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

Students will be able to:

- incorporate the design learning process
- use visual programming language to create and implement a program
- create and design a game
- engage in creative thinking and design
- begin learning about entrepreneurship
- continue to developing coding skills with robotics

### Instructional Technology

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

- interactive whiteboards
- document cameras
- laptop and Chromebooks
- Google Suite
- Inspire virtual labs
- connectED (Everyday Math 4)
- Schoology
- Typing Agent
- Zoom



## Character Education/SEL

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
- implement social skills to foster positive relationships and regulate their emotions by using positive coping skills
- learn to identify their dreams to help strive for future plans, create a plan to achieve goals, and recognize their accomplishments

## PE/Health

Students will be able to:

- know and practice good personal hygiene routines
- engage in healthy behaviors and activities: taking walks, mindfulness, brain breaks
- perform a sequence of locomotor skills
- perform yoga and stretching activities to enhance motor skill development
- combine movement concepts (direction, levels, force, time) with skills as directed by the teacher
- balance on different bases of support, demonstrating muscular tension and extensions of free body parts

## Art

Students will be able to:

- create a work of art based on the style of different artists
- understand abstract vs representational form
- expand on use of elements of the arts and principles of design
- understand visual literacy as it pertains to technical arts
- develop an awareness of spatial perception

## Music

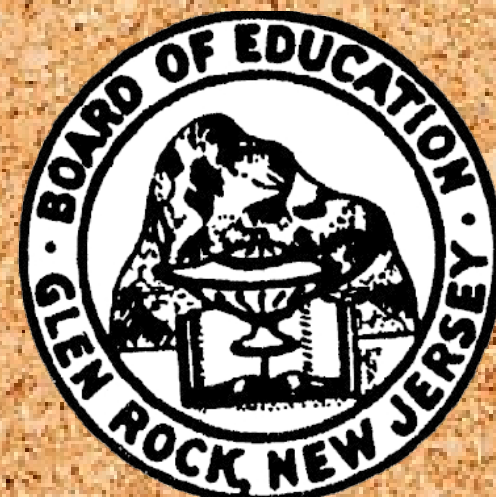
Students will be able to:

- develop recorder skills – breath control, playing position, articulation, fingering
- use the recorder as a tool to demonstrate reading and playing from traditional notation and recognizing and interpreting music symbols: staff, measures, etc
- develop a repertoire of age-appropriate music of different styles and origins
- practice self-assessment and reflection

## Media/Information Literacy

Students will be able to:

- use features of non-fiction as a guide to locate information
- write brief notes using appropriate sources and sort notes into provided categories
- credit sources by citing author, title and copyright date
- explore various genres based on personal interests and teacher guidelines
- examine text and illustration styles of books



# Grade 3

## Curriculum Expectations 2020-2021



## Welcome to 3rd Grade!

*"You are braver than you believe, stronger than you seem and smarter than you think."*

~ Christopher Robin

While all children learn in different ways, each child is expected to make progress in school every year. This brochure defines what your child should be able to do by the end of third grade in the areas of literacy, mathematics, science, social studies, spanish, STEEM, physical education/health, art, music, and media/informational literacy.

Third grade is a year of tremendous growth in independence. Establishing work habits that help each student achieve his/her personal best is an important goal. We look forward to an exciting year and hope that you will become familiar with the learning goals that have been established for your third grader.



## Mathematics

Students will be able to apply problem solving strategies:

- multiply and divide fluently within 100
- demonstrate an understanding of the relationship between multiplication and division
- use mathematical models to calculate elapsed time
- demonstrate an understanding of fractions as parts of a whole
- use fraction tools (visual model, number line, fraction cards) to generate two equivalent fractions, compare two fractions with like and unlike numerators and denominators and express whole numbers as fractions
- communicate mathematical thinking using accurate vocabulary
- understand concepts of perimeter and area and relate area to multiplication and addition
- represent and interpret data (tiling, bar graph, pictograph, line plot)
- make sense of and solve number stories using the four operations: addition, subtraction, multiplication and division
- fluently add and subtract within 1000 using strategies and algorithms based on place value, properties of operations, and/or the relationship between addition and subtraction
- develop personal financial literacy skills and awareness



## Literacy

Students will be able to:

### Reading

- use strategies to construct meaning, self-monitor and identify unknown words
- comprehend narrative and non-narrative text by activating prior knowledge, visualizing, questioning, drawing inferences and determining importance
- compare and contrast relationships among characters, events and key ideas within and across text to create a deeper understanding of what has been read
- explain how authors use titles, headings, subheadings, and table of contents to enhance understanding of supporting and key details of non-narrative text
- read aloud using expression, punctuation, pause and emphasis to attain accuracy and fluency
- demonstrate an understanding of the text through written responses that include text evidence, specific details, and/or supports a point-of-view with valid reasons

### Writing

- set a purpose and consider audience in order to generate, sequence and structure ideas when writing a variety of text
- apply a variety of drafting, revising and editing strategies for narrative and informational text.
- write narrative pieces e.g., retell a personal experience and create a fictional story
- write informational pieces demonstrating the understanding of central and supporting details
- exhibit individual style and voice to enhance the written message
- organize and construct a well-developed paragraph
- spell third grade high frequency words, use word patterns and resources to spell less frequently encountered words
- demonstrate stamina in independent writing

### Language

- apply patterns and generalizations to spell words
- write legibly in cursive writing
- identify and use subjects and verbs that are in agreement, nouns and possessives, commas in a series and use quotation marks in dialogue

### Listening/Speaking

- respond to multiple text types by reflecting, making connections, taking a position and sharing understanding
- listen, interact and contribute during class discussions
- ask focused questions during reports and presentations and respond to questions by providing an appropriate level of detail
- stay focused on topic and contribute appropriately



## Social Studies

Students will be able to:

- examine the concept of community (types of communities in the United States and around the world), immigration and celebrations of different cultures
- analyze the contributions of specific communities to the formation of the United States, its heritage, and its traditions
- engage effectively in a range of collaborative discussions with diverse partners on appropriate topics and texts
- describe features, history and characteristics of New Jersey



## Science

Students will be able to:

- participate in investigations in the following areas:
  - life science - Different Environments
  - earth science - Observing Weather
  - physical science - Forces Around Us
- demonstrate various quantitative approaches to collecting data
- conduct multiple trials of qualitative observations
- use engineering digital tools



## World Language

Students will be able to:

- develop Spanish vocabulary for food, body parts, family and friends
- engage in cultural activities related to Spanish countries and celebrations
- engage in Spanish reading, writing, listening and speaking on topics about the environment, professions and celebrations