Session 6 Discussion

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Our Agenda

• About SKI framework
• KIE
• WISE
  - tour
  - mini-project in pairs
• Break
• Professional Development
  - Activity in groups of 4
  - Presentation of plan
• Scaffolded Knowledge Integration
• What is scaffolding?
• What is autonomous thinking?
• What is visible thinking?
• Has 4 main principles
  – Identifying New Goals for Science Learning:
  – Making Thinking Visible:
  – Encouraging Autonomous Learning:
  – Providing Social Supports:
Exploring KIE

• Knowledge Integration Environment
• Uses SKI framework
• For middle and high school students
• Web-based and software components
• Research confirms that multimedia is beneficial for learning science
• Challenges: How can the process of finding web evidence be scaffolded?
• Preceded WISE. Has same goals.
• http://kie.berkeley.edu/
• http://kie.berkeley.edu/KIE/teacherctr/firstperson.html
Exploring WISE

• Web-Based Inquiry Science Environment
• For grades 4-12. (Developing K-3 projects.)
• Mini tour [http://wise.berkeley.edu/](http://wise.berkeley.edu/)
• Project in groups of 2.
Professional Development

• Activity: In groups of 4. You have volunteered to plan the professional development program for a program to train teachers to use a program like WISE or KIE.

• Prepare a 5 minute presentation of your professional development plan that includes
  – the school environment (urban, rural, high performing, etc),
  – computer/Internet access,
  – where/when/how long training takes place & materials needed
  – incentives/challenges for students and teachers, tradeoffs

• Refer to the Wilson/Berne and Cochran-Smith/Lytle articles, the SKI principles, class discussions, prior experience, etc.
Questions

• Do you have any comments or questions?

• Thank you!