



The Barbereux School

First Grade Curriculum

Language Arts: Reading

Learning Objectives:

- Use new words acquired through reading in written work and oral language.
- Become aware of correct language patterns.
- Continue development of phonemic awareness.
- Develop phonic skills-
 - Consonants and long and short vowels
 - Numbers of syllables in a word
 - Consonant and vowel digraphs
 - r-controlled vowels
 - hard and soft c and g
 - consonant blends
 - beginning long vowel patterns.
- Begin to recognize compound words and parts of words (suffix, root, prefix).
- Begin to recognize and understand contractions, plurals, and possessives.
- Begin to use reading/word identification strategies such as context clues, phonics, semantics, and syntax.
- Read sight words automatically.
- Understand synonyms and antonyms.
- Build sight word vocabulary and use specialized vocabulary from other subject areas.
- Recall prior knowledge by sharing personal experiences and information gained from literature and other media.
- Learn distinguishing characteristics and differences among fiction, non-

fiction, poetry, biographies, fairytales and folktales.

- Formulate questions and make predictions related to text.
- Use descriptive/background information in stories to judge and evaluate key information and characters.
- Identify the elements of stories; i.e., main idea, characters, setting, plot, cause and effect, author, title.
- Apply sequencing reading comprehension.
- Communicate ideas inspired by materials read.
- Use different types of comprehension, such as literal, interpretive, evaluative, integrative.
- Evaluate a literary work and justify responses from a personal viewpoint.
- Demonstrate an active interest in reading and listening to stories.
- Establish personal/general purposes for practicing/perfecting the art of reading.
- Increase reading fluency and rate.

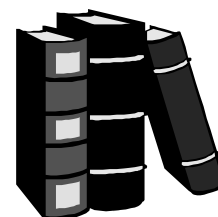
Examples of Activities:

- Respond to literature through art, drama, music, writing, puppetry, oral reading, reciting.
- Create class stories based on the patterns of books read.
- Share personal responses to books with other students in a variety of ways.
- Listen to literature read aloud.
- Read literature aloud with teacher, peers, and independently.

- Participate in story time with teacher and whole or small groups, during which literature is read and discussed.
- Listen to teacher read from non-picture books to increase comprehension skills.
- Read at home for pleasure, information, and appreciation.
- Listen to and read American literature as well as literature from other cultures.
- Retell stories in own words.
- Discuss how stories read relate to self, family, friends, school, community, and the world.
- Write and produce individual books on various topics.
- Share books from home and take books home.

Genres Studied:

- Folktales and Fairytales
- Animal books
- Periodicals/newspapers related to curriculum
- Picture books
- Fiction
- Nonfiction
- Poetry



Language Arts: Writing

Learning Objective: Write Effectively

- Write for a variety of purposes.
- Choose a topic, gather information and write.
- Write for a variety of purposes.
- Learn to organize ideas.
- Learn to develop ideas into sentences.
- Develop short stories.
- Edit class stories.
- Share writing with others.
- Begin to use periods, commas, exclamation points, question marks, apostrophes and capitalization correctly.
- Use resources to find unfamiliar words, define words, spell correctly, and find the best words to use.
- Develop sense of identity and conscious worth through the writing process.
- Create pieces using factual information.
- Express own ideas in creative writing.

Learning Objective: Spelling

- Use inventive spelling.
- Spell sight words and phonic pattern words correctly.
- Begin to study vowel patterns, blends, and digraphs and identify

words which contain them.

- Make plurals by adding “s” and “es.”
- Begin using possessives.

Learning Objective: Handwriting

- Work toward improved legibility in manuscript.
- Learn consistent letter formations and spacing in manuscript.

Learning Objective: Grammar

- Work toward use of conventional grammar in writing and speaking.

Examples of Activities:

- Write for a variety of purposes, using a variety of formats including stories, short reports and poetry.
- Keep a daily journal of ideas and activities.
- Write chart stories, lists, etc., with whole group and in small groups.
- Receive instruction in grammar, spelling and writing mechanics, with whole group, in small groups and individually (to meet individual developmental level of each student).
- Write and create books, with the

class and individually, on a variety of topics.

- Share individual compositions with peers, teachers and families.
- Play letter, word, and language games under teacher direction during class and without teacher during free-play.
- Compose letters to communicate with families and friends.



Language Arts: Speaking and Listening

Learning Objective: Speak Effectively

- Begin to identify various purposes for speaking.
- Use standard English in a manner that is appropriate for age level.
- Develop a vocabulary that is appropriate for age level.
- Participate in various informal and formal speaking situations.
- Use language to communicate wants and needs.
- Communicate new information learned.
- Participate in class discussions.

Learning Objective: Listen Effectively

- Identify various purposes for listening effectively.
- Recall content of messages received.
- Use appropriate audience/listener responses.
- Develop strategies for good listening.
- Ask appropriate questions of a speaker.
- Demonstrate ability to comprehend speech and meaning in various formal and informal situations.
- Follow 2-3 step directions accurately.
- Establish courtesy in conversation: give others a chance to share, state differences of opinion in respectful ways, speak to all members of the group, maintain eye contact during communication.
- Listen to stories to increase comprehension skills.

Examples Of Activities:

- Show and tell.
- Observe and discuss works of art: line, form, color, shape, etc.
- Discuss the current day's activities; e.g., what was enjoyed, what happened, what didn't happen.
- Read selections of literature and elicit interpretive responses.
- Play audio and video recordings of stories or songs using a variety of English dialects from different regions of the US.
- Maintain a growing list of synonyms for frequently spoken words.
- Establish courtesy in conversation: give others a chance to share, state differences of opinion in respectful ways, speak to all members of the group, maintain eye contact during communication.
- Conduct brainstorming sessions.
- Retell stories in sequence.
- Listen to, bring or tell the joke or riddle of the day.
- Create add-on stories with peers.



Mathematics

(We use the University of Chicago Math Program, “Everyday Math”)

Number Sense:

Learning Objectives:

- Count to 100.
- Count by twos, fives, and tens to 100.
- Use ordinal numbers.
- Use strategies for adding and subtracting, such as counting up and back, doubling, halving.
- Identify one half, one third, one fourth using models and symbols.
- Use manipulatives to find sums of basic facts up to 18 and begin memorization.
- Add three one-digit numbers to 18.
- Add two-digit numbers without renaming them.
- Subtract without renaming numbers.
- Learn to use estimation techniques to determine reasonable quantities.
- Know place values to 100's.
- Understand and use the symbols $<$, $>$, and $=$.
- Read and write 2- and 3-digit numbers.
- Create and recognize number sentences.
- Compare number values to one another.
- Recognize odd and even numbers.
- Understand the concept of zero.
- Understand multiplication.

- Begin decimal concepts.

Money

Learning Objectives:

- Add coins needed to make a given amount up to one dollar.
- Identify currency and coins.
- Use coins to solve money problems.

Time

Learning Objectives:

- Identify times of day on the hour, the half hour and five-minute interval.
- Solve simple problems of elapsed time.

Statistics and Graphing

Learning Objectives:

- Understand simple patterns based on numerical, geometric, or physical properties of things.
- Collect and record observations of data over periods of time.
- Display and analyze data in a variety of methods.
- Make and interpret and make pictographs and bar graphs.
- Use proper terminology to discuss data and graphs.

Probability

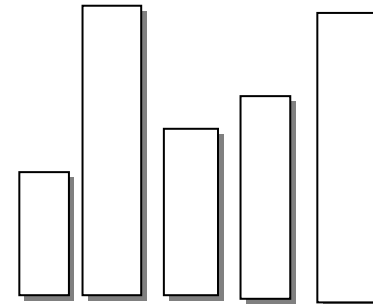
Learning Objectives:

- Discuss possible and actual outcomes or events and categorize them as more predictable or less predictable.

Geometry

Learning Objectives:

- Identify and create square, rectangle, triangle, quadrilateral, pentagon, trapezoid, hexagon, octagon, and parallelogram.
- Identify circles, ovals, ellipses.
- Identify congruent and symmetrical figures.
- Begin to identify 3-dimensional shapes.
- Begin to learn concepts such as parallel and perpendicular.

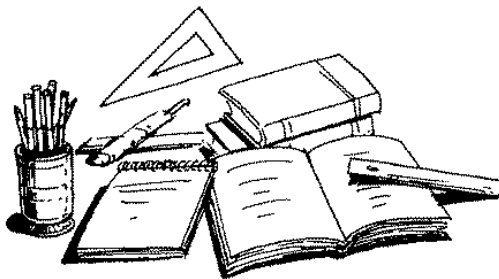


Mathematics

Measurement

Learning Objectives:

- Identify a sensible temperature in a given situation using the Fahrenheit scale.
- Measure length in centimeters and inches.
- Measure capacity in cups, pints, quarts, half gallons, and gallons.
- Measure weight in pounds.
- Become aware of the elements of the metric system and measure weight in kilograms.
- Understand equivalent relationships such as “2 cups = 1 pint.”
- Use and read a scale to determine the weight of objects.
- Know and recite the days of the week and the months of the year.
- Read and use a monthly calendar.



Technology

Learning Objectives:

- Use calculators for math computation.



Examples of Activities:

- Use a variety of math and sorting manipulatives daily; include puzzles, shapes, peg boards, Unifix cubes, etc.
- Use measuring tools daily; include rulers, scales, kitchen tools; improvise measuring devices.
- Play a variety of age appropriate board and card games.
- Use math throughout the day such as when setting the snack table or taking attendance.
- Listen for math terms and ideas used as teacher and peers engage in daily conversation.
- Participate in cooking and baking projects.
- Participate in daily math exercises, created to meet individual level of each student, that focus on developing particular math skills.
- Participate in critical and creative thinking games, exercises, puzzles, etc.; some introduced by teacher and some created by students individually and collectively.
- Apply math concepts and relationships in other subject areas.

Social Studies

(Kindergarten and first grade do the same science and social studies units. Children who attend two years, do not repeat duplicate activities.)

Learning Objectives:

- Become aware of social and cultural diversity in the world.
- Discuss and explore how to think about and seek solutions to present and future social and political problems.
- Distinguish between past, present, and future.
- Develop ability to make decisions based on exemplary values.
- Explore various ways and means to go about solving problems.
- Learn what a responsible citizen is and how to be one in school, community, and the world.
- Understand basic principles of government such as leadership, fairness, and cooperation.
- Understand simple economic principles, such as buying/selling, trading, and integrity.
- Understand simple geography concepts such as city, state, country, continent, and oceans.
- Demonstrate an awareness of our community and its participants/workers.
- Know address and phone number.

Units:

- Prominent, historical, and contemporary figures.
- Our country and its symbols.
- Sources and types of food, clothing, shelter.
- Geography (maps and basic geography features).
- History of neighborhood and country.
- Community Workers.
- Local and National Holidays.
- Families.
- Native Americans.



Examples of Activities:

- Celebrate cultural holidays that are meaningful to one or more of the children/teachers.
- Create a class cultural book, which includes a page about each family or each culture represented in the class.
- Read and discuss simple books about cultural holidays, foreign cultures, and diversity..
- Explore the diversity of classroom and world through posters, artwork, songs, books, and play items.
- Discuss and/or invite parents to come speak about or demonstrate appropriate cultural/family activities.
- Participate in voting activities.
- Role play commercial activities such as buying and selling.
- Use a variety of maps as references.

Science

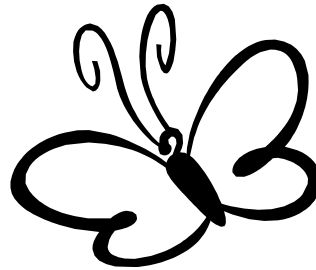
Learning Objectives:

- Learn distinguishing characteristics of non-living and living things.
- Acquire skills of scientific observation.
- Understand the concept and process of cause and effect.
- Make predictions; discuss whether they are based on personal experience, scientific fact or speculation/intuition.
- Learn to question: Utilize inherent sense of wonder to formulate scientific hypotheses.
- Understand and practice the process of experimentation: hypothesis, test, conclusion.
- Analyze, question and evaluate data.
- Recognize, appreciate, articulate and record scientific discovery.
- Begin to understand scientific classification.
- Use scientific language, tools, and technology.
- Learn and follow safety procedures.



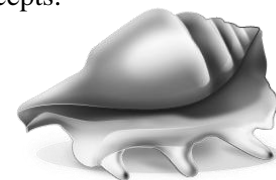
Examples of Units:

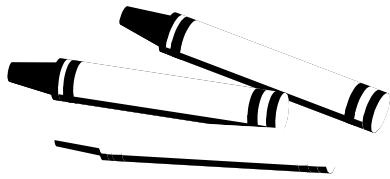
- Living versus non-living
- Solids, liquids, gasses
- Our earth and environment
- Conservation and Recycling
- Weather and seasonal cycles
- Hygiene and nutrition
- Force and motion
- Simple machines
- Astronomy
- Biology and ecology (species and classes of animals)
- Plants



Examples of Activities:

- Nature walks throughout the year (During each walk, discuss what we discover. Back at school, extend activity by reading books about what was discovered, drawing pictures or creating a class book from pictures.)
- Maintain a science table for items to explore or research such as rocks, seashells, flowers, plants, seeds.
- Grow seeds inside and transplant them in late spring.
- Participate in baking/cooking projects every other week.
- Make “play dough” once a month and observe the changes.
- Pursue in-depth science activities that correlate with the current unit.
- Use fiction and non-fiction books, charts, discussions and experiments to explore topics/units in depth.
- Make models of scientific objects.
- Role play and illustrate scientific concepts.





Art

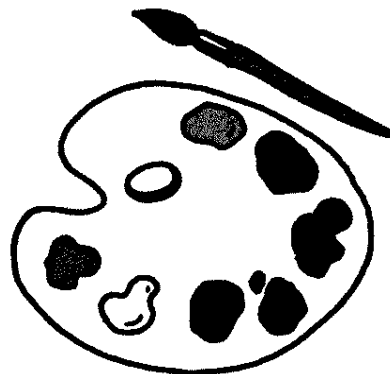
Learning Objectives:

- Identify elements/principles of design.
- Demonstrate skills necessary to produce visual art.
- Use appropriate vocabulary to describe art.
- Recognize processes and tools.
- Be familiar with artwork representing historical periods and styles.
- Recognize art forms that are important to a variety of cultural traditions.
- Be introduced and engaged with a variety of art media.
- Acquire a sense of pride about their art accomplishments.
- Use creative arts as an avenue for self-expression.
- Learn about famous artists and their work.

Examples of Activities:

- Explore mediums of paint, including oils, watercolors, tempera, fingerpainting.
- Create original designs for printmaking and produce prints.
- Create 3-D sculptures using various materials.
- Use clay to create objects through hand coiling and pinching.
- Explore techniques of drawing from life objects and imaginative design using pencil, pen, charcoal, marker, pastels, colored pencils and crayon.
- Use various media to create group and individual collages.
- Construct structures using various building materials.

- Use various media to create large-scale cooperative murals.
- Observe, discuss, compare and replicate various works of art from diverse sources and historical periods.



Music & Drama

MUSIC GOALS:

- Learn to appreciate and enjoy a variety of music.
- Develop a sense of rhythm, balance and pitch.
- Respond to music through singing, dance and movement.
- Learn and perform a wide repertoire of songs.



MUSIC ACTIVITIES:

- Move to music (piano or other instruments as well as recorded music) mimicking the movements of animals, forms of transportation and or using different gaits (skipping, hopping, galloping) to match the music.
- Sing with the piano, guitar, etc.
- Play rhythm sticks or other simple instruments to music.
- Participate in creative dance activities.
- Mimic rhythms by clapping hands, tapping rhythm sticks or other simple instruments.
- Draw to music.
- Free dance to music and learn simple dances.
- Play games or act out stories to music.

DRAMA ACTIVITIES:

- Role play characters from stories and real life situations.
- Interact with other children in role play situations.

DRAMA ACTIVITIES:

- Act out various rhymes and stories in a formal and informal manner.
- Create scenery and props to accompany role playing.
- Develop improvisation skills.



Social & Emotional



SOCIAL-EMOTIONAL GOALS:

- Recognize and name feelings.
- Express feelings appropriately.
- Learn how to treat adults and peers with respect.
- Communicate effectively and appropriately.
- Acquire good friendship skills such as sharing, taking turns, etc.
- Learn how to work and play cooperatively.
- Develop problem-solving skills.
- Develop self-reliance and self-control.
- Develop initiative and independence.
- Learn to follow classroom routines and rules.
- Develop a positive self-concept.
- Recognize and honor self-worth of others.



SOCIAL-EMOTIONAL ACTIVITIES:

- Talk about and continually model appropriate manners. Acquiring these skills is an ongoing process.
- Encourage the use of words instead of tears or physical means. We help them express to us what is wrong so we can help them solve problems.
- Teach problem solving skills by modeling how to resolve conflicts peacefully, giving suggestions when there is conflict, or allowing the children to contribute ideas on how a problem should be solved.
- Consistently read about and discuss friendship issues throughout the year.
- Include the children in creating and maintaining the classroom rules and resolving classroom conflicts.
- Provide activities where children can achieve success and help others achieve success.
- Empower children to make their own decisions appropriately.

Physical Development

PHYSICAL DEVELOPMENT GOALS:

- Develop a variety of large-motor skills such as galloping, jumping, climbing, pedaling, hopping and skipping.
- Develop fine motor control/skills.
- Develop attention span for age-appropriate activities.
- Know and apply the principles and components of health related fitness and nutrition.
- Learn how to play safely and prevent illness or injury.
- Understand the human body systems, how they function and interrelate.
- Acquire skills needed to take independent care for personal hygiene needs.

PHYSICAL DEVELOPMENT ACTIVITIES:

- Large Motor: Outdoor play, indoor games and music/rhythm activities.
- Small Motor: Cutting, stringing beads, puzzles, drawing, using pegboards, painting, doing lacing activities, etc.
- Attention span increases with age and a gradual exposure to longer and more complex group time as well as individual exposure to more complex activities.
- Regularly discuss and read about safety, fitness and health practices.

