

OFFICE OF CURRICULUM AND INSTRUCTION
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Science High School Course Maps for Physical Science: Chemistry Course that will Culminate in a Corresponding Regents Examination in Science

Revised 11/20/19 - See footnote for changes.

Background

A Framework for K-12 Science Education and the

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Development Process

The four high school science course maps have been developed by the Department to assist school districts in developing specific courses at the local level that align to the high school level (grades 11-12) performance expectations included in the [New York State P12 Science Learning Standards](#). Each science course map (Life Science: Biology; Earth and Space Sciences; Physical Science: Chemistry; and Physical Science: Physics), delineates specific performance expectations for courses that culminate in a corresponding Regents examination in science.

The course maps were developed using a four course model to similar what is included in [Next Generation Science Standards Appendix](#)

[New York State P12 Science Learning Standards](#) design was then decided. New York State subject area teacher experts provided input and feedback delineating the overlaps for performance expectations for proposed high school science Regent's exam courses. These decisions were made through a careful reading of the grade-band endpoints for each component idea in the Framework and were reviewed by multiple committees made up of New York State teachers and administrators

¹National Research Council (2012). A Framework for K-12 Science Education: Practices, Crosscutting Concepts, and Core Ideas. Washington, DC: The National Academies Press.

² National Research Council (2013). Next Generation Science Standards: For States, By States. Washington, DC: The National Academies Press.

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Important Considerations

It is important to note the performance expectations do not dictate curriculum, which is locally decided by school districts; rather, they were coherently developed to allow flexibility in classroom instruction. The New York State P-12 Science Learning Standards performance expectations reflect what a student should know and be able to do—they do not dictate the manner or methods by which they are taught.

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Diagram 1: The New York State P-12 Science Learning Standards

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