

Phase I: Raise Awareness - Build Capacity Spring 2018

Office of Curriculum and Instruction







- Share opportunities for educators/students
- Standards background and development
- Share information and materials to support standards implementation
- Discuss 2017-2018 implementation outline





Opportunities



- Presidential Award of Excellence in Math and Science Teaching 2017-2018
 - K-6
 - Nomination/self-initiation

New York State Presidential Award of Excellent Information

2016-2017 New York State Finalists Announcement

https://www.paemst.org/



Opportunities



- Request for Proposals (RFP) for the 2018-2019 Title II, Part B - Mathematics and Science Partnership (MSP) Program.
- RFP #GC18-017 is posted on <u>P-12 Grants</u> <u>Administered by NYSED</u>
- All proposals must be postmarked by Friday, April 6, 2018.
- Questions relative to this RFP must be sent to <u>EMSCMSP@nysed.goo</u> later than close of business on Monday, March 5, 2018
- A questions and answers summary will be posted by Friday March 23, 2018



In December 2016, the Board of Regents:

 Approved new State science learning standards, with an initial transition beginning with the 2017-2018 school year.

http://www.regents.nysed.gov/common/regents/files/1216p12a1.pdf http://www.p12.nysed.gov/ciai/mst/sci/documents/p-12-science-learning-standards.pdf



	A Framework for K-		
National Science Education Standards (1996)	12 Science Education (2012)		
& Benchmark s for			
Science Literacy (1993)	Next Generation Science Standards (2013)		

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Architecture of the Science Standards

- **Title Box** Indicates grade level for PreK-5, grade band (6-8, 9-12) for middle school and high school and Topic Area.
- **Performance Expectations Box** Includes each Performance Expectation for that Grade level/Topic Area and Clarification Statement and/or Assessment Boundary, as appropriate.
- Foundations Boxes Include pertinent Science and Engineering Practices, Disciplinary Core Ideas, and Crosscutting Concepts to further define the Performance Expectations.
- **Connections Boxes** Include connections to other Disciplinary Core Ideas within the same grade level, articulations of Disciplinary Core Ideas across grade levels, and will include updated connections to revised state learning standards in Mathematics and English Language

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Initial Transition Curriculum & Instruction

- Coherent professional development opportunities are vital.
- Continued collaboration among science education stakeholders will ensure building awareness and capacity of teachers and leaders of science at the local, regional, and state levels.
- Continued focus of science education stakeholders on the critical components of the Statewide Strategic Plan for Science will enhance opportunities for student achievement of the new NYS P-12 Science Learning Standards.





New York State Statewide Strategic Plan for Science:

A plan that aligns to the mission, vision and six key components of the *Statewide Strategic Plan for Science across 3 phases;*



Proposed Phases of Implementation:

• Three Phases

Phase I - Initial Transition Raise Awareness and Build Capacity Phase II -Transition and Implementation Phase III - Implementation and Sustainability-



More information and periodic updates can be found on the Department's website at

http://www.p12.nysed.gov/ciai/mst/sci/nyssls.html



Standards Introduction

- Context
- Diverse learner populations
 - English Language Learners/Multilanguage Learners
 - Students with Disabilities
- Organization
- Connecting to Performance Expectations
 http://www.p12.nysed.gov/ciai/mst/sci/NYS_Science_Intro.pdf



Roadmap



 Guidance document that pinpoints goals, objectives and activities aligned with three phases to address a systematic and systemic transition to new standards based on the Statewide Strategic Plan for Science.



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Influencing Factors







Assessment System Transition

- New local and state-level assessments will need to be developed to measure the learning expectations included in the new standards.
- New local and state-level assessments should focus on evaluating student achievement of three-dimensional learning – Science and Engineering Practices, Crosscutting Concepts, and Disciplinary Core Ideas.
- Proposed State Assessments:
 - Grade 5
 - Grade 8
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Timeframe	Phase I - Initial Transition			
2017-2018 School Year	Engage relevant stakeholder groups to help outline a transition strategy for the new NYS P-12 Science Learning Standards in alignment with the Statewide Strategic Plan for Science to the New York State P-12 Science Learning Standards Implementation Roadmap.			
	 Phase I: Raise Awareness, Build Capacity of new NYS P-12 Science Learning Standards; Collaborate with relevant stakeholder groups to build awareness of the new NYS P-12 Science Learning Standards across the state. Develop and propose assessment frameworks for State 			
	Collaborate with relevant stakeholder groups to build awareness of the new NYS P-12 Science Learning Standards across the state.			





