Global Learning in the Research Environment: Making the Most of Collaboration to Generate Innovation

Architecture for Global Learning – Series II

March 7, 2018
2:00-3:00 p.m. EST
**Volume too low?** Check to ensure volume is turned on and up in **three** different places:

1. The Adobe Connect speaker icon
2. The volume on your speakers
3. The soundcard on your computer

**Hearing an echo?** Be sure you have only one Adobe Connect window open per registration.

**Visual input issue?** Check your internet connection and any workplace bandwidth restrictions that may be in place.

**Need help?** Contact Blue Sky eLearn at 1-888-364-8804.
### Q&A Box
- Private – for Q&A Session
- Submit questions throughout the presentation
- Questions display only to the presenters

### Participant Chat
- Public
- Comments display to everyone

Have you downloaded your handouts?
How many people are participating at your site?

- 1
- 2-4
- 5-7
- 8-10
- 10-15
- More than 15
What is your experience level?

- 0-2 years
- 2-5 years
- 5-10 years
- More than 10 years

What is your role on campus?

Type your answers in the Participant Chat
PRESENTERS

Ryan Watkins, PhD
George Washington University

Khanjan Mehta,
Lehigh University
MY STORY

• Engineering ► Math Education ► Instructional Design
• Needs and Needs Assessments
• Research You May Have Missed
• 30+ international journals
• Kids
WE SHARE SCIENCE

Susan Chan
Added 4 months ago from youtube.com

Asthma is Associated with Subsequent Development of Inflammatory Bowel Disease: A Population-Based Case-Control Study

BIID and Asthma. Drs. Ellen Kuenzig and Gilad Kaplan discuss their manuscript "Asthma Is Associated With Subsequent Development of Inflammatory Bowel Disease: A Population-based Case-Control Study" for the September issue of IBDH.

Add a comment...
For Instructors

We Share Science is an innovative way for students to share the research they are reading or conducting. Consider using one or more of the assignments below in your next course. You can, of course, edit any of these assignments to better fit your context.

Assignment: Analysis of Research Articles

Create three (3) short video abstracts for three (3) research articles. The abstracts should summarize the basic elements of the research and how the results relate to practice. You can create the video abstracts using the online presentation tool at www.WeShareScience.com, using PowerPoint on your computer, or using the webcam on your computer or cell phone. Each video abstract should be no more than 5 minutes long, focusing more on the content of the research article than on the production of the video.

When done recording the videos, upload each video to either YouTube.com or Vimeo.com and then pin it to www.WeShareScience.com. You will have to create an account with WeShareScience in order to create and post the abstracts. You can securely create your account using your current Facebook or Twitter account, or you can create one by email WeShareScience. With each video abstract be sure to write a description that includes, at minimum, the name of the lead researcher and the title of the article, though additional information in the description is useful.
PARSING SCIENCE
CREATING A CULTURE OF COLLABORATION (C3)

Think Tanks

- Being a Cross-Disciplinary Team Scientist: Being Prepared, Knowing Your resources, and using available tools
- Collaborative Technologies and Informetrics
- Crossing Gender, Ethnic, and Cultural Boundaries in Science and Research
- Educating Team and Interprofessional Scientists
- The Science of Team Science: Measuring Team Effectiveness
- Trust, Vision, Recognition, and Scholarly Credit

Recent Posts

- Better Collaboration via Better Tools Interprofessional Education Development Opportunity
- C3@GWU meets with University of Amsterdam Institute for Interdisciplinary Studies
- C3@GWU Welcomes New Think Tank Lead
- Conferences Dedicated to Collaboration and

http://blogs.gwu.edu/collaborativeculture/
SCIENCE OF TEAM SCIENCE

2018 SciTS Conference
SciTS & Team Science Resources
Past SciTS Conferences
Contact Us

REGISTRATION
SUBSCRIBE TO OUR LISTSERV
CALL FOR ABSTRACTS
CALL FOR WORKSHOPS
SPONSORSHIP
HOTEL & TRAVEL INFORMATION
AGENDA AND PROGRAM

Science of Team Science (SciTS) 2018 Conference
The Science of Team Science (SciTS) field is building the evidence base for how to conduct, manage, and support effective...
COMPUTATIONAL THINKING (AND SKILLS)

Image from: https://www.nextgurukul.in/KnowledgeWorld
WHERE TO NEXT

• **Micro-podcasting?**
  • Short audio summaries of research
  • Podcast + Twitter

• **Blockchain for Science?**
  • Individual “ownership” of your online science identity

• **Machine Learning?**
  • Models that will help services "push" useful research to you
KEY MESSAGES

• Being interdisciplinary is hard
  • Not for everyone
  • Support tools are required (and we can build them)

• Institutionalizing interdisciplinarity is even harder
  • Incentives and structures are key
  • Changing culture takes time

• We can start by creating a culture of curiosity and discovery
  • Identify challenges ► create solutions
  • Computational thinking and skills are foundations
  • Students (in any major) can benefit
  • Faculty and staff can lead by example
Global Learning in the Research Environment: Collaboration For Innovation

Khanjan Mehta
Vice Provost for Creative Inquiry
Director of the Mountaintop Initiative
Lehigh University
SKILLSETS, MINDSETS, AND PORTFOLIOS FOR THE FUTURE
**SKILLSETS**

**WEF 2020 Skillsets**
1. Complex Problem Solving
2. Critical Thinking
3. Creativity
4. People Management
5. Coordinating with Others
6. Emotional Intelligence
7. Judgment and Decision Making
8. Service Orientation
9. Negotiation
10. Cognitive Flexibility

**+ Foundational Skills**
1. Teamwork Skills
2. Communication Skills
3. ?
PORTFOLIOS
1. Are We Strengthening, Questioning, Refining our Expertise?

2. Are We Creating and Disseminating New Knowledge?

3. Are We Developing and Implementing Solutions?

4. Are We Preparing a New Cadre of Game Changers?
Bloom’s Taxonomy

1. **Remember**
   - Recall facts and basic concepts
   - define, duplicate, list, memorize, repeat, state

2. **Understand**
   - Explain ideas or concepts
   - classify, describe, discuss, explain, identify, locate, recognize, report, select, translate

3. **Apply**
   - Use information in new situations
   - execute, implement, solve, use, demonstrate, interpret, operate, schedule, sketch

4. **Analyse**
   - Draw connections among ideas
   - differentiate, organize, relate, compare, contrast, distinguish, examine, experiment, question, test

5. **Evaluate**
   - Justify a stand or decision
   - appraise, argue, defend, judge, select, support, value, critique, weigh

6. **Create**
   - Produce new or original work
   - design, assemble, construct, conjecture, develop, formulate, author, investigate

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**BLOOM’S (REVISED) TAXONOMY**
FRUITS OF INNOVATION
Developing Capacity for Global Impact: From Skill Sets to Mindsets - Registration opens in early 2018

**FRIDAY AND SATURDAY, JUNE 1-2, 2018 | PHILADELPHIA, PA**

The Forum on Global Learning is a new NAFSA Signature Program focused on global learning as it is applied in the classroom and across curriculum. This two day event, held during the NAFSA 2018 Annual Conference & Expo in Philadelphia and on the nearby Lehigh University campus in Bethlehem, Pennsylvania, engages participants with practicing experts (faculty, researchers, scholars, senior administrators) to explore strategic integration of global learning across programming while building capacity to further departmental and institutional goals. Critical discussion will be complemented by an interactive site visit to a campus using an innovative new approach.
Q & A WITH AUDIENCE

Q&A Box

• Type your questions into the Q&A Box
• Press Enter
• Your questions display only to you and the presenters
• Presenters will read the questions aloud and respond as time allows
Assessment of Global Learning: Performance Targets vs. Developmental Growth

April 13, 2018; 1:30-2:30pm EDT
Join NAFSA for the sixth and final session in our six-part Architecture for Global Learning Series II. Presenters will discuss how to navigate the uncertainties and nuance of assessing global learning, including which methods, tools, and approaches they recommend. Register: [www.nafsa.org/globallearningseries](http://www.nafsa.org/globallearningseries); Contact [sarahh@nafsa.org](mailto:sarahh@nafsa.org) with questions.

Sandra Crenshaw, PhD, Arcadia University
Craig Shealy, PhD, James Madison University
Jennifer Wiley, CoreCollaborative International
NAFSA Global Learning Programs
An education grounded in global learning provides a deeper perspective by considering and evaluating our interconnected social, political, and cultural systems.

www.nafsa.org/globallearning

Global Learning at NAFSA 2018 Annual Conference & Expo
May 27-June 1, 2018; Philadelphia, PA

• Teaching, Learning, and Scholarship Pre-Conference Workshops
• Seminar on Peace and Global Civil Society
• Global Learning Colloquium: Business
• Global Learning Colloquium: Health Professions
• Global Learning Colloquium: STEAM’D
• Forum on Global Learning

Join NAFSA in D.C. to share and learn from original research in international education!

April 6, 2018; 9:00am-4:00pm (EDT)
http://www.nafsa.org/researchsymposium