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

Students will be able to:

- understand the importance and use of collaboration and communication by engineers
- further explore coding and debugging through robotics
- understand and practice the use of the design learning
- expand and re-purpose the use of technology
- practice skills used by entrepreneurs

Instructional Technology

Students will be able to:

- continue to develop proper keyboarding skills through the Typing Agent program
- use interactive whiteboard to enhance learning
- create presentations through Google Suite
- engage in virtual labs and participate in self-managed online learning and research
- access online curriculum resources such as ConnectEd (Everyday Math 4), Wordly Wise, Inspire, etc.
- access to Schoology,
- 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
- utilize positive social skills to nurture relationships with their peers and regulate their emotions by using positive coping skills
- learn to build self-esteem and to identify their strengths to help them accomplish their goals

PE/Health



Students will be able to:

- know and practice personal hygiene routines
- engage in healthy behaviors and activities - taking walks, mindfulness, brain breaks
- demonstrate locomotor skills such as running and skipping
- balance on different bases of support on apparatus, demonstrating levels and shapes
- strike an object with a short-handled implement

Art



Students will be able to:

- construct 3D sculpture using elements and principles of design
- understand the value of a positive art critique
- use varied media to create a drawing
- gain knowledge of art related careers
- practice various compositional approaches influenced by diverse cultures and historical eras

Music



Students will be able to:

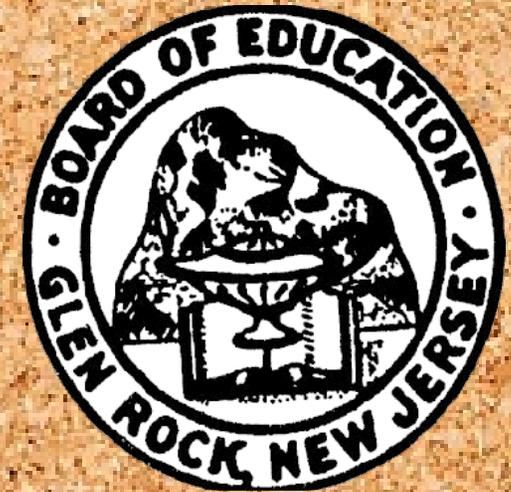
- learn about the Instrumental Music program opportunities
- maintain own part in two part songs (rounds, partner songs) - harmony
- develop a repertoire of age-appropriate music from different countries
- read and interpret traditional notation, including simple meter, pitch, and rhythms up to sixteenth notes
- discriminate between major and minor tonality
- learn about the life and music of a featured composer

Media/Information Literacy



Students will be able to:

- recognize features of various genres of literature
- take notes and organize notes into categories
- credit sources by citing author, title, publisher and copyright date
- analyze text and illustrations of award-winning books
- select and read various genres based on personal interest



Grade 4

Curriculum Expectations 2020-2021

Welcome to 4th Grade!

*"The more that you read, the more things you will know.
The more that you learn, the more places you'll go."*

~ Dr. Seuss

This brochure is designed to provide an understanding of the curriculum and expectations for 4th grade. Fourth graders are expected to develop greater independence by using various organizational and study strategies. Your child will acquire many skills needed to self-monitor and self-advocate. He/she will have the option to discover a love of music by learning an instrument. Fourth grade is an important year of growth and we look forward to supporting your child as he/she develops life-long learning skills.



Mathematics

Students will be able to:

- add and subtract multi-digit numbers both mentally and on paper
- understand place-value concepts from hundredths to millions, including concepts related to money
- use strategies and properties to multiply and divide a multi-digit number by a one-digit number
- use rounding to estimate sums, differences, products and quotients
- understand concepts of fractions, including adding, subtracting, equivalent fractions and mixed numbers
- understand decimal concepts including converting decimals to fractions, adding and subtracting, and comparing decimals
- calculate area and perimeter
- identify and measure angles and identify types of lines
- understand U.S. customary and metric units of measurement, convert measurements within customary and metric systems
- determine elapsed time
- create and interpret line plots using data
- apply grade-level skills to correctly solve multi-step word problems.
- use writing and speaking to communicate mathematical thinking
- develop financial literacy skills and awareness.



Literacy

Students will be able to:

Reading

- read and comprehend fiction and non-fiction texts
- demonstrate both literal and inferential comprehension
- identify and explain about characters, setting, plot, details, main idea and theme
- cite from text to support ideas
- identify genre of text
- read with fluency including expression, phrasing, rate and accuracy
- develop increased reading stamina over time
- discuss meaningful ideas with others
- use writing to demonstrate understanding

Writing

- use a Writer's Notebook to collect, organize and develop ideas
- develop organized and detailed paragraphs with varying types of sentences (e.g. question and dialogue)
- use grade-appropriate and genre-specific vocabulary to clearly express ideas
- consistently apply proper capitalization, punctuation and grammar
- use revision strategies including adding, deleting, moving and substituting to improve writing
- develop increased writing stamina over time

Language

- acquire and use general and domain-specific words
- apply appropriate grammar, sentence structure and punctuation
- consistently use spelling patterns, strategies and word meanings
- use figurative language
- write legibly in cursive and/or print

Speaking and Listening

- clearly articulate ideas using grade-appropriate vocabulary, conventions and sentence structure
- clearly ask and answer questions
- build on ideas presented by previous speakers
- acknowledge and incorporate new information presented by others
- paraphrase information presented visually, orally and/or graphically



Social Studies

Students will be able to:

- apply research skills to digital and print sources
- integrate information from multiple sources to write and/or speak knowledgeably about a topic
- cite sources accurately and appropriately
- apply note taking skills to research and learning
- participate in class discussions and small group activities
- collaborate with peers on research and/or projects

U.S.: Landforms, Geography, Map Skills, Eastern States, Central States, Western States

North American Explorers and Exploration



Science

Students will be able to:

- use scientific inquiry to conduct hands-on investigations and research
- record and evaluate data gathered using various tools
- express scientific ideas effectively using writing, discussion, and/or drawing

Life Science: Information Processing and Living Things; Structure and Function of Living Things; Information Processing and Transfer

Earth Science: Earth and Its Changing Features; Earthquakes.

Physical Science: Using Energy; Energy Transfer, Natural Resources in the Environment



World Language

Students will be able to:

- develop Spanish vocabulary related to numbers, colors, parts of a house, clothing and communities,
- demonstrate reading and writing skills in Spanish relating to: family, friends, school and animals.
- engage in Spanish related speaking and listening activities
- engage in Spanish cultural activities and celebrations