# *Science* **Curriculum**

## *Kindergarten*

***Curriculum Overview***

*"The New Jersey Student Learning Standards for Science (NJSLS-S) describe the expectations for what students should know and be able to do as well as promote three-dimensional science instruction across the three science domains (i.e., physical sciences, life science, Earth and space sciences). From the earliest grades, the expectation is that students will engage in learning experiences that enable them to investigate phenomena, design solutions to problems, make sense of evidence to construct arguments, and critique and discuss those arguments (in appropriate ways relative to their grade level).*

*The foundation of the NJSLS-S reflects three dimensions — science and engineering practices, disciplinary core ideas, and crosscutting concepts. The performance expectations are derived from the interplay of these three dimensions. It is essential that these three components are integrated into all learning experiences. Within each standard document, the three dimensions are intentionally presented as integrated components to foster sensemaking and designing solutions to problems. Because the NJSLS-S is built on the notions of coherence and contextuality, each of the science and engineering practices and crosscutting concepts appear multiple times across New Jersey Department of Education December 2020 Page 1 of 200 Introduction topics and at every grade level. Additionally, the three dimensions should be an integral part of every curriculum unit and should not be taught in isolation."*

*Reference: New Jersey Department of Education. New Jersey Student Learning Standards, 2020.*

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| *Unit 1: Pushes and Pulls* | *September- October* |
| *Unit 2: Effects of the Sun* | *November, December, January* |
| *Unit 3: Weather* | *February- March* |
| *Unit 4: Basic Needs of Living Things* | *April- Mid May* |
| *Unit 5: Basic Needs of Humans* | *Mid May- June* |