

Inquiry Science as the Core of STEM Instruction: A Classroom Teacher's Perspective

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Introductions

- Melaine Rickard, M.Ed
 - 6-8 ELA, Social Studies, Science
 - K-12 AIG
 - Currently teach AIG
 - 25 years experience
 - Kenan Fellow
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Chemical Change Lab

What do you notice? What do you wonder?

Debrief

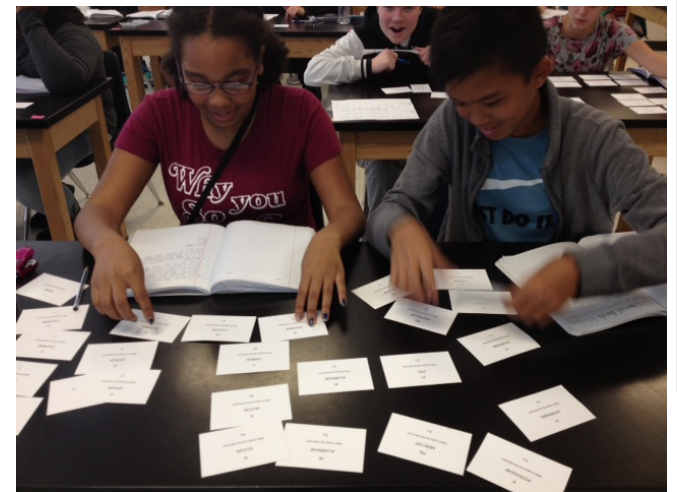
- Observations

- Questions

What does this look like in a real classroom?



- Instruction/Teaching
- Context
- Misconceptions
- Goal



What is needed?

Materials

- Sources—kits, self-sourced
- Grant programs—Biogen, PRISM, Bright Ideas, Target, Donors Choose,

Teachers

- Skills
- Training
- Comfort with questions
- Support

How an ELA teacher became an inquiry teacher...

- Training and Coaching
- Willingness to try
- Willingness to fail (and try again)
- Comfort with not knowing all the answers
- Comfort with allowing students to confront their misconceptions
- Willingness to live with productive noise
- Willingness to do the prep work, set up procedures, and focus on safety