

AGENDA

K-5 Science Adoption Committee Meeting

April 9th, 2018

8:00 a.m. – 4:00 p.m.

Meeting Outcomes

- Deepen understanding of the Next Generation Science Standards: what does it look like in practice?
- Begin considering rubric criteria for evaluating curriculum materials.

8:00 a.m. – 8:30 a.m.

Welcome and Introductions

8:30 a.m. – 9:00 a.m.

NGSS Connections and Ambitious Science Teaching

1. Introduce NGSS Science & Engineering Practices & explain how AST privileges Developing and Using Models to Build Science Explanations
 2. Why does it support students?
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9:00 a.m. – 9:30 a.m.

Talk About Talk

1. Video: What's different about the new science standards?
 - a. Why do we want to increase student discourse in science?
 2. Video 2: Giovanni
 - a. How can having students talk about their science ideas support them in developing explanations?
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9:30 a.m. – 10:30 a.m.

Transcript of Talk: Eclipse Examples

1. Introduce the Talk Primer 1-pager
2. Teachers A, B, C:
 - a. What do these teachers come to know about their student's science ideas?
 - b. How is this helpful when asking students to engage in developing and using models to construct a science explanation?

Talk Primer

*Talk
Transcripts*

10:30 p.m. – 11:30 p.m.

Circuits Unit: Eliciting Science Ideas

1. Introduce the Circuits Unit/Unit Trajectory
2. Teachers experience the Circuits Unit, Eliciting Science Ideas
3. The Model Scaffold
 - a. What is a model scaffold? How do we use it?
 - i. i. What do teachers notice? Entry points for students?

*Model
scaffolds*

*Circuits unit
kit stuff*

11:30 a.m. – 12:30 p.m.

Lunch

12:30 p.m. – 1:00 p.m.

Reflection

What have you heard so far that is familiar? Different?

1:00 p.m. – 2:30 p.m.

Looking Across an Entire Unit: Analyzing Student’s Science Ideas to Adapt Curriculum (Circuits Unit)

Unit guides

1. Student Work Samples
 - a. What are student’s science ideas?
 - b. What would a “class list” of hypotheses be?
 - c. What ideas would you leverage?
 - d. If this is our starting place, how could students leverage each other’s ideas and co-construct a rigorous science explanation over time?
2. The Unit Plan
 - a. How would you change the unit plan?
 - b. What would you do next in instruction if you were the teacher?
 - c. Q & A time about the Unit

Student work samples

2:30 p.m. – 3:30 p.m.

Rubric Development Conversations

- What criteria should we be considering when evaluating instructional materials?

3:30 p.m. – 3:00 p.m.

Reflection & Debrief

How will this kind of instruction support us in enacting the NGSS?

- Ah-ha’s, take aways, questions
- Clock hour/credit half-sheets
- Exit survey: <https://tinyurl.com/k5sci49>

Future Meeting Dates:

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| 1. Tuesday, May 1 | 8:00 AM – 4:00 PM |
| 2. Monday, May 21 | 8:00 AM – 4:00 PM |

Accessing the K-5 Science Adoption Committee OneNote Notebook

