morning, afternoon, evening, and night
  - identifies a.m., p.m., noon, and midnight
  - identifies days of the week and months of the year
  - identifies weekdays and days of the weekend
  - identifies dates on a calendar
  - tells and shows time to the hour and half hour
  - tells and shows time to the 5-minute interval and /or minute
  - tells and shows time to the quarter hour
  - identifies equivalent units of time
  - finds elapsed time
  - identifies cold, cool, warm and hot
  - reads a Fahrenheit thermometer

- identifies common temperatures
- estimates length or distance
- compares the length or height of objects
- orders objects by length or height
- measures length or distance using nonstandard units
- measures length using customary units (inch, foot, yard)
- draws line segments using customary units (inch)
- measures length using metric units (centimeter, millimeter, and meter)
- draws line segments using metric units (centimeter, millimeter)
- compares and orders objects by weight (mass)
- estimates weight (mass)
- weighs objects using nonstandard units
- identifies units of mass
- weighs objects using customary or metric units
- estimates capacity (volume)
- identifies and uses measuring cups
- compares and /or orders containers by capacity
- identifies customary and/or metric units of capacity
- measures capacity
- follows a recipe and measures
- compares and orders objects by size
- finds area using nonstandard units
- estimates area
- finds area of a rectangle
- finds perimeter of a polygon
- **Geometry**
  - identifies right and left
  - uses positional words and phrases
  - identifies first, last, between and middle
  - makes and covers designs with pattern blocks or tangrams
  - makes and copies designs on a geoboard
  - creates, identifies, and /or draws congruent shapes, designs, and/or line segments
  - identifies and/or creates similar shapes
  - identifies, describes, sorts, and/or compares geometric shapes
  - identifies angles and sides
  - identifies, describes, and classifies polygons
  - identifies horizontal, vertical, and oblique line segments
  - identifies right angles
  - identifies, describes, sorts, compares, and/or constructs geometric solids
- **Transformation and Symmetry**
  - identifies and draws a line of symmetry and/or creates symmetrical designs
  - explores, identifies, and/or shows transformations: translations, rotations, and reflections
- **Patterns, Algebra, and Functions**
  - identifies, reads, and extends patterns
  - identifies the missing shape or design in a repeating pattern
  - identifies the missing number in a sequence
  - constructs a number line and/or locates points on a number line
  - locates and graphs points on a coordinate graph
  - uses comparison symbols (greater than, less than, equal to)
  - represents an unknown using a symbol
  - writes and solves a number sentence for a problem involving addition or subtraction
  - creates problem for addition and subtraction number sentences
- **Statistics, Data Analysis and Probability**
  - sorts and classifies objects

- identifies a sorting rule
- tallies
- conducts a survey and/or records data
- graphs a picture on a pictograph
- identifies most, fewest, and/or same on a graph
- draws and reads a pictograph
- draws and reads a bar graph
- draws and reads a bar graph with a scale greater than 1
- draws and reads a line graph
- draws and reads a Venn diagram
- writes observations about graph
- describes the likelihood of an event
- predicts the outcome of a probability experiment
- conducts a probability experiment
- classifies and categorizes
- looks for a pattern
- makes predictions
- identifies important/unimportant information
- acts out a problem or makes a model
- draws a picture
- guesses, checks, and revises
- uses logical reasoning
- writes a number sentence
- substitutes simpler numbers
- **Communication**
  - questions and responds
  - works with partners or in a group
  - writes about math
- **Mathematical Reasoning**
  - recognizes patterns
  - classifies and sorts
  - solves spatial problems
  - estimates
  - explains an answer
- **Connections**
  - connects math to everyday life
  - connects math to science

## SOCIAL STUDIES

- **History**
  - links to the past and how we know – parents and grandparents, family histories
  - empathy
  - time and chronology – understand and use time sequence terms
  - cause and effect – changes in community
  - continuity and change – in community
  - interrelatedness – of geography with history
  - women, minorities – diversity of people
- **Geography**
  - location – home, school, community
  - place – map locations, identify and analyze microenvironments
  - human-environment interaction
  - movement – movement of goods and people
- **Economics**
  - basic concepts – how needs are met, community jobs
  - exchange systems – trade of surpluses
  - basic economic questions – distribution of goods from production to

- market
- interdependence – interdependence of producers and consumers
- **Culture**
  - cultural understanding
  - cultural complexity
  - similarities and differences
  - literature and the arts
  - myths and legends
- **Social and Political Systems**
  - belonging to a group – identify public/private sectors
  - law – recognize and observe the need for rules
  - global interdependence – recognize interdependence
- **National Identity**
  - pluralism – recognize national identity and diversity of U.S. citizens
  - democracy
  - American ideals and symbols – learn national symbols, Pledge of Allegiance, patriotic songs, flag
- **Constitutional Heritage**
  - balance of power – fair treatment of all
- **Citizenship**
  - individual and state
  - democratic behavior
  - human rights – develop respect for others
  - settlement of disputes
- **Study Skills**
  - collecting information – learn book parts, picture dictionary
  - organizing information – identify and make categories
  - presenting information – tell events in sequence
- **Visual Learning**
  - observation – school, neighborhood
  - timelines – read and make simple timelines, graphic organizers, graphs, diagrams
  - interpretation – gather information and respond to photos, illustrations, fine art
  - symbols – national symbols, flag
  - visual self-expression
- **Map and Globe Skills**
  - symbols – compare maps, photos, and real environment
  - location – use simple locational terms
  - direction – orient self in space, use directional terms
  - scale and distance – judge relative sizes, distances
  - construction and use – construct 3-D maps of community, neighborhood
- **Critical Thinking**
  - define and clarify – formulate questions
  - evaluate and judge – sequence of events
  - solve and conclude – identify cause and effect, draw conclusions based on evidence
- **Social Participation**
  - interpersonal – develop self-respect, confidence, good listening skills
  - group work – show willingness to participate in group activities, accept group decisions

## SCIENCE

- **Living and Nonliving Things**
  - How do my senses help me learn?
  - What are living and nonliving things?
- **All About Plants**
  - What are the parts of a planet?

- How do plants grow?
- What do plants need?
- **All About Animals**
  - What do animals need?
  - What are some kinds of animals?
  - What are insects?
  - How do animals grow?
  - How does a butterfly grow?
  - How does a frog grow?
- **Plant and Animals Need One Another**
  - How do animals need plants?
  - How do animals help plants?
  - How do we need plants and animals?
- **A Place to Live**
  - What lives in a forest?
  - What lives in the desert?
  - What lives in a rain forest?
  - What lives in the Ocean?
- **Measuring Weather**
  - What is weather?
  - What is temperature?
  - What is wind?
  - What makes clouds and rain?
- **The Seasons**
  - What is spring?
  - What is summer?
  - What is fall?
  - What is winter?
- **Investigate Matter**
  - What can we observe about solids?
  - What can we observe about liquids?
  - What objects sink or float?
  - What can we observe about gases?
  - How can we change objects?
  - What happens when objects are taken apart?
- **Heat and Light**
  - What is heat?
  - How does heat change matter?
  - What is light?
  - What can light do?
- **Pushes and Pulls**
  - What makes things move?
  - What are some ways things move?
  - Why do things move the way they do?
  - How do objects move on surfaces?
  - How do wheels help objects move?
- **Magnets**
  - What are magnets?
  - What are the poles of a magnet?
  - What can a magnet pull through?
  - How can you make a magnet?

### HANDWRITING

- neatness
- review printing

### OTHER

- Book Reports – oral and written

- Research Reports
  - cover, picture, paragraph
  - nocturnal animals and African animals
- Oral Skills
  - Oral sharing
  - Presentations