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







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		Laws, Mechanisms, and Theories Explain Natural Phenomena			
HS. Space Systems	HS-ESS1-7.	Constructing Explanations and Designing Solutions;	ESS1.B: Earth and The Solar System	Patterns	
HS. History of Earth	HS-ESS2-1.	Developing and Using Models	ESS2.A: Earth Materials and Systems; ESS2.B: Plate Tectonics and Large-Scale System Interactions	Stability and Change	
HS. Earth's Systems	HS-ESS2-2.	Analyzing and Interpreting Data	ESS2.A: Earth Materials and Systems	Stability and Change; <b>Connections to Engineering, Technology, and Applications of Science</b> Interdependence of Science, Engineering, and Technology	
HS. Earth's Systems	HS-ESS2-3.	Developing and Using Models; <b>Connection to Nature of Science</b> Scientific Knowledge is Based on Empirical Evidence	ESS2.A: Earth Materials and Systems; ESS2.B: Plate Tectonics and Large-Scale System Interactions; PS4.A: Wave Properties	Energy and Matter; <b>Connections to Engineering, Technology, and Applications of Science</b> Interdependence of Science, Engineering, and Technology	
HS. Earth's Systems	HS-ESS2-5.	Planning and Carrying Out Investigations	ESS2.C: The Roles of Water in Earth's Surface Processes	Structure and Function	
HS. Earth's Systems	HS-ESS2-6.	Developing and Using Models	ESS2.D: Weather and climate	Energy and Matter	Physical and chemical







