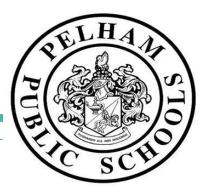


Elementary Curriculum Information Night

October 25, 2021

Dr. Maria Thompson, Director of Humanities (K-12) Dr. Tom Callahan, Director of Mathematics and Science (K-12) Mrs. Beth Finkelstein, Mathematics Professional Developer (K-5)



K-5 English Language Arts

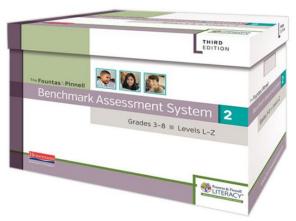


Dr. Maria Thompson, Director of Humanities, K-12

How do we get to know our Readers and Writers?















How are the Pelham Schools guiding students to navigate challenging texts, read widely and write powerfully?

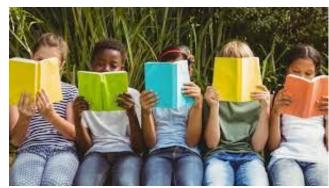
Pelham's Curriculum

- We are a Teachers College Reading and Writing Project District (K-5).
- Students move through the units of study around a certain genre (fiction, nonfiction, narrative, opinion). A unit of study ends with a celebration.
- Students learn how to revise and edit.
- Our goal is to have children read and write as much as possible, and for all children to learn to LOVE to read and write!

Essentials of a Workshop Model

Workshop teachers keep in mind a set of bottom lines for their instruction. These often include:

- 1) Time set aside for reading and writing
- 2) Individualized support
- 3) Exposure and access to texts
- 4) Student Choice
- 5) Authentic Opportunities
- 6) Mentor Texts and models

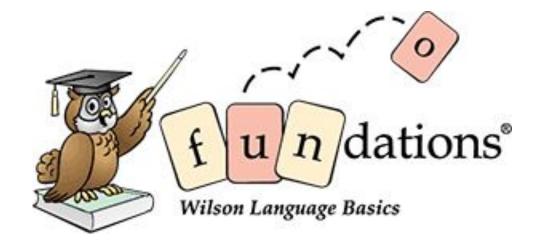


7) Parents as audience and partners

Workshop Framework

- Explicit Instruction: Mini lesson
- Opportunities for feedback
- Independent Reading and Writing Time
- Share





Students in grades K-2 receive a systematic program in critical foundational skills, emphasizing:

- Phonemic awareness
- Phonics/ word study
- High frequency word study
- Reading fluency

- Vocabulary
- Comprehension

strategies

- Handwriting
- Spelling

How You Can Support Your Child's Growth as a Reader?

- Choice
- Nudge Your Child to Read throughout the day
- Think Outside the Book
- Celebrate Series Books
- Read Aloud



How You Can Support Your Child's Growth as a Writer?

- Ask what your child is writing about
- Ask to see your child's writing (grade 3 and up may begin writing in a writer's notebook)
- Give children an opportunity to rehearse their story aloud to you. Say, "tell that story or how will that essay go, what are the main points?"
- Save most of the editing for the teacher...focus on the writing ideas with your child.
- Celebrate "published" writing. Getting compliments from an audience is inspiring to your writers

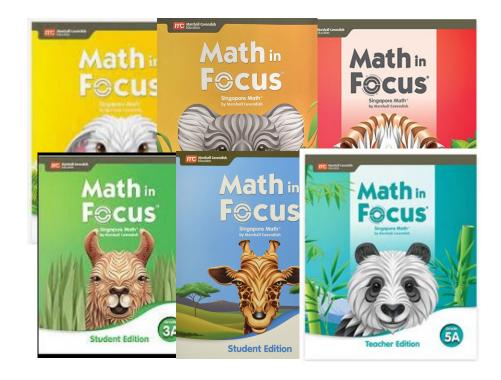
Pelham Mathematics

Dr. Tom Callahan, K-12 Director of Math and Science Beth Finkelstein, Mathematics Professional Developer (K-5)



"Just a darn minute! — Yesterday you said that X equals **two**!"

<u>Pelham</u> <u>Mathematics</u>



- Grades K-5 use Math in Focus 2020, a Singapore Math Program
- Follows NYS NextGen Standards

Getting to Know our Math Learners



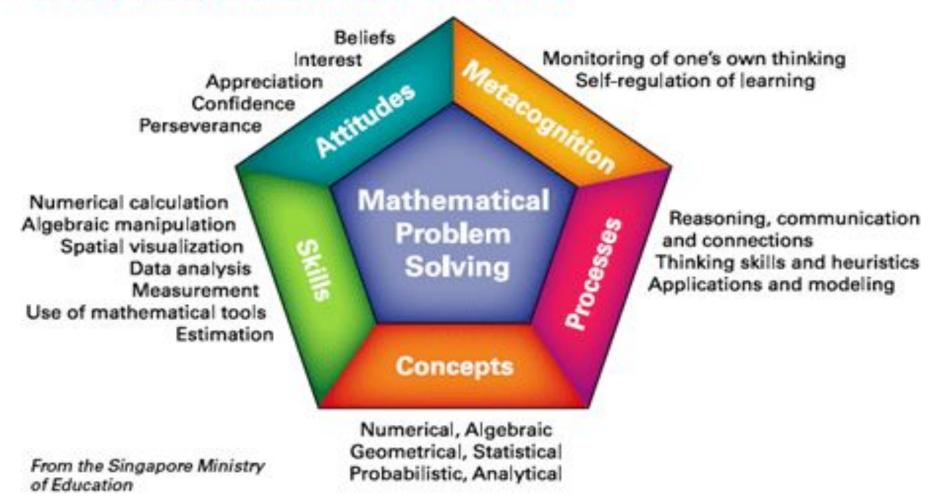






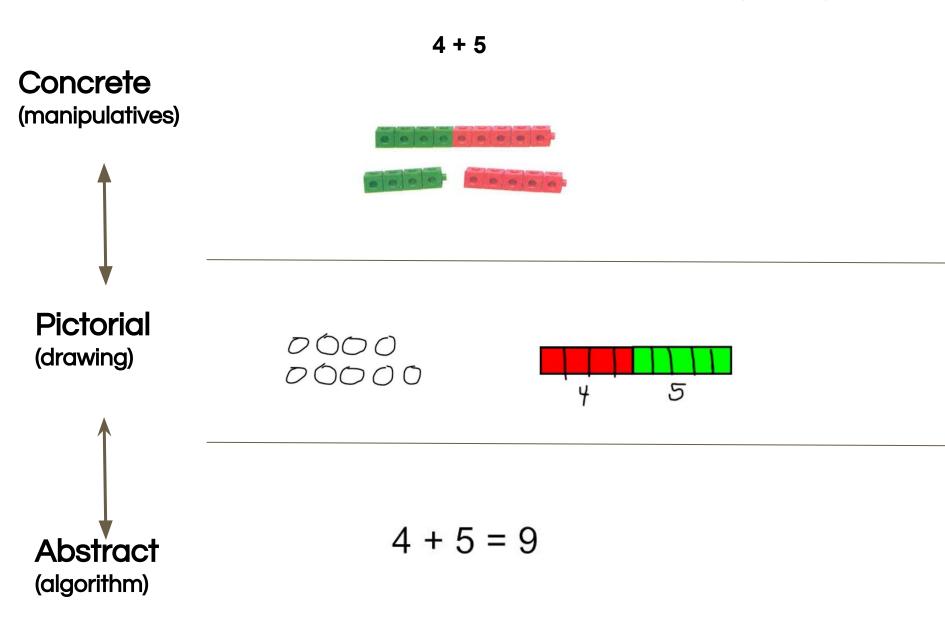


Singapore's Mathematics Framework



Concrete Pictorial Abstract (CPA)

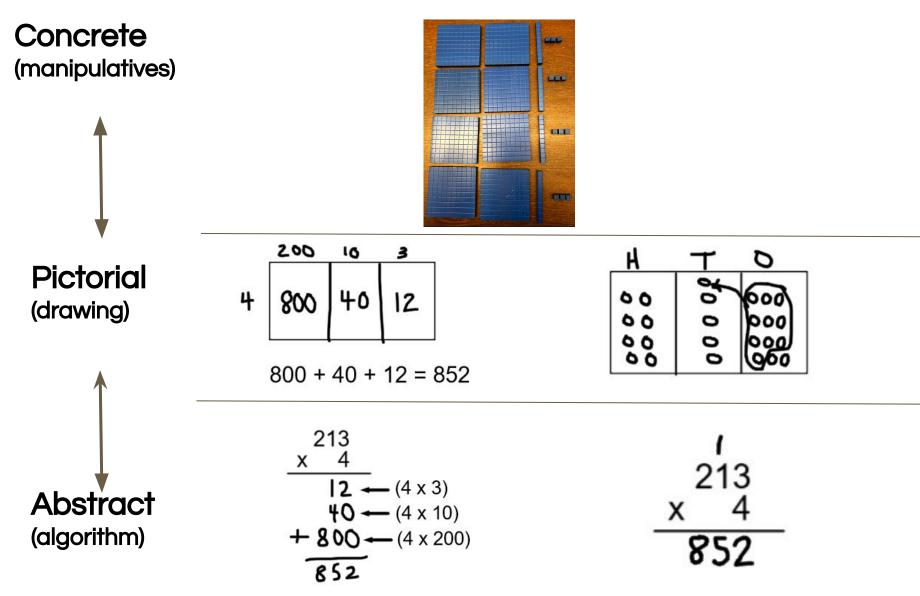
<u>K-1</u>



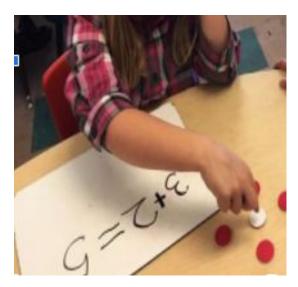
Concrete Pictorial Abstract (CPA)

213 x 4

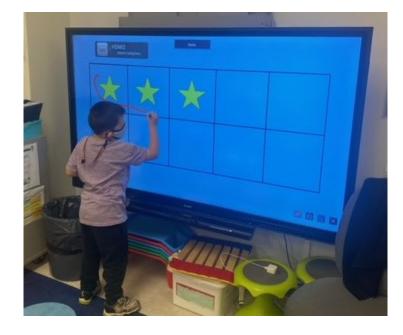
<u>2-5</u>



What does math look like in the K-2 classroom today?

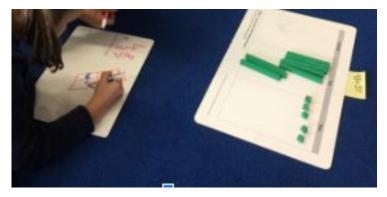


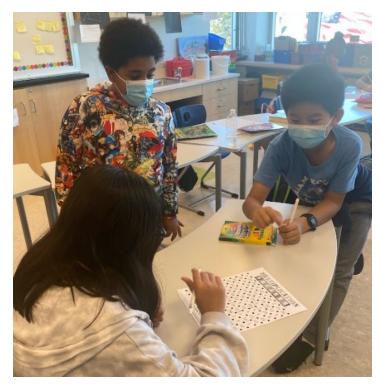






What does math look like in the 3-5 classroom today?







Think about this problem:

259 + 37

259 + 37

Adding by Place Value 200 50 + 30 =80 9 + 7 = 16 200 + 80 + 16 = 296

<u>Compensation</u> (making friendly numbers) 259 + 1= 260 37 – 1 = 36 260 + 36 = 296



Developing Number Sense at Home

<u>Play games:</u> Card games, dice games, board games

Wonder about numbers:

"How many more would I need to get from 3 to 10?...from 58 to 100? "How much bigger is 27 than 14?...327 than 214?" "How do you know?"

When your child is working on homework:

Don't just tell him/her how to solve a problem, pose questions instead: What is something you know about the problem? What do you notice about the numbers? Can you draw a model? Is there an example in your math book you can look at?

When working on story problems:

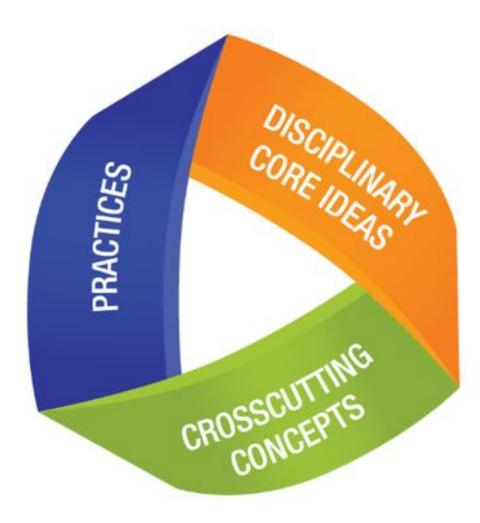
- First read the problem aloud without the numbers.
- Ask: Can you tell us what is happening in this story? What do we know about what is going on? What don't we know? What are we trying to figure out?
- Read the problem again with the numbers. Can you draw a picture/model of what is happening? Can you think of an equation to match your picture?

<u>Convey your enthusiasm toward math..even when there is a struggle</u> (even if you have to fake it). "Oooh...this is a good one! Let's think what we know about the problem. Let's think of a good tool to use? What should we start with?"

K-5 Science

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

Old vs. New Standards



Disciplinary Core Ideas (DCIs)

Major Concepts in the following disciplines:

Earth and Space Science (ESS)

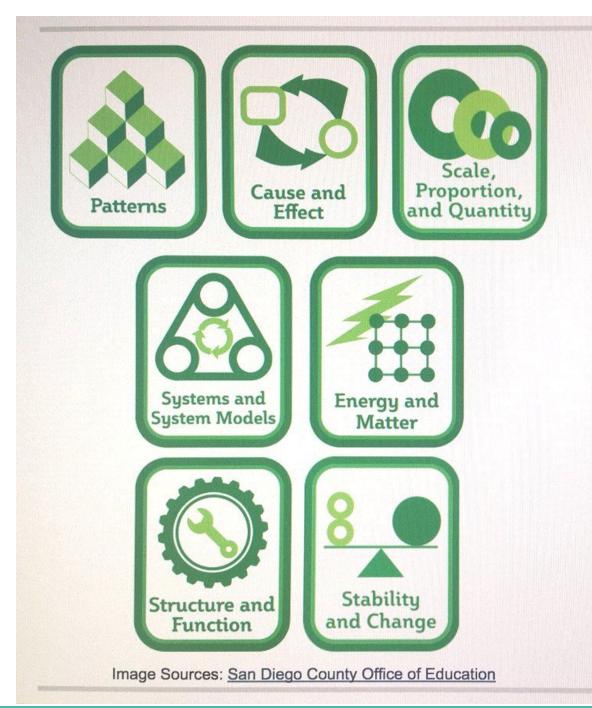
Life Science (LS)

Physical Science (PS)

Engineering and Technology (ETS)

Science and Engineering Practices

Asking questions and defining problems Developing and using models Planning and carrying out investigations Analyzing and interpreting data Using mathematics and computational thinking Constructing explanations and designing solutions Engaging in argument from evidence Obtaining, evaluating, and communicating information

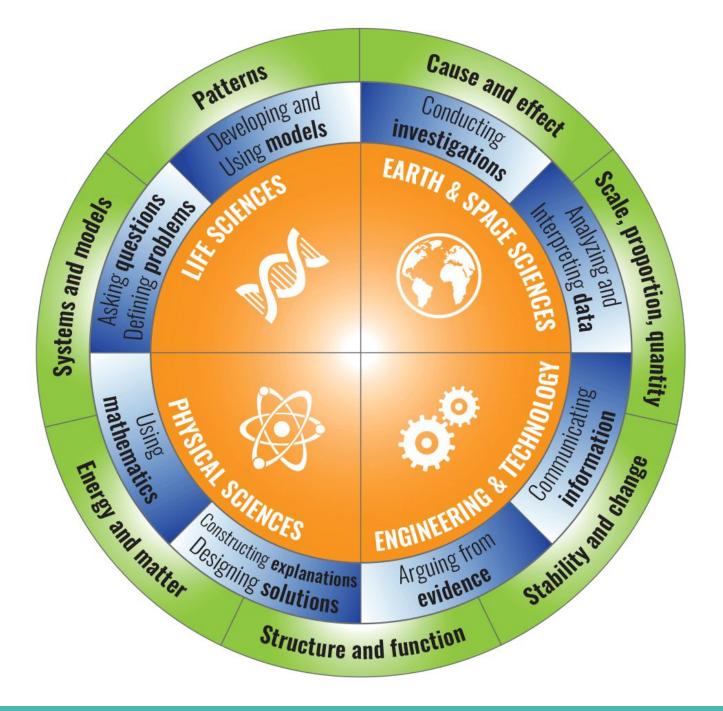


The Crosscutting Concepts

The habits of thinking of scientists when making sense of natural and human-made phenomena

CROSSCUTTING

PRACTICES



Important Things to Know

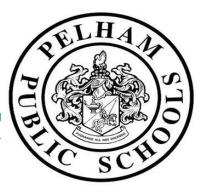
- The New York State Science Assessment in Grade 4 is being phased out and replaced with a test on NYSSLS standards and Next Gen.
- The last 4th grade test will be this year
- Current 3rd graders will take a new, cumulative science test (based on these standards) in 5th grade
- The new administration will occur in the Spring of 2024
- The state promises that the new test will balance core idea assessment with the assessment of practices and crosscutting themes
- Pelham's Science 21 program is fully aligned with NextGen and the NYSSLS and will be implemented K-5 one full year before the new test is administered

The Boy Who Harnessed The Wind

Community and School Collaboration between Pelham Schools and the Junior League of Pelham

- Movie Series
- Guest Lectures
- Career Panels
- Art Displays
- Curated Library Displays
- Community "Build" Events
- Integrated Curriculum Development

Everyone is a mathematician and a scientist!



K-5 Social Studies



Dr. Maria Thompson, Director of Humanities, K-12

The Study of Social Studies



- Elementary Social Studies focuses on themes, key ideas, and concepts around self, family, local community, New York State, the nation, and ultimately the world.
- Students are introduced to the study of civics/government, economics, geography, and history.

Grade	Content Focus
Kindergarten	Self and Others
Grade 1	My Family and Other Families, Now and Long Ago
Grade 2	My Community and Other Communities in the United States
Grade 3	Communities around the World: Learning about People and Places
Grade 4	Local History and Local Government
Grade 5	The United States, Canada and Latin America

Three Dimensional Teaching and Learning

Standards

- 1. World History
- 2. US History
- 3. Geography
- 4. Economics
- 5. Civics Citizenship and Gov't

Key Ideas/Conceptual Understandings:

Core Disciplinary Knowledge

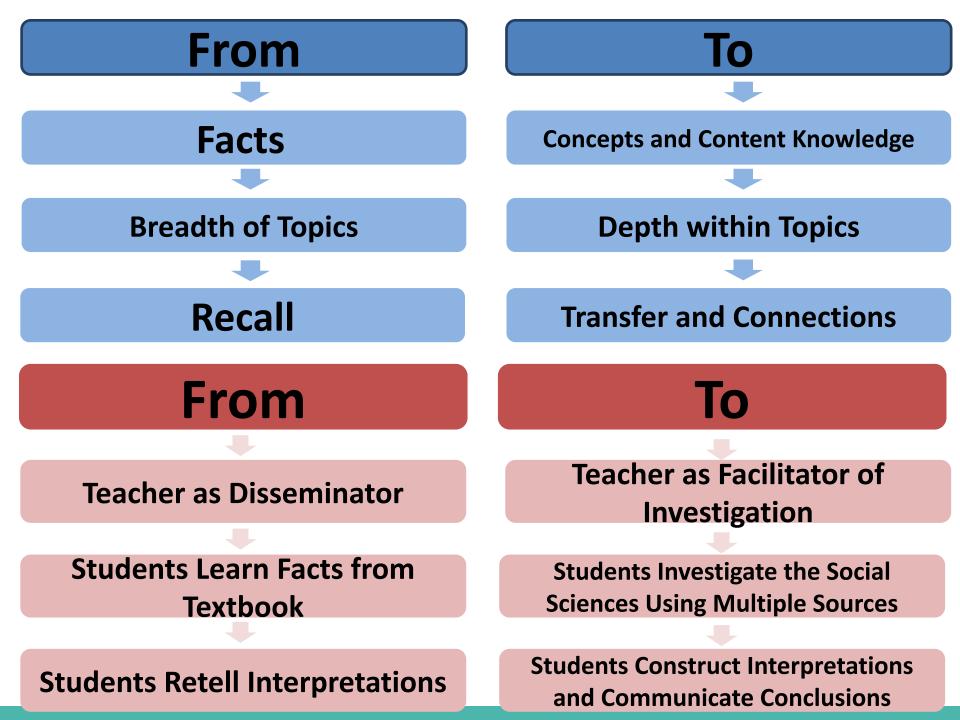
Standards:

Disciplinary Lens of the Social Scientist

Practice(s):

Disciplinary Behaviors, Thinking Skills, Habits of Mind 6 Practices (skills)

- A. Gathering, Using, and Interpreting Evidence
- B. Chronological Reasoning & Causation
- C. Comparison & Contextualization
- D. Geographic Reasoning
- E. Economics and Economics Systems
- F. Civic Participation



Social Studies Practices

- 1. Gathering, Using, and Interpreting Evidence
- 2. Chronological Reasoning and Causation
- 3. Comparison and Contextualization
- 4. Geographic Reasoning
- 5. Economics and Economics Systems
- 6. Civic Participation
 - a. Respect of self and others,
 - b. Respect of rules,
 - c. How to be a respectful listener,
 - d. How to be a critical reader of information,
 - e. How to distinguish between a fact and an opinion,
 - f. How to support your opinions with evidence and reason,
 - g. How to express yourself cogently in writing,
 - h. How to be an informed citizen



Parent Resources

District website

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