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Science, Technology, Engineering, Entrepreneurship, and Math (STEEM)

Students will be able to:

- develop perseverance when solving problems
- describe an engineer
- begin to understand the engineering design learning process

Instructional Technology

Instructional technology is an integral aspect of all Kindergarten classrooms. Technology is infused seamlessly and across curricular areas. Children participate in instruction supported by the following tools:

- interactive whiteboards
- document cameras
- Chromebooks/laptops
- Inspire Science
- connectED (Everyday Math 4)
- Schoology
- Typing Pal
- Zoom

PE/Health

Students will be able to:

- know and practice good personal hygiene routines
- develop healthy daily behaviors and activities: such as walking, mindfulness, brain breaks
- maintain balance while performing basic locomotor skills (e.g. galloping, skipping)
- perform yoga and stretching activities to enhance motor skill development
- perform basic object manipulation (e.g. drop a ball and catch it before it bounces twice).

Art

Students will be able to:

- form shapes
- use various art tools and materials to create designs and textures
- understand colors and their use in visual design
- create an original work of art using a variety of paint techniques
- choose materials to represent different textures

Music

Students will be able to:

- explore the elements of music using the following comparatives: fast/slow, loud/soft, high/low, same/different
- demonstrate steady beat using body percussion, classroom percussion and movement
- develop an age appropriate repertoire of music for different seasons, cultures, & celebrations
- use different "types" of voices : vocal expression
- categorize the instruments of the orchestra

Media/Information Literacy

Students will be able to:

- follow procedures for selecting, borrowing and returning print and digital library materials
- understand the basic organizational structure of books
- view and listen to a variety of fiction and non-fiction for enjoyment and information
- distinguish between fiction and non-fiction resources
- retell stories and make predictions with prompting and support



Kindergarten

Curriculum Expectations
2020-21

Welcome to Kindergarten!

"Play is often talked about as if it were a relief from serious learning. But for children play is serious learning. Play is really the work of childhood."

- Mr. Rogers

We are filled with excitement as we embark on another year of full day kindergarten! This year your child will engage in daily reading, writing, and math instruction to guide them as they grow. The kindergarten academic program is balanced with playful and social learning opportunities.

This brochure outlines what your child should be able to do by the end of their kindergarten year. We look forward to the opportunity to watch the children play, learn, and grow together!



Mathematics

Students will be able to:

- fluently add and subtract within 5
- solve addition and subtraction number stories
- compose and decompose numbers through 19
- compare and order numbers through 19
- count a set of 20 objects
- count/ write to 100
- count/ write by 10s to 100
- identify and sort 2D and 3D shapes
- compose simple shapes to form larger shapes
- interpret a simple graph
- engage in various hands-on activities and games related to a range of mathematical topics, including counting, numeration, addition and subtraction, geometry and measurement
- play math games virtually and/ or with classmates
- identify coins and their values, along with ways to earn and save money



Literacy

Students will be able to:

Reading

- recognize upper and lowercase letters
- show an understanding of proper book handling and concepts of print (front and back of book, title, author, text reads from left to right)
- acquire and apply phonemic awareness through rhyming and letter/ sound recognition
- recognize and use high frequency words
- identify differences between fiction and non-fiction texts
- retell using story elements, including details
- infer character's feelings
- begin to use various strategies to decode text
- begin to read with fluency and accuracy
- begin to self-monitor and self-correct
- begin to develop reading stamina

Writing

- generate ideas for writing independently
- know that writing is a way to communicate meaning
- with guidance, participate in the steps of the writing process
- use pictures and sentences to write a sequenced narrative with multiple parts
- write all upper and lowercase letters and numerals correctly
- spell words phonetically with all consonant sounds and some short vowel sounds
- generally space letters and words correctly
- recognize that authors write for different purposes
- begin to develop writing stamina

Listening and Speaking

- speak audibly
- express thoughts, feelings, and ideas clearly in small and large groups
- follow agreed-upon rules for discussions (taking turns, listening to others, raising hand to speak)



Social Studies

Students will be able to demonstrate an understanding of:

- citizenship
- holidays
- family and friends
- community helpers
- the United States



Science

Students will be able to participate in investigations and communicate understandings orally and/ or through drawing/ writing in the following areas:

- plants
- animals
- weather patterns
- the sun
- motion
- the engineering and design process



World Language

Students will be able to develop language basics in Spanish focusing on:

- simple greetings and goodbyes
- questions and answers
- numbers 1-10
- Spanish vocabulary in the areas of colors, clothing, school and animals