

KINDERGARTEN CURRICULUM



READING/ LANGUAGE ARTS

Word Level Work

Phonological Awareness, Phonics and Spelling

Be able to rhyme by:

- Rhyming patterns
- Using new and invented words in speech and spelling
- Identifying alliteration

Know grapheme and phoneme correspondence by:

- Sounding and naming identifying initial sounds in words
- Reading letters that represent the sounds a-z, ch, sh, th
- Writing initial sounds in words that correspond to the sounds a-z, ch, sh, th
- Identifying and writing initial and final phonemes in Consonant-Vowel-Consonant (CVC) words

Word Recognition, Graphic Knowledge and Spelling

- Read 45 sight words from the Dolch High Frequency word list
- Read and write own name
- Recognize critical features of words: shape, height, spelling patterns

Handwriting

- Use a comfortable and efficient pencil grip
- Write on a line
- Write letters using the correct sequence of movements

Sentence Level Work

Grammatical Awareness

- Use awareness of grammatical conventions to predict a word during shared and when re-reading familiar stories
- Use a capital letter for the start of their name and at the beginning of a sentence
- Use periods

Text Level Work

Reading

- Use correct terms about books and print: book, beginning, end, back, cover, page, line, word, letter, title, author
- Track text in the right order, page by page, left to right, top to bottom

READING/ LANGUAGE ARTS

Reading Comprehension

- Use a variety of cues to read words in a story: knowledge of what makes grammatical sense, context
- Know the difference between a re-told story and what the exact words are in a book
- Re-read frequently a variety of forms of text: lists, big books, captions, own and other children's writing
- Re-enact or retell stories, recounting the main points in order
- Be aware of story structure: actions/reactions, consequences, build up, conclusion

Writing

SHARED WRITING

- Learn that writing can be used for many purposes: sending messages, recording ideas, informing, telling a story
- Understand that writing is formed in the same direction a word at a time
- Understand how letters are formed to make words
- Help the teacher to scribe and re-read what the class has written

GUIDED AND INDEPENDENT WRITING

- Write their name
- Write labels and captions for pictures and drawings
- Write sentences to match pictures or sequences of pictures in a story
- See how their version of words matches or differs from conventional spelling (on their own and with the help of a teacher)
- Think about and discuss what they want to write ahead of time
- Use stories and poems as a basis for independent writing
- Use writing to tell stories, write lists, send messages, recount their own experiences, write signs, greeting cards, record information and share information

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MATHEMATICS

Number Sense

- Use appropriate math vocabulary
- Develop multiple approaches to working with numbers
- Use a variety of concrete materials to demonstrate number relations
- Count, recognize, write, order and compare whole numbers and fractions
- Demonstrate an understanding and knowledge of addition and subtraction using multiple strategies
- Model and discuss the concrete representations of less than, greater than and equal to
- Use ordinal numbers
- Explore, discuss and solve addition and subtraction problems, using manipulatives, patterns and numbers
- Use manipulatives, coins and numbers in number sense form

Algebraic Thinking

- Identify, extend and create patterns in many forms
- Sort, classify and make comparisons and search for patterns while working with manipulatives, data and numbers
- Skip count by 2's, 5's and 10's
- Use and make predictions about repeating patterns
- Describe the relationship between addition and subtraction

Geometry and Measurement

- Identify coins and know their values
- Identify, describe and discuss likeness/differences between objects and collections
- Recognize shapes in different orientations
- Identify patterns in geometrical objects, such as symmetry
- Make and construct 2-dimensional shapes and models
- Estimate and use non standard and standard units to make measurements
- Use real objects as examples of quantity, space and shapes
- Introduction to time-telling: hour hand, minute, second

Data Analysis: Statistics and Probability

- Collect, display, sort and interpret data
- Use pictures and symbols to characterize and group objects and solve problems
- Make predictions about an event happening

SCIENCE

Scientific Methodology

- Use observation, measurement and comparison to describe physical properties
- Measurement tools
- Occupations in Science & Engineering relevant to IB units

Living Things

- Parts of a plant and requirements for growth
- Features of different habitats and how they provide for animals' basic needs
- Sort living things by physical characteristics & behavior
- Observe and identify components of a natural system (e.g. prairie)

Earth & Space

- Solar System & characteristics of the planets
- Relationship of Earth, Sun, & Moon
- Principles of weather and seasons
- Record weather observations

SOCIAL STUDIES

- Introduction to history through comparison to personal past & family history
- Purpose and use of calendars
- Health & Safety: bus, fire, pedestrian safety, strangers

Community & Government

- Civic skills in the classroom context: rules (laws)
- Individual rights, voting, discourse, problem solving
- Celebrations around the world

Economics

- Defining goods & services, needs vs. wants
- Origin and production of food

US History

- National holidays; US symbols and places; flag & Pledge of Allegiance

World History

- Mexico, states and culture

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SOCIAL STUDIES- CONTINUED

Geography

- Introduction to maps, globes, continents & bodies of water
- Human and physical characteristics places (e.g. structures, cities, etc.)
- Use maps to show where food is produced in US
- Personal address/location in context of safety

VISUAL ARTS

- Complete art projects that are closely connected to the Units of Inquiry
- Develop motor coordination
- Enhance awareness of the basic art elements: color, shape, line, texture
- Explore materials and techniques for a greater understanding of the creative process
- Study shapes by completing projects influenced by Henri Matisse and Alexander Calder
- Complete projects connected to the history of art e.g. Native American art - dream catchers
- Study and create works in the style of famous artists

