



OFFICE OF CURRICULUM AND INSTRUCTION

Room 860 EBA

Phone: (518) 474-5922

E-mail: emscurric@nysed.gov; Web: www.nysed.gov/curriculum-instruction

Science High School Course Maps for Life Science: Biology Courses that will Culminate in a Corresponding Regents Examination in Science

Background

The New York State P-12 Science Learning Standards are based on guiding documents ([A Framework for K-12 Science Education](#)¹ and the [Next Generation Science Standards](#)²) grounded in the most current research in science and scientific learning. They reflect the importance of every student's engagement with natural scientific phenomena at the nexus of three dimensions of learning: Science and Engineering Practices, Disciplinary Core Ideas, and Cross-Cutting Concepts. Performance expectations are the way to integrate the three dimensions guiding student sense-making of science as discussed in the [New York State P-12 Science Learning Standards Introduction](#)



/ THE UNIVERSITY OF THE STATE OF NEW YORK / ALBANY, NY 12234

OFFICE OF CURRICULUM AND INSTRUCTION

Room 860 EBA

Phone: (518) 474-5922

E-mail: emscurric@nysed.gov; Web: www.nysed.gov/curriculum-instruction

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



/ THE UNIVERSITY OF THE STATE OF NEW YORK / ALBANY, NY 12234

OFFICE OF CURRICULUM AND INSTRUCTION

Room 860 EBA

Phone: (518) 474-5922

E-mail: emscurric@nysed.gov; Web: www.nysed.gov/curriculum-instruction

Table I contains the recommended performance expectations for guiding curriculum, programming, and instruction within four high school



/ THE UNIVERSITY OF THE STATE OF NEW YORK / ALBANY, NY 12234

OFFICE OF CURRICULUM AND INSTRUCTION

Room 860 EBA

Phone: (518) 474-5922

E-mail: emscurric@nysed.gov; Web: www.nysed.gov/curriculum-instruction

HS. Engineering Design	HS-ETS1-4.	Using Mathematics and Computational Thinking	ETS1.B: Developing Possible Solutions	Systems and System Models	
-------------------------------	-------------------	---	--	----------------------------------	--