Utilizing inquiry-based instruction to cultivate global 21st century skill sets

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Essential Question:

What is the role of agriculture education globally?
AEE 400: Global Agricultural Education

Purpose:

- Develop student global competency
- Impact global and domestic agricultural education
21st Century Skills

21st Century Student Outcomes and Support Systems

Life and Career Skills

Learning and Innovation Skills – 4Cs
Critical thinking • Communication
Collaboration • Creativity

Key Subjects – 3Rs and 21st Century Themes

Information, Media, and Technology Skills

Standards and Assessments
Curriculum and Instruction
Professional Development
Learning Environments

Partnership for 21st Century Learning, 2015
Set for Success

- Class held in Krause Innovation Studio
- Divided students into “houses”
Preparation

- Students explore content before class
- Engage in analysis and further exploration of content
Inquiry-based Learning

- **House Challenges**
  - Class time to work in groups, instructor support
  - Online and face-to-face collaboration
  - Required creativity and innovation
  - Group awarded “house points”
Example House Challenges

- Create a lesson plan for a study abroad class to teach in Costa Rica
- Attracting youth to agriculture
- Indigenous knowledge and global agriculture education
- Worked with a Fulbright scholar on teaching agriculture in low resource environments
- Wouldn’t it be cool if...
- Worked on PSU project – creating an agriculture university in Rwanda
Addressing the 21st Century Skills

- Information and Technology Skills
  - Creating
  - Utilizing new tools
  - Search and discover

- 4Cs
  - Creativity
  - Critical Thinking
  - Collaboration
  - Communication

- Life and Career Skills
  - Initiative
  - Self-direction
  - Leadership
  - Productivity
  - Accountability

- 21st Century Themes
  - Global awareness
Questions?