



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

Melanie Miller Foster, Daniel Foster, Nur Husna Abd Wahid
Penn State University

AEE 400: Global Agricultural Education



- ▶ **Essential Question:**
- ▶ What is the role of agriculture education globally?



AEE 400: Global Agricultural Education

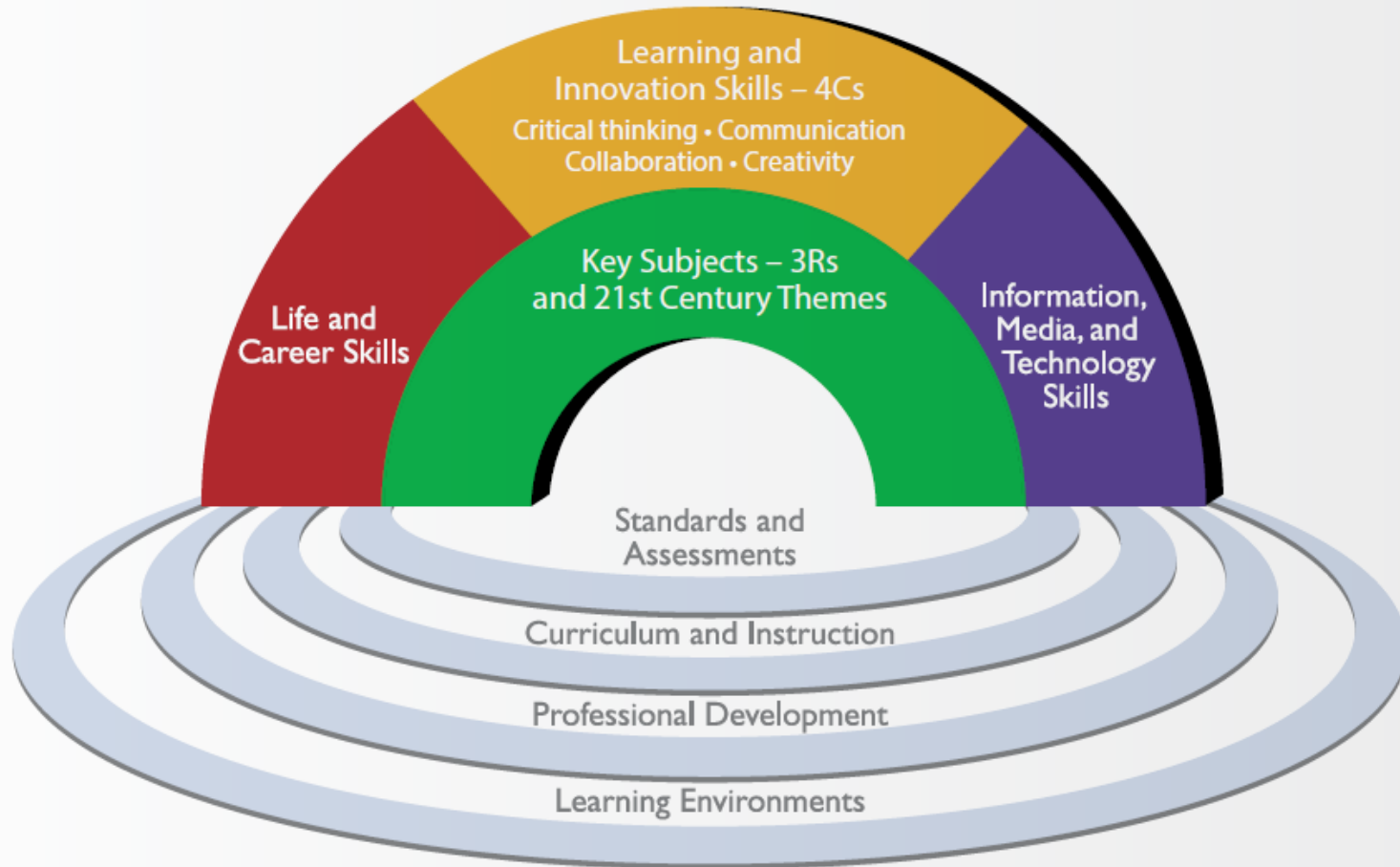


- ▶ Purpose:
 - ▶ Develop student global competency
 - ▶ Impact global and domestic agricultural education



21st Century Skills

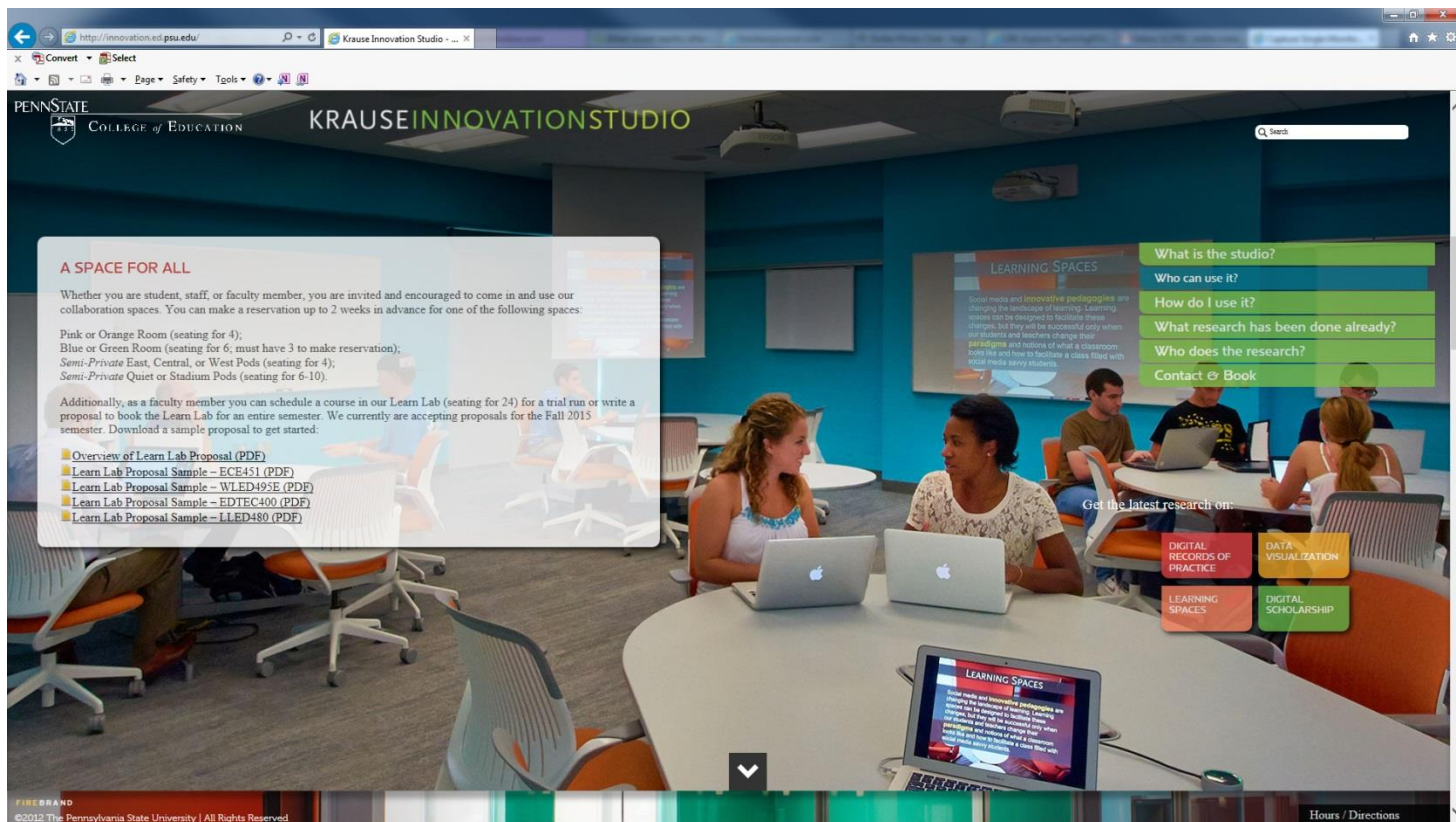
21st Century Student Outcomes and Support Systems



Set for Success

▶ Class held in Krause Innovation Studio

▶ Divided students into “houses”



Preparation

- ▶ Students explore content before class

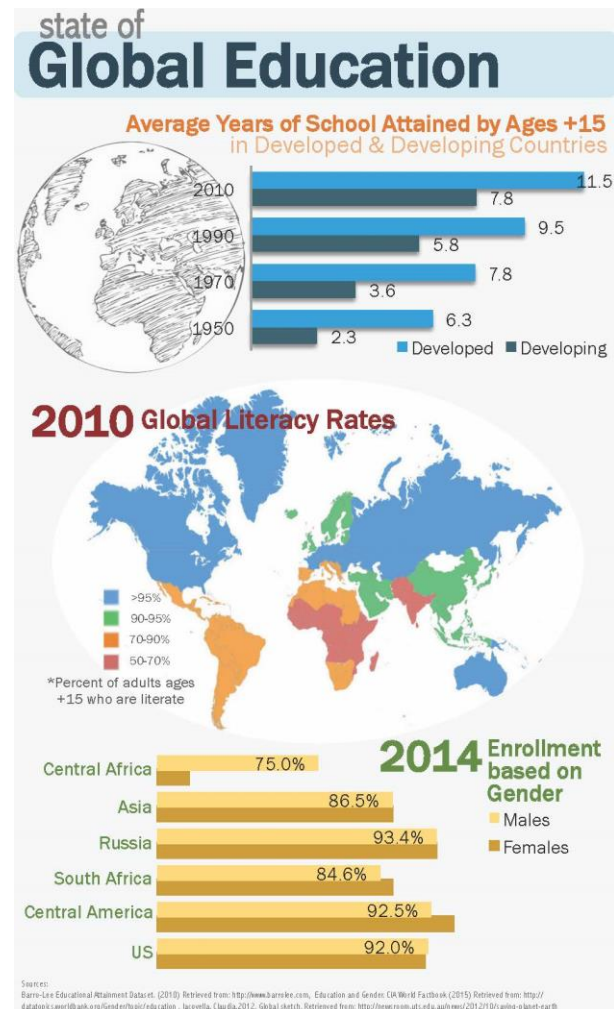


- ▶ Engage in analysis and further exploration of content



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?

