

OVERLAPPING WITH THE COMMON CORE

The science and engineering practices embedded in the new science standards have considerable synergy with the practices and skills promoted in the common-core math and literacy standards.

SCIENCE STANDARDS ■

- Ask questions and define problems
- Plan and carry out investigations
- Analyze and interpret data

MATH STANDARDS +

- + Make sense of problems and persevere in solving them
- + Attend to precision
- + Look for and make use of structure
- + Look for and express regularity in repeated reasoning

- Develop and use models
- + Model with mathematics

- Use mathematics and computational thinking

LITERACY STANDARDS ○

- Demonstrate independence in reading complex texts, and writing and speaking about them
- Come to understand other perspectives and cultures through reading, listening, and collaborations

- Build a strong base of knowledge through content-rich texts
- Read, write, and speak grounded in evidence
- + Reason abstractly and quantitatively
- + ○ Construct viable arguments and critique reasoning of others
- Engage in argument from evidence

- Construct explanations and design solutions
- Obtain, evaluate, and communicate information
- Obtain, synthesize, and report findings clearly and effectively in response to task and purpose
- + Use appropriate tools strategically
- Use technology and digital media strategically and capably