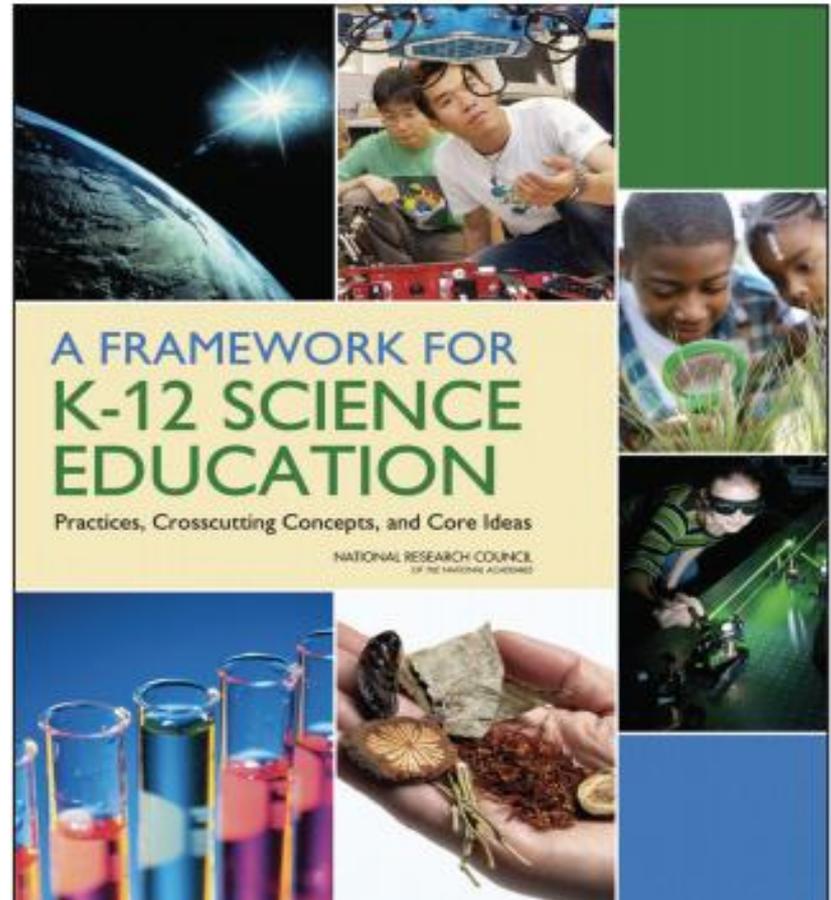
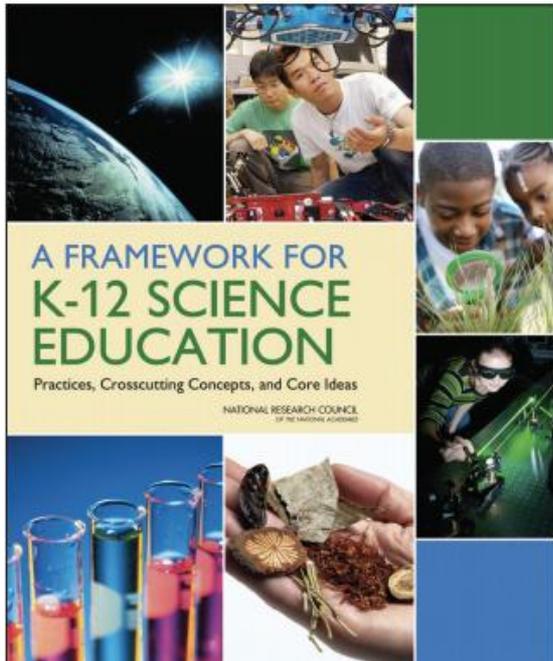


A Framework for K-12 Science Education, Next Generation Science Standards, Common Core Standards for English Language Arts, and GLOBE

*US Implementation
Subcommittee
March 28, 2012*





Next Generation Science Standards Architecture

Crosscutting
Concepts

Core
Ideas

Practices

Integration of practices,
crosscutting concepts, and
core ideas.



Scientific and Engineering Practices

- Asking questions and defining problems
- Developing and using models
- Planning and carrying out investigations
- Analyzing and interpreting data
- Using mathematical and computational thinking
- Constructing explanations and designing solutions
- Engaging in argument from evidence
- Obtaining, evaluating and communicating information

Crosscutting Concepts

- Patterns
- Cause and effect
- Scale, proportion and quantity
- Systems and system models
- Energy and matter
- Structure and function
- Stability and change



Core Ideas

- Physical sciences
- Life sciences
- Earth and space sciences
- Engineering, technology and the applications of science



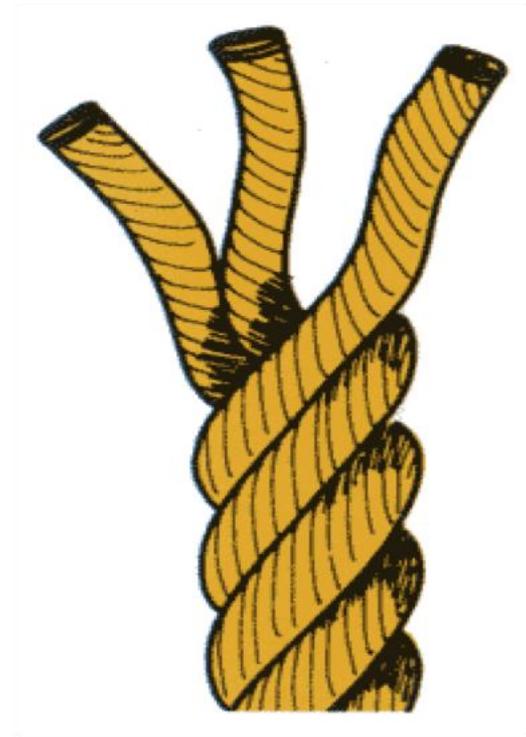
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1st Public Review – Late April

2nd Public Review – Late Summer

Approval – Late 2012/Early 2013

Connections to CCSS Literacy



COMMON CORE
STATE STANDARDS INITIATIVE
PREPARING AMERICA'S STUDENTS FOR COLLEGE & CAREER

- Determine Central Ideas (RST 2)
- Evidence (RST 1 & WHST9)
- Analysis (RST 5)
- Evaluate Hypotheses (RST 8)
- Synthesize Information (RST 9)
- Writing Arguments (WHST 1)
- Use of Technology (WHST 6)
- Speaking and Listening (SL 1-6)

What does this mean for GLOBE?





Develop models of instruction
Exemplars for reading and writing (literacy)
Alignment to Standards
Teaching and Learning Component - Website

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