The Big Ideas

READING

- Think, write, speak, and listen to understand
- Read often and widely from a range of global and diverse texts
- Read for multiple purposes, including for learning and for pleasure
- Self-select texts based on interest
- Persevere through challenging, complex texts
- Enrich personal language, background knowledge, and vocabulary through reading and communicating with others
- Monitor comprehension and apply reading strategies flexibly
- Make connections (to self, other texts, ideas, cultures, eras, etc.)

WRITING

- Think, read, speak, and listen to support writing
- Write often and widely in a variety of formats, using print and digital resources and tools
- Write for multiple purposes, including for learning and for pleasure
- Persevere through challenging writing tasks
- Enrich personal language, background knowledge, and vocabulary through writing and communicating with others
- Experiment and play with language
- Analyze mentor texts to enhance writing
- Strengthen writing by planning, revising, editing, rewriting, or trying a new approach

MATHEMATICS

- Make sense of problems and persevere in solving them.
- Reason abstractly and quantitatively.
- Construct viable arguments and critique the reasoning of others.
- Model with mathematics.
- Use appropriate tools strategically.
- Attend to precision.
- Look for and make use of structure.
- Look for and express regularity in repeated reasoning.

SCIENCE

- Asking Questions and Defining Problems
- Planning and Carrying Out Investigations
- Analyzing and Interpreting Data
- Developing and Using Models
- Obtaining, Evaluating, and Communicating Information
- Constructing Explanations and Designing Solutions
- Engaging in Argument from Evidence
- Using Mathematics and Computational Thinking

- Reading and Writing Practices -- http://www.nysed.gov/common/nysed/files/introduction-to-the-nys-english-language-arts-standards.pdf
- Science Practices -- http://www.p12.nysed.gov/ciai/mst/sci/documents/p-12-science-learning-standards.pdf
- Mathematics Practices -- http://www.nysed.gov/common/nysed/files/nys-next-generation-mathematics-p-12-standards.pdf
- Social Studies Practices -- http://www.p12.nysed.gov/ciai/socst/documents/ss-framework-k-8a2.pdf

SOCIAL STUDIES

- Gathering, Interpreting and Using Evidence
- Chronological Reasoning and Causation
- Comparison and Contextualization
- Geographic Reasoning
- Economics and Economic Systems
  Civic Participation