

010110
110011
101000
0001

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

Students will be able to:

- use the engineering design learning process to solve real problems collaboratively
- practice original and creative thinking
- persevere when solving problems
- participate in literature based STEM challenges (Storybook STEM units)

Instructional Technology

Instructional technology is an integral aspect of all first grade 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
- engage in healthy behaviors & activities: taking walks, mindfulness, brain breaks,
- demonstrate a mature pattern when performing basic locomotor skills (galloping, skipping, etc.)
- maintain stillness on basic non locomotor skills
- manipulate an object (e.g. catch a soft ball from a self-toss before it bounces)
- move in self and general space in response to designated beats and rhythms
- perform yoga and stretching activities

Art

Students will be able to:

- create sculptures using various materials
- differentiate between fine and graphic art
- create drawings/paintings using multi-media
- manipulate different art materials
- create a work of art based on observation of physical world

Music

Students will be able to:

- demonstrate proper use of voice and singing position
- distinguish between steady beat and rhythm
- sing using solfeggio hand signs for So, Mi and Do - pitch
- explore using music for storytelling
- develop a repertoire of age appropriate music for different seasons, cultures, and celebrations
- demonstrate audience and performance behaviors

Media/Information Literacy

Students will be able to:

- follow procedures for care of print & digital library materials
- recognize that fiction picture books are organized alphabetically by author's last name
- recognize that non-fiction books are organized by subject and associated with Dewey numbers
- listen to multicultural texts from various genres
- respect the original work of authors and classmates

Character Education

Social Emotional Learning

Students will be able to:

- develop decision making, communication, and life skills
- develop an understanding of character values such as respect, optimism, citizenship, kindness, and self-esteem
- learn the importance of empathy and how other people's feelings will influence their choices
- learn to foster positive friendships, and identify a coping skill to help them to regulate their emotions



Grade 1

Curriculum Expectations
2020-2021



Welcome to 1st Grade!

"But now I am six, I'm clever as clever.

So I think I'll be six for ever and ever."

~A.A. Milne

First grade is a time for dramatic changes and tremendous growth. This year, your child will learn to become a reader, author, mathematician, and scientist. This brochure outlines what your child should be able to do by the end of first grade.

We look forward to taking this journey with you and your child!



Mathematics

Students will be able to:

Daily Math Routines

- tally the days of school
- keep a calendar
- record the weather, temperature, and attendance
- identify coins and their values

Operations and Algebraic Thinking

- represent and solve problems involving addition and subtraction
- understand and apply the relationship between addition and subtraction
- add and subtract within 20
- work with addition and subtraction equations

Number and Operations in Base 10


- extend a counting sequence
- understand place value
- use place value to add and subtract within 100

Measurement and Data

- measure lengths
- tell and write time
- represent and interpret data

Geometry

- identify & explore shapes and their features



Literacy

Students will be able to:

Reading

- develop reading habits, stamina, and an identity as a reader
- read and understand a variety of grade-level materials including fiction and non-fiction
- use a variety of strategies to problem-solve and comprehend texts
- read for a variety of purposes (enjoyment, information, and research)
- retell stories including main idea, details, character, setting
- respond to texts in various ways
- develop partnerships for reading and discussing texts
- read with accuracy, fluency, and expression
- recognize features in non-fiction texts
- notice how characters act and change in stories
- think about authors and their writing styles

Writing

- develop writing habits, stamina, and an identity as a writer
- participate in the writing process from planning to publishing
- write texts for various audiences and purposes, including narrative, informational, and opinion writing
- generate ideas from experiences and mentor texts
- use a variety of strategies to ensure writing is easy to read
- use a variety of tools and resources to revise and edit

Language

- use conventional spelling for words with common spelling patterns and high frequency words
- use phonetic spelling for less common patterns and untaught words
- use grade-appropriate writing conventions
- recognize letter-sound correspondences, spelling patterns, and high frequency words
- use and apply grade-appropriate rules of phonics to aid in reading and writing

Speaking and Listening

- express ideas clearly and effectively
- communicate appropriately with peers and adults
- participate in classroom discussions and activities
- demonstrate active listening skills



Social Studies

Students will be able to demonstrate an understanding of concepts and participate in discussions and activities in the following areas:

- Looking At Our Neighborhood
- Identifying Neighborhood Needs
- Exploring Neighborhood Maps
- Exploring Globes
- Looking At Our Country
- Looking At Our World
- Local and Global Citizenship



Science

Students will be able to demonstrate an understanding of concepts and participate effectively in discussions and activities in the following areas

- Plants
- Animals & How They Communicate (including basic concepts of *Sound*)
- Light & Shadows
- Sky Patterns



World Language

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

- simple greetings and goodbyes
- questions and answers
- numbers from 0-10
- Spanish vocabulary in the areas of: colors, clothing, school and animals.