Welcome to the Hamilton County District In-service:

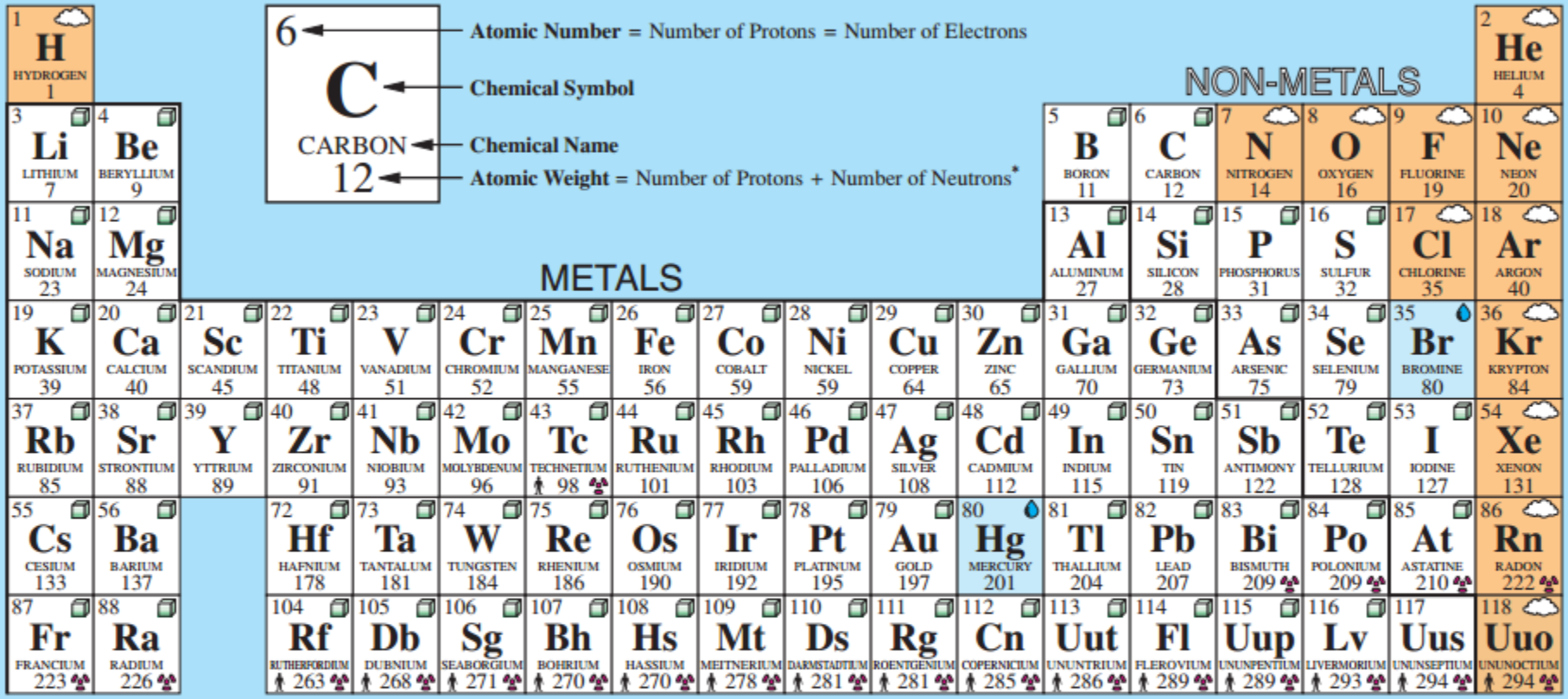
Learning and Growing Together

January 6, 2015

Get to Know Your Table Group

- Ice Breaker

The Periodic Table of Elements



KEY

- = **Solid** at room temperature
- = **Liquid** at room temperature
- = **Gas** at room temperature
- = **Radioactive**
- = **Artificially Made**

* The atomic weights listed on this Table of Elements have been rounded to the nearest whole number. As a result, this chart actually displays the **mass number** of a specific isotope for each element. An element's complete, unrounded atomic weight can be found on the It's Elemental web site: http://education.jlab.org/itselemental/index.html

Hamilton County's Core Beliefs:

1. **Believe in the power of students and teachers to grow their intelligence.** **Intelligence can be grown through effort and continued learning.**
2. **Focus your work on the important things! Don't get caught by the distractors. Focus on high-impact instructional practices. These must become the regular culture and vision of our school/district.**

Purpose and Vision

Create an atmosphere of openness, collegiality and true professionalism through:

- **Shared Norms and Common Language**
- **Promoting Growth through Collaboration and Continued Learning**
- **Engaging Students through Research-based Best Practices**
- **Encourage Reflective Practice**

Structure of the Day

8:30-11:30 **Vertical Learning Cohorts**
- Brief Review from August
- Engaging in Science Together as a Learner and Teacher
- The Growth Mindset

11:30-1:00 **Lunch**

1:00-3:00 **Grade/Course Level Learning Cohorts**
- Apply the TAGS
- Plan for Anticipating and Monitoring Student Learning
- Curriculum/Pacing Discussions/Work

3:00-3:15 **Summary/Closure**

Secondary Science District Norms

- **Keep student learning at the center of all decisions**
- **Be respectful of other's time — Begin and end on time**
- **Monitor air time and share your voice**
- **Be solutions oriented – For the good of the group, look for the possible**
- **Risk productive struggle**
- **Actively participate and bring requested materials**
- **Share a sense of responsibility for student learning**
- **Be professional at all times**
- **Be the learner you want in your class**

Important Moments Sheet and Evaluations

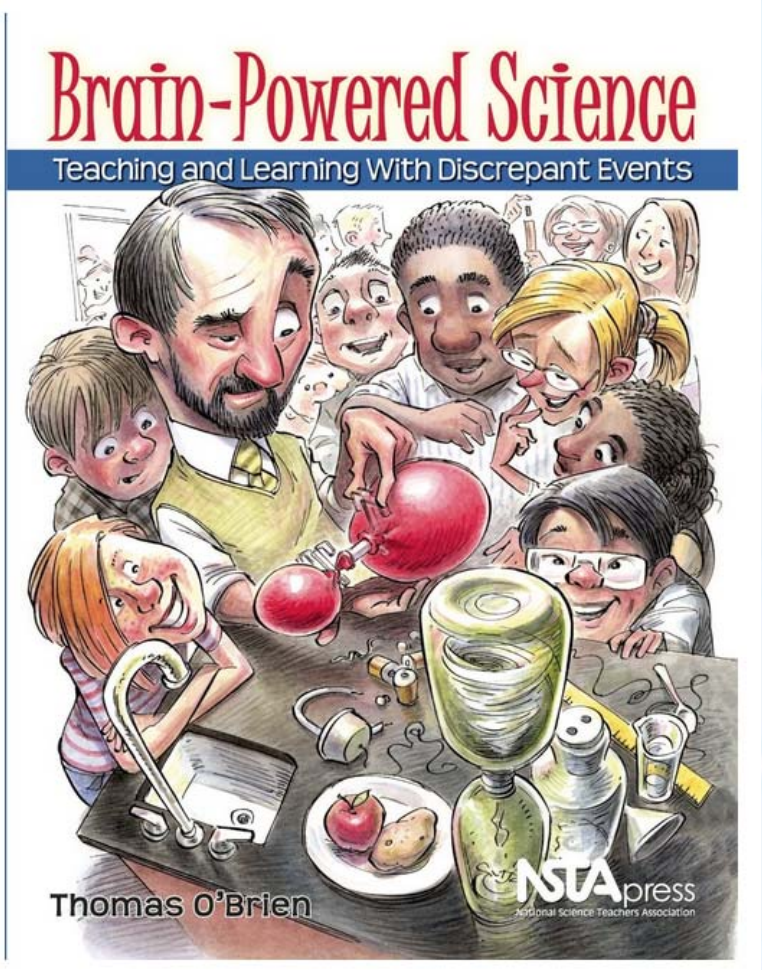
Vertical Learning Cohort Goals:

- **Review the Roles of the HOI/HOP, Informational Texts, Accountable Talk, and the TAGS**
- **Engage in some science together – first as learners and then as teachers.**
- **Introduce Public Records and the 5 Productive Talk Moves**
- **Positively Impact Student Learning by Supporting the Development of a Growth Mindset**

A Quick Review:

- Habits of Interaction and Practice are the expected norms of the classroom and behaviors of Hamilton County students.
- Informational Texts are to be carefully selected to provide context, elaborations and support to the learning of scientific concepts. They are not to replace the exploratory and inquiry-based nature of learning science.
- Accountable Talk is a high leverage strategy that improves engagement, supports learning, and provides formative assessment. We will be learning about a protocol to support Accountable Talk: the 5 Talk Moves.
- The Task Analysis Guide for Science (TAGS) will be used as a common district tool. Emphasis is not about "Tagging" a task correctly, but more about the conversations of what we are asking students to do and learn.

Engaging in Science as a Learner



Engaging in Science as a Teacher

What did the task have you doing?

Engaging in Science as a Teacher

What Habits were evident in the lesson? Where? Be specific.

Engaging in Science as a Teacher

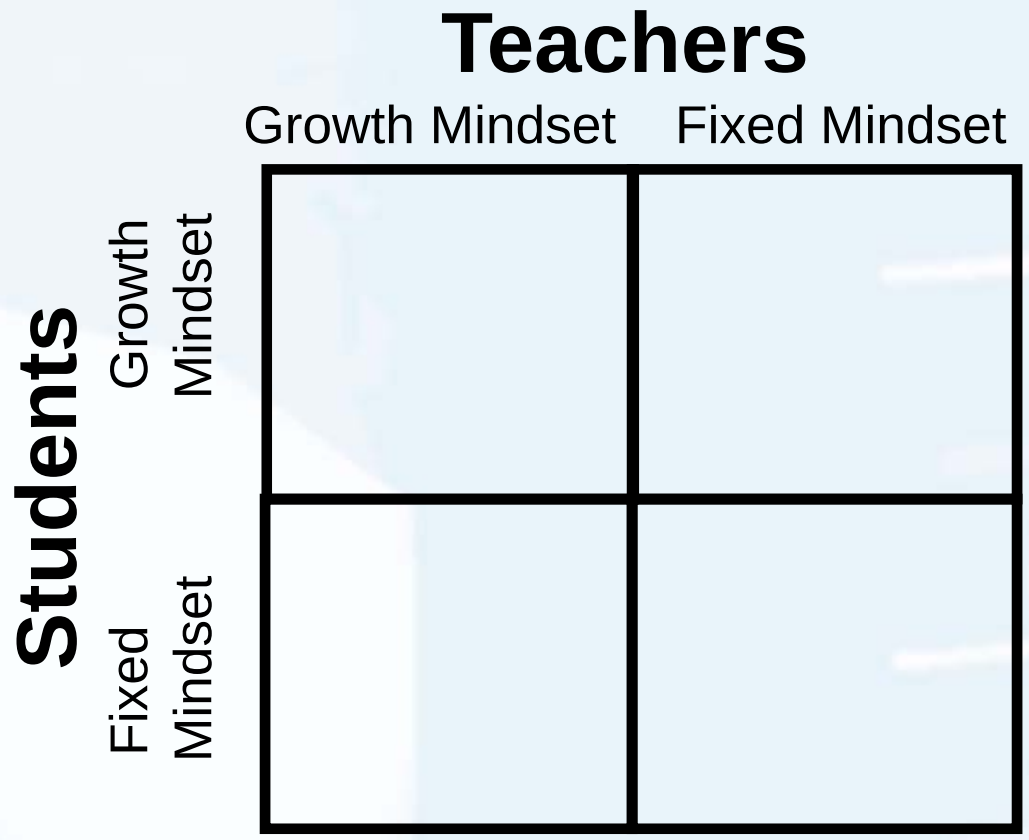
What instructional practices/ strategies were used in the lesson? Where? Be specific.

Break

Creating a Growth Mindset in Your Students

- What key ideas from the article really resonated with you?
- What questions does this article raise?
- What implications does this have for your work?

Mindsets: What do they look and sound like in a Science Classroom?



Embracing Failure

Life = Risk

Morning Reflection and Evaluations

www.hcdescience.weebly.com