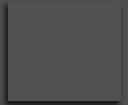


# Louisiana Science Standards Review

Workgroups Meeting – October 5-6, 2016



# Workgroup Schedule

**Objective: Finalize the initial draft of the K-12 Louisiana science standards in preparation for presentation to the Standards Committee at the November meeting.**

October 5

- Format of practices
- Standards cross-check

October 6

- Vertical alignment
- Vertical revisions
- Closing logistics

# Format of Practices (for public review)

- As a grade band, discuss the pros and cons of the formatting options for the science and engineering practices.
- Discuss as a whole group.
- Complete the [survey](#)

Option 1	Option 2
<ol style="list-style-type: none"><li>1. Asking questions (for science) and defining problems (for engineering)</li><li>2. Developing and using models</li><li>3. <b>Planning and carrying out investigations to answer questions or test solutions to problems in K-2 builds on prior experiences and progresses to simple investigations, which provide data to support explanations or design solutions. Plan and conduct an investigation collaboratively to produce data to serve as the basis for evidence to answer a question.</b></li><li>4. Analyzing and interpreting data</li><li>5. Using mathematics and computational thinking</li><li>6. Constructing explanations (for science) and designing solutions (for engineering)</li><li>7. Engaging in argument from evidence</li></ol>	<p>Planning and carrying out investigations to answer questions or test solutions to problems in K-2 builds on prior experiences and progresses to simple investigations, which provide data to support explanations or design solutions. Plan and conduct an investigation collaboratively to produce data to serve as the basis for evidence to answer a question.</p>

# Standards Cross-Check

## **Grade level and content workgroups:**

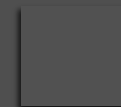
- Address outstanding issues, concerns, and resources
- Does every standard include a performance expectation that is appropriately supported by the corresponding practices, DCIs, and crosscutting concepts?
- Are all DCI's are addressed in the grade band or content area?
- Are all practices addressed in every grade level or content area?
- Are all cross cutting concepts addressed in every grade level or content area? If not, is their strong justification for not addressing at each grade level or content area?
- Are any math skills introduced prior to them being introduced in the Louisiana Student Standards for Mathematics?

**STEM workgroup:** Review for STEM connections and provide feedback to grade level and content workgroups.

- Will a STEM specific set of optional performance expectations be proposed to the committee?

# Louisiana Science Standards Review

Workgroups Meeting – October 6, 2016



# Workgroup Schedule

**Objective: Finalize the initial draft of the K-12 Louisiana science standards in preparation for presentation to the Standards Committee at the November meeting.**

## October 5

- Format of practices
- Standards cross-check

## October 6

- Vertical alignment
- Vertical revisions
- Closing logistics

# Vertical Alignment

- In content-focused vertical groups, review every standard.
- Provide written documentation to grade level and content groups using the Standards Analysis Form.
  - The standard uses clear language, not be too prescriptive or too vague.
  - The standard is grade appropriate.
  - The standard connects learning within and across grade levels when appropriate.
  - The standard applies to multiple phenomenon (facts, occurrences, or circumstances) and/or problems.
  - The standard connects core ideas, scientific and engineering practices, cross-cutting concepts, and the performance expectation.
  - Meeting the performance expectation demonstrates a student's understanding of the disciplinary core ideas in science, application of science and engineering practices, and understanding of crosscutting concepts.

# Vertical Revisions

- Regroup in grade level and content groups.
- Review feedback from vertical teams and determine whether to revise standards based on feedback.



# Next Steps

- The next workgroup meeting is November 7 in Covington.
- Pre-work: TBD
- The logistics survey and event memo will be sent by Tuesday, October 11.

Thank You