

ELA and Next Gen Science

No. 198 **Grades K-5**

The Next Gen Science Standards and expectations that align with the Common Core Standards for K-5 English Language Arts in reading, writing, listening and speaking are the fundamentals of expanded study. Through the development and use of the four disciplinary core ideas: physical sciences, life sciences, earth and space sciences, the use of applied thinking strategies, participants will demonstrate understanding of core scientific concepts to include pattern recognition and formulating questions to evoke answers about the world around them. Participants will develop, practice with, and plan to implement literacy teaching strategy into science curriculum that supports grade-appropriate proficiency in gathering evidence, writing with detail about, and reporting on, the natural and designed world. Scaffolds to the teaching of more complex phenomena later (in middle and high school) will also be provided to help students make the important leaps from curriculum and knowledge, to application through hands-on performance tasks.

Course Outcomes:

- Understand the Next Gen Science Standards and their alignment to the Common Core.
- Develop, practice with, and implement the teaching of literacy strategy into grade appropriate science curriculum as it supports the Common Core and Next Gen Standards.
- Develop the facility to help students make important leaps from curriculum and knowledge to hands-on performance tasks.