What is Science Coaches?

• Educational outreach initiative dedicated to enhancing science skills
Science Coaches

• One-on-One
  – In person
  – 1 teacher, 1 coach
  – Meet at least 6 times

• Teams
  – Virtual
  – 3 teachers, 1 coach
  – Post questions, comments, at least twice a month

• Teacher must be an AACT teacher member
One-on-One

- Partnered for one school year
- Can volunteer in the classroom (with students), or behind the scenes (with just the teacher)
- $500 donation to teacher’s school
What Can a Coach Do?

- Demos, experiments, lessons
- Organize or clean stockrooms
- Mentor students or clubs
- Incorporate NGSS into lessons and presentations
- Answer content questions
- Give presentations about your job or field of study
Teams

• Partnered for one school year
• Virtual, private, discussion-based setting
• Special webinars, presentations, and other opportunities for participants
Team Amber 2017

Start a New Discussion

TEACHING METHODS | 10 COMMENTS
Crowdsourcing, Gamification, and Citizen Science
Started 6 days ago by Amber Carr.

TEACHING METHODS | 3 COMMENTS
Final Projects
Started 7 days ago by Lacy Buck. Last comment 4 days ago.

This is your Science Coaches forum! Please use this space to ask questions, develop lesson plans, or actively discuss anything with your coach! The list of badges to earn is attached here!

Badges-2017.docx

COACH
Amber Carr
acarr@us.ibm.com

AACTconnect Admin
31170183@acs.org
Crowdsourcing, Gamification, and Citizen Science
Started 6 days ago by Amber Carr.

Final Projects
Started 7 days ago by Lacy Buck. Last comment 4 days ago.

Checking In
Started 27 days ago by Brandy Hildebrand. Last comment 19 days ago.

Energy/Thermochemistry
Started about 1 month ago by Lacy Buck. Last comment 26 days ago.
TEACHING METHODS

Equilibrium in honors chem
Started about 1 month ago by Loyola Pasiewicz.

We are about to start the equilibrium unit in my honors level chemistry class. Each year, students struggle with this unit and the math that goes along with it. In the unit we look at: what is equilibrium, which way will equilibrium shift, Q compared to K and we use RICE (or ICE) tables. We also look at Ksp and molar solubility and I like the Ksp Phet simulation. Often students get lost in the math and forget to connect it back to what it all means for the particles in the system.

What are your favorite equilibrium activities that allow students to not only conceptually understand equilibrium but also to get them better at understanding and connecting the math needed for the problem?

2 Comments

KALEB UNDERWOOD
Posted 20 days ago
What Can a Coach Do?

- Answer chemistry questions
- Develop lesson plans
- Facilitate discussions
- Advise on real-world applications
- Virtual lab tour
Why Participate?

- Benefit to teachers
- Benefit to coaches
- Benefit to students
Benefit to Students

• Real world applications for lessons
• Enhancing science skills
• New lesson, lab, demo, activity ideas
• Science role model
Why Be a Coach?

• It’s rewarding!
• It enhances chemistry education!
• It’s easy and fun!
Who Can Be a Coach?

- Professionals
- Graduate students
- Professors
- Retired or semi-retired
- Former or retired teachers
Effective Partnerships

• Talk with your teacher or coach
• Goals
• Open communication
• Open to new ideas
• Be flexible
Requirements

- Application
- Surveys/feedback
- Principal/headmaster
- Volunteering protocols
Application

• Opens May 1
  – AACT Website: Teachers
  – ACS Website: Coaches
• Closes August 15
Matching

• Apply together with a teacher or coach
  – Make sure you both apply with each other’s info

• We will attempt to match you
  – Someone geographically close to you
Restrictions

• Must be an AACT teacher member
• Can only be in Teams or One-on-One
• A current teacher can not be a coach
• Coach-teacher partners may not share finances
• Must reside in USA
Next Steps

• Apply May 1!
• Tell your friends, colleagues, etc.
• Read more information about the program on the ACS or AACT website!
Contact Information

Jackie Meyer
Science Coaches Associate
J_meyer@acs.org
202-912-3432

teachchemistry.org
To complete a brief survey about this webinar, and to generate your certificate of attendance, visit:

To Download Resources: