Grade One LANGUAGE ARTS & LITERACY in the English Innovation Pathway

Students in grade one develop their reading and language arts skills through a balanced literacy approach. Students will be immersed in the National Geographic Reach for Reading program and will learn to apply skills in authentic literary and informational texts throughout the course of the year. The focus is on learning the necessary foundational skills to develop and strengthen comprehension in a variety of contexts. Students will build their knowledge of vocabulary and grammar to enhance oral and written language. Grade level writing includes responding to literature, crafting narrative as well as expository/ informational pieces. Engaging writing activities focus on the writing process, applying spelling rules, and the conventions of standard English.

Students will learn to:

- Use phonics skills (matching letters and their sounds) and word study skills to decode and spell words.
- Use context clues (the sentence or paragraph in which the word is used) in order to determine the meaning of unknown words.
- Identify and describe characters, settings, and the main events in a story.
- Use cause - effect, inferences, main idea, details, sequences, and drawing conclusions in order to understand the meaning of a story.
- Locate facts and information from a variety of texts.
- Recognize the author's style through rhyme, repetition, rhythm, and figurative language.
- Brainstorm, draw pictures, write, revise, proofread, and publish to become good writers.
- With support, write about a topic giving some facts and using organizational structures including an opening and closing.
- Use capitals, punctuation, and correct parts of speech to construct good sentences and paragraphs in writing.
- Participate in class discussions, using agreed upon rules, responding to comments of classmates, and asking questions.

MATHEMATICS in the English Innovation Pathway and French Immersion

Everyday Mathematics is the curriculum program used for math instruction. Instructional activities include whole class, small group and independent tasks. Number skills and mathematics are linked to relevant situations and contexts in everyday life. Students learn a variety of strategies to solve real life problems. Students also develop mathematical vocabulary while learning core concepts through hands on experiences and paper and pencil tasks.

Students will learn to:

Operations and Algebraic Thinking

- Represent and solve problems involving addition and subtraction.
- Understand and apply properties of operations and the relationship between addition and subtraction.
- Add and subtract within 20.
- Work with addition and subtraction equations.

Example: Five apples were on the table. I ate some apples. Then there were three apples. How many apples did I eat?

Number and Operations in Base Ten

- Extend the counting sequence.
- Understand place value.
- Use place value understanding and properties of operations to add and subtract.

Example: A student might solve 13-4 by subtracting 3 from 13 to reach 10, then subtracting one more to reach 9.

A student should understand that the "1" in "13" is one group of tens.

Measurement and Data

- Measure lengths indirectly and by iterating length units.
- Tell and write time.
- Represent and interpret data.
- Work with money.

Example: Students will order objects by their lengths.
Students will tell time on digital and analog clocks using hours and half-hours.

Geometry

- Reason with shapes and their attributes.

Example: *A student can make new shapes by combining smaller shapes.*
A students will be able to divide familiar shapes into halves and fourths.

Basic Math Facts & Computational Strategies

- Students will add and subtract within 20 using mental strategies such as counting on, making ten, breaking down numbers, using the relationship between addition and subtraction, and finding equivalent but easier sums.

HISTORY & SOCIAL SCIENCE in the English Innovation Pathway

Students will listen to and read folk tales and true stories from America and from around the world. They will learn about major historical events, figures, and symbols related to the United States of America and its national holidays and why they are important.

Students will learn to:

- Describe a map as a representation of a space such as a classroom, the school, the neighborhood town, city, state, country and world.
- Define and give examples of a continent, mountain, river, lake and ocean.
- Listen to and read folk tales and true stories from America and from around the world.
- Learn about major figures, symbols and events related to the United States.
- Identify and describe the location of the United States, the capital of the United States, the State of Massachusetts, the city of Boston, and the town of Milton.
- Describe the celebrations and customs of various families and communities.
- Recognize and celebrate diversity.

Thanks to the generous support of the Milton Foundation for Education, we will be enriching our Social Studies instruction with a literacy based enrichment curriculum meant to enhance students' social studies and literacy learning through increased opportunities for children to read, write, and speak about such sophisticated topics as democracy, equality, justice and fairness. Students begin to understand the connection between rules and law and are "***empowered to stand up for their beliefs, engage in respectful discourse, and resolve differences in constructive ways."-*** http://discoveringjustice.org

GENERAL SCIENCE in the English Innovation Pathway

Students learn science by doing investigations, reading about science, and expressing their scientific explanations. Science is integrated into mathematics, reading, and writing instruction when possible, creating rich and meaningful learning experiences. Grade one students construct knowledge by engaging in hands-on experiments, drawing and writing what they see, and practicing science discussion skills and explanations. First graders build on their experiences in kindergarten through exploration of these "big ideas":

- observing and describing daily weather, and beginning to describe patterns over time by examining seasonal data of temperature, rainfall, and more
- learning that air takes up space, can contract and expand, and can move things and exert a force
- understanding the differences between living and nonliving things, plant and animal life cycles, and the structures and behaviors that allow animals to survive in a given habitat

DIGITAL LITERACY and COMPUTER SCIENCE in the English Innovation Pathway

Elementary scholars are introduced to foundational concepts by integrating basic digital literacy skills with simple ideas about computational thinking.

The strands covered Kindergarten through second grade include:

1. Computing and Society
    - Safety and security
    - Ethics and Laws
    - Interpersonal and Societal Impact
2. Digital Tools and Collaboration
    - Digital Tools
    - Collaboration and Communication
    - Research
3. Computing Systems
    - Computing Devices
    - Human and COmputer Partnerships
    - Networks
    - Services
4. Computational Thinking
    - Abstraction
    - Algorithms
    - Data
    - Programming and Development
    - Modeling and Simulation

Incorporated Use of Technology as outlined in the Common Core English Language Arts:

Scholars in first grade will use a variety of digital tools to produce and publish writing, including in collaboration with peers. Students accomplish this through their exposure to:

- iPad apps: My Story, Tell About This, Chatterpix Kids, etc.
- Microsoft Word, PowerPoint
- Google Apps for Education

Standards Based Report Cards- Year 2

The purpose of this report card is to communicate to parents, guardians, and students, ongoing achievement towards grade level state standards. This is an objective tool that is used to measure progress towards proficiency in the Massachusetts Curriculum Frameworks and will provide clear information for students, families and caregivers on what students are expected to know and be able to do by the end of each of three terms. Each of the four elementary schools in the district will provide opportunities for parents to learn more about the new report card.