



New York State Education Department

Office of Curriculum and Instruction

Science Update

Fall 2015

Office of Curriculum and Instruction

Mary Cahill

Director of Curriculum Services

Science Associates

Ann Crotty, ann.crotty@nysed.gov

Will Jaacks, anthony.jaacks@nysed.gov

Science Programs

- Title II, Part B MSP Program
 - ❖ <http://www.p12.nysed.gov/ciai/mst/msp/>
 - ❖ http://www.p12.nysed.gov/ciai/mst/msp/documents/MSP_2014_2016_directoryRev.pdf

- Presidential Awards for Excellence in Mathematics and Science Teaching
 - ❖ <http://www.p12.nysed.gov/ciai/mst/paemstaward.html>

- New York State Science Olympiad
 - ❖ <http://www.p12.nysed.gov/ciai/mst/sci/olympiad.html>

- National Youth Science Camp
 - ❖ <http://www.p12.nysed.gov/ciai/mst/sci/programs>

- Appalachian Regional Commission/Oak Ridge National Laboratory Summer Opportunity for Students and Teachers
 - ❖ <http://www.p12.nysed.gov/ciai/mst/sci/programs.html>

New York State

Grade 4 Elementary-Level Science Test Grade 8 Intermediate -Level Science Test

- The written test format consists of:
 - ❖ Part A - multiple choice
 - ❖ Part B - multiple choice and constructed-response
 - ❖ Part C - constructed-response and extended constructed-response
- The performance test consists of:
 - ❖ On-demand tasks at three stations
- 2016 Administration dates:
 - ❖ Performance Test – Wednesday, May 25 – Friday, June 3
 - ❖ Written Test – Monday, June 6 (June 7 & 8 make-up dates)
- Information link:
 - ❖ <http://www.p12.nysed.gov/assessment/science/science-ei.html>

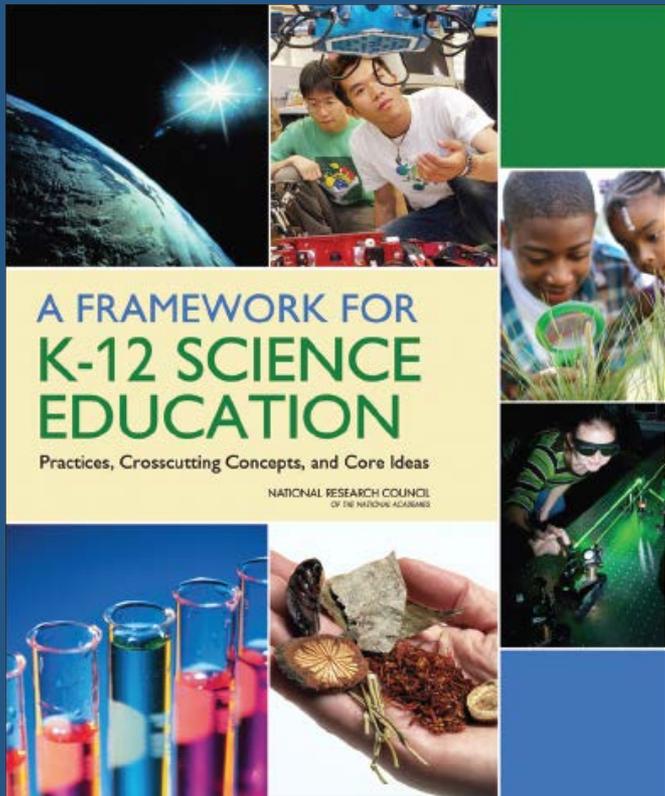
New York State Science Regents Examinations

- 4 Science Regents Examinations
 - ❖ Living Environment
 - ❖ Physical Setting/Earth Science
 - ❖ Physical Setting/Chemistry
 - ❖ Physical Setting/Physics

- January 2016 Regents Examination Schedule
 - ❖ <http://www.p12.nysed.gov/assessment/schedules/2016/regents-116.pdf>

- June 2016 Regents Examination Schedule
 - ❖ <http://www.p12.nysed.gov/assessment/schedules/2016/regents616.pdf>

Science Learning Standards



Statewide Strategic Plan for Science

Developed in collaboration with:

- NYS Science Education Consortium
- Statewide Leadership Team
- Science Content Advisory Panel
- Science education stakeholders, at large

Statewide Strategic Plan for Science

- Intends to promote and sustain a statewide learning community focused on science education
- Serves as a planning and implementation guide to support P-12 science learning standards
- Includes a broad plan to develop a new set of NYS science learning standards

Posted at <http://www.p12.nysed.gov/ciai/mst/sci/strplan.html>

Statewide Strategic Plan for Science

- Approved by NYS BoR during January 2015 meeting; posted at <http://www.regents.nysed.gov/meetings/2015/2015-01/p-12-education>
- Item: pdf <http://www.regents.nysed.gov/common/regents/files/115p12a1.pdf>

Statewide Strategic Plan for Science

- Mission and Vision Statements
- Six Critical Components; Standards, Curriculum, Professional Development to Enhance Instruction, Assessment, Materials and Resource Support, Administrative and Community Support
- Goals
- Objectives
- Activities

Developing New NYS Science Learning Standards

- Science Standards Development Process

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

Developing New NYS Science Learning Standards

- Determine core science content, conceptual understandings, and practices required of all students.
- Determine student performance expectations
- Determine architecture of standards document.

Developing New NYS Science Learning Standards

- Write draft standards.
- Post draft standards for stakeholder review and comment.
- Revise standards, based on review and comment.
- Propose science learning standards for Board of Regents' adoption.

New Draft NYS Science Learning Standards

- Ed Specialists (OSA) reviewed stakeholder feedback and recommended additions, revisions, and deletions to NGSS performance expectations, clarification statements, and assessment boundaries.
- A preliminary draft was developed based on these recommendations.

New Draft NYS Science Learning Standards

- Science Education Steering Committee representatives reviewed the preliminary draft and provided recommendations for Department staff to consider.
- A draft for the Science Standards' Writing Team was developed based on these recommendations.

New Draft NYS Science Learning Standards to Date

- The Science Standards Writing Team convened in late September, reviewed the draft, and provided recommendations for Department staff to consider.
- A new iteration has been developed based on these recommendations.

New Draft NYS Science Learning Standards to Date

- Next steps...
 - Post draft NYS P-12 Science Learning Standards (NYSSLS) for public review and comment.
 - Review public feedback of draft NYSSLS and revise, as appropriate.
 - Propose NYSSLS to the Board of Regents for consideration and adoption.