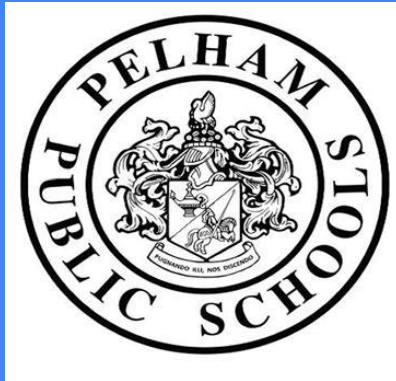


K-2 Curriculum Night

October 3, 2022



Welcome

Structure of the Evening

Overview of the New Standards and Our Curricular Approaches

Next Generation Science Standards and the New York State Science Learning Standards

The Social Studies Framework

Technology Integration and Standards

Breakout Sessions:

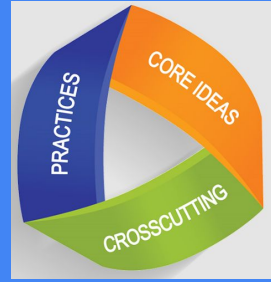
ELA

Math

Overview of Teaching and Learning (K-2)

- Next Gen Standards in ELA and Math
- Cultivation of lifelong readers/writers
- Inquiry
- A Balance: Skills, Content/Core Ideas, and Relevance
- Engagement
- Understanding over rote skills
- Authentic and personalized experiences
- Technology integration

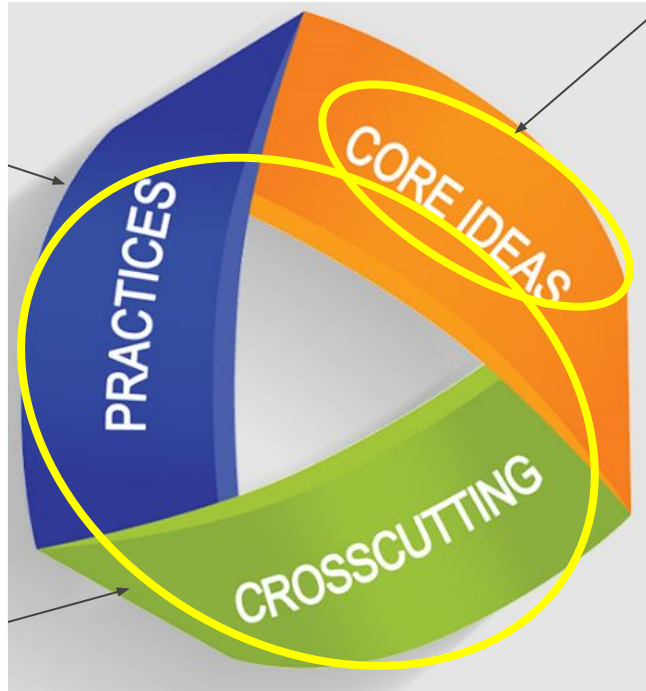
Next Generation Science Standards and New York State Science Learning Standards



- A. The New York State Science Learning Standards (NYSSLS) are derived from the national Next Generation Science Standards (NGSS)
- B. The shift in these standards involves a 3 dimensional approach to teaching science in our schools
- C. Content is still a major piece, but depth is emphasized
- D. Content is now articulated through Disciplinary Core Ideas (DCIs)
- E. Scientific and Engineering Practices (SEPs) have equal weight with DCIs
- F. Crosscutting is also given equal weight, as these new standards emphasize the integration of each discipline of science over its compartmentalization.

SEPs are just as important as content. Experiences must be hands-on, student centered, and less prescribed. While you can use processes to explore content and/or DCIs, if you are teaching SEPs explicitly, you are covering your curriculum.

The idea that principles of science fall neatly into chemistry, physics, biology, or Earth Science is antiquated. Concepts in science cut across those disciplines and even into others beyond science.



Our traditional emphasis, which is now being re-structured as Disciplinary Core Ideas (DCIs), represent the major understandings emphasizing depth of knowledge.

Science 21: K-2 Units

	Kindergarten	Grade 1	Grade 2
Unit 1	Weather and Climate/Matter and Its Interactions	Earth's Systems: Patterns and Cycles	Structure and Properties of Matter
Unit 2	Forces and Interactions: Pushes and Pulls	Waves: Light and Sound	Earth's Systems: Processes that Shape the Earth
Unit 3	Interdependent Relationships in Ecosystems: Animals, Plants and their Environment	Structure, Function, and Information Processing	Interdependent Relationships in Ecosystems

Social Studies Framework



Grade	Content Focus
Kindergarten	Self and Others
Grade 1	My Family and Other Families, Now and Long Ago
Grade 2	My Community and Other United States Communities

- ★ Identity
- ★ Cultures
- ★ Time, Continuity, and Change
- ★ Geography
- ★ Social Structures
- ★ Power, Authority, and Governance
- ★ Civic Ideals and Practices
- ★ Economic Systems
- ★ Science and Innovation
- ★ Global Connections

Social Studies Skills and Practices

1. Chronological Reasoning and Causation
2. Comparison and Contextualization
3. Geographic Reasoning (people, places, regions, environment, interactions)
4. Gathering, Using, and Interpreting Evidence
5. The Role of the Individual in Social and Political Participation
6. Civic Participation

Social Studies Practices	K	1	2
Civic Participation	Identify the school principal and his/her role within the school.	Identify the president of the United States and the school principal and their leadership responsibilities.	Identify community political leaders (e.g., mayor), the governor of New York State, and the president of the United States and their leadership responsibilities.
	Identify and follow rules in the classroom and school.	Identify rights and responsibilities in the classroom and school.	Identify rights and responsibilities in the classroom, school, and community.

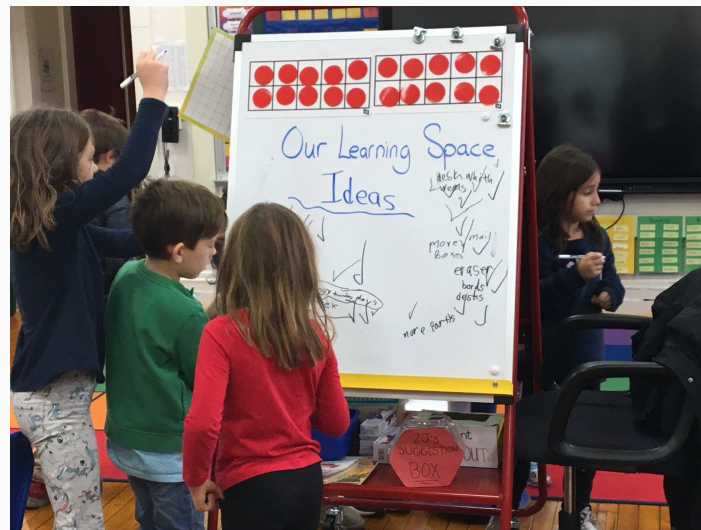
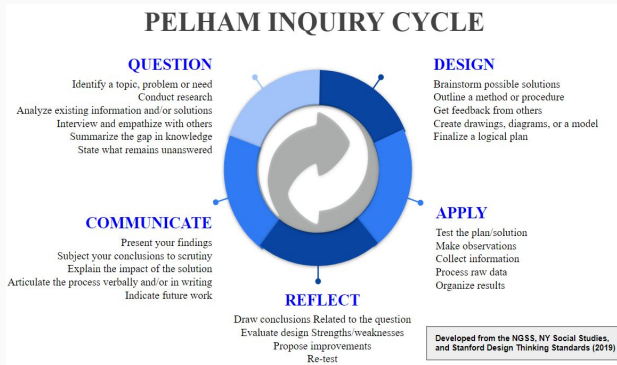
What do we have in Pelham?

- G Suite school district
- Extensive software suite
- Each classroom has an interactive display and document camera
- K-5 classrooms - dedicated chromebook cart
- K-1 classrooms - 5 iPads
- All faculty members have a device



Instructional Technology in Pelham

- Focus on instruction and innovation
- Technology as a tool not the solution
- Integrated approach to teaching and learning
- Simplify the process
- Digital literacy and citizenship



An Overview of the CSDF Standards

Impacts of Computing



Computational Thinking



Networks & System Design



Cybersecurity



Digital Literacy



Every student will know how to live productively and safely in a technology dominated world. This includes understanding the essentials features of digital technologies, why and how they work, and how to communicate and create using those technologies.

Parent Handbook and Launchpad

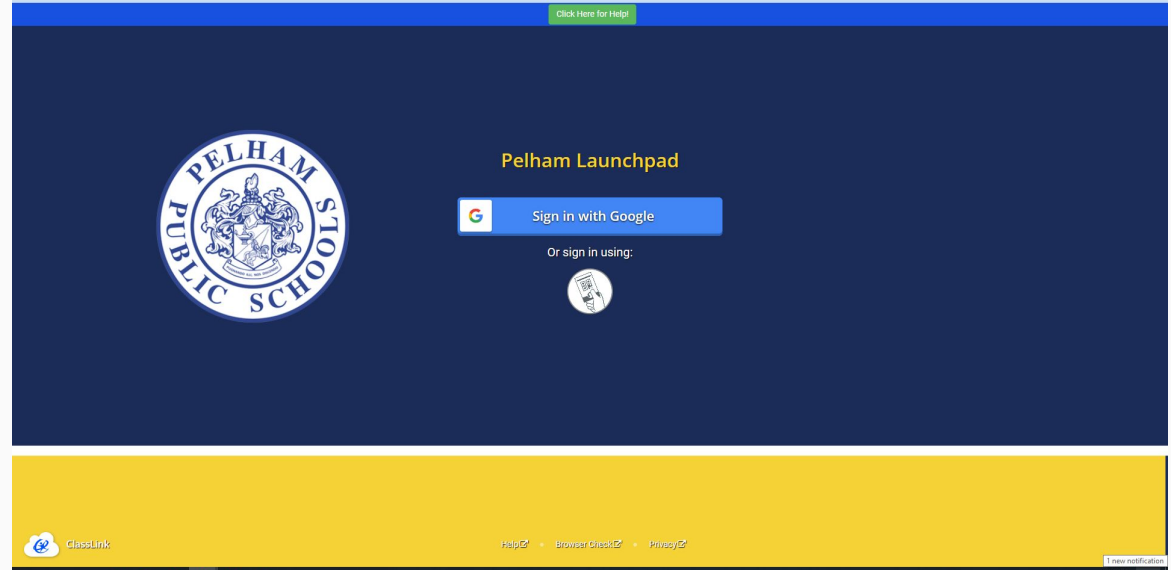
Pelham Union Free School District Parent Technology Handbook



John C. Sebalos
Director of Technology

Revised - September 2022

18 Franklin Place - Pelham, NY 10803 - 914-738-3434



Mathematics and English Language Arts

Breakout Math and ELA sessions...

7:00-7:25 Session I (Choose K-2 Math or K-2 ELA)

7:30-7:55 Session II (Choose K-2 Math or K-2 ELA)