

Science 5-12



2017 Fall Institute

Presenter Information



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Outcomes



- Discuss ways to engage students
- Learn about ways that inquiry can improve student learning
- Align assessment of student-learning with the objectives for each lesson/unit
- Dive into resources to find help with content and pedagogy, and
- Learn about way technology can support students as they learn of science.

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Where's the Science



Gallery Walk

- In each prompt, script a connection to science
- You can collaborate with a partner
- As you rotate, you can respond to the prompt or you can respond to what someone else has written
- 1 minute at each station. Facilitator will prompt you when to move to the next image.

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Where's the Science Debrief



- What did the activity address?
- How could you use a similar activity with your students?

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Engaging in Science



What are challenges to engaging your students in science?

bit.ly/17ScienceResources

Use the padlet to explore ways to engage in science:

- 6-8 resources (lesson plans/labs)
- 9-12 resources (lesson plans/labs)
- Gizmos

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Tech Tool Slam



Everyone gets a card

Get in groups by suites (15 min)

- Lindsay - hearts
- Marquis - diamonds
- Lori - clubs
- Rebecca - spades

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Tech Tool Slam



Remember your card

Get in groups by numbers

- Each person gets 5 minutes to teach their tech tool to small group (20 min)
- Chart paper divided into 4 quadrants: for each tech tool describe specific ways you will use it in your science class (20 min)
- Gallery Walk (5 min)

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What is inquiry



ENGAGE

Individually - on 1 sticky note - define inquiry

In table group - discuss variant ideas and create a group definition of inquiry and record on top half of chart paper

What is inquiry



EXPLORE

What is inquiry



EXPLAIN

Each group be prepared to share what you did in your group.

Did it fit with your group definition of inquiry?

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What is inquiry



EXTEND

Read - "Is the Inquiry Real?"

Revisit your group definition of inquiry.
Create a revised definition and record on bottom of chart paper.

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Plan

Create a lesson or unit plan implementing what you have learned today!

Don't forget to utilize the expertise of your colleagues.

(25 minutes)

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Assess

[lex]svq exzi\$ewwiwwq irx\$wexikniw\$ns\$sy\$pois\$xm-iC

Padlet

<http://bit.ly/2f0IHOQ>

60 Formative Assessment Tools

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Assess

Answer the questions in the Google quiz below:

[Science Content Quiz](#)

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Closing



Thanks
for
Your
Time!

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