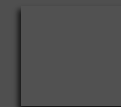


# Louisiana Science Standards Review

Workgroups Meeting – September 12-13, 2016



# Workgroup Schedule

## September 12

- Standards vs. curriculum
- Finalize science and engineering practices
- Finalize disciplinary core ideas
- Finalize cross-cutting concepts
- Analyze language impact
- Identify criteria of quality standards
- Practice drafting standards
- Begin drafting standards

## September 13

- Draft standards
- Closing logistics

# Standards vs. Curriculum

As a table, brainstorm on chart paper the key differences between standards and curriculum.

Standards	Curriculum

Complete a gallery walk and discuss the main ideas.

# Finalize Science & Engineering Practices

In your grade bands, finalize the science and engineering practices for your grade bands using the Google sheet.

- Designate 1 person in each group as the official person to make the changes in the spreadsheets.
- Make changes using ~~strikethrough~~ to delete and **red font** to insert so that other grade bands can quickly see the changes.

# Finalize Disciplinary Core Ideas

In your grade bands or content areas, finalize the disciplinary core ideas for your grade bands using the Google sheet.

- Designate 1 person in each group as the official person to make the changes in the spreadsheets.
- Make changes using ~~strikethrough~~ to delete and **red font** to insert so that other grade bands can quickly see the changes.

Lunch

# Finalize Crosscutting Concepts

In your grade bands or content areas, finalize the crosscutting concepts for your grade bands using the Google sheet.

- Designate 1 person in each group as the official person to make the changes in the spreadsheets.
- Make changes using ~~strikethrough~~ to delete and **red font** to insert so that other grade bands can quickly see the changes.

# Indicators of Quality Standards

It is important to draft and evaluate the standards strategically and consistently to ensure that the final product is rigorous and coherent. To do this, a set of criteria need to be considered for consistency across grade levels.

- As a table, analyze the criteria for quality on the Standards Analysis Worksheet.
- Consider:
  - Which criteria should be included?
  - Which criteria should not be included?
  - Which criteria should be edited?
  - Should any other criteria should be added?
- Consider as a table and determine edits that need to be made to the set of criteria. Discuss and edit as a whole group.



# Language Analysis

The specific language of a standard or performance expectation can significantly impact classroom instruction. Discuss with your table how the language choices in the following influences how teachers teach and what students learn. Record your thoughts on chart paper.

Standard 1	Standard 2
Conduct an experiment to determine whether the mixing of two or more substances results in new substances with new properties (a chemical reaction) or not (a mixture).	Conduct an investigation to determine whether the mixing of two or more substances results in new substances.
Use evidence to support the claim that gravitational forces between objects are attractive and are only noticeable when one or both of the objects have a very large mass.	Construct and present arguments using evidence to support the claim that gravitational interactions are attractive and depend on the masses of interacting objects.
Evaluate the merit of a design solution that reduces the damage caused by weather.	Make a claim about the merit of a design solution that reduces the impacts of a weather related hazard.

# Draft Standards

- As a group, practice using the Google sheet to draft a Louisiana standard.

# Grade Band Discussion

As a grade band group, discuss the following:

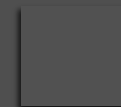
- What parts of this process seem clear?
- What parts of this process do you still have questions about?
- Is there anything specific to your grade band that needs to be discussed before beginning to draft the standards?

# Draft Standards

- Break into grade level and content group teams. Draft 1 Louisiana Student Standard. Before leaving for the day, ensure that you and your team are clear on the process and steps that have to be taken to draft each standard.
- Be prepared to draft all other standards for your grade or content area tomorrow.

# Louisiana Science Standards Review

Workgroups Meeting - September 12-13, 2016



# Draft Standards

- Break into grade level and content group teams. Draft the Louisiana Student Standards for your grade level or content area.

# Next Steps

- The next workgroup meeting is October 5-6 in New Orleans.
- Pre-work:
  - Analyze another group's standards using the Criteria for Quality Standards. Groups will be assigned by the committee chairs. Submit suggested changes to [LouisianaStandards@la.gov](mailto:LouisianaStandards@la.gov) by October 1, 2016.
- The logistics survey and event memo will be sent by Friday, September 16.

Thank You