Fostering Collaboration and Engaging K20 Educators in Advanced Networking through Mentorship: The MAGPI Fellows Program
Presenters...

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What is the MAGPI Fellows Program?

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Creating a Culture of Innovation and Creativity

In this way, fostering innovation and creativity is often counterintuitive to the beliefs and practices of efficiency-minded business managers and administrators. According to Stanford professor Richard Sutton, creative, “weird” ideas work because they provide three key things: an increase in the range of an organization’s knowledge, the ability for people to see old problems in new ways, and an opportunity to break from the past. On the other hand, he warns that creative environments are often “remarkably inefficient and terribly annoying places to work.”

This suggests that teachers should attend to and scaffold students’ creativity by providing opportunities for students to engage in deep, complex thinking, employ strategies that are unorthodox and nonlinear, and to explore ideas that are new and even radical. Moreover, these opportunities should exist in an environment that is positive and upbeat, tolerant of failure, provides tools for experimentation, and has little overt evaluation of student work.
EXPERIENCE the MAGPI Fellows Program
The Fellows Program: Funding

• 2 years guaranteed funding at $90,000 from the Thickman Foundation

• Grant funding covers:
  • MAGPI staff time (administrative and development)
  • Fellows stipends ($500/fellow)
  • Travel stipends for training, field visits and I2 Meeting
  • $1000 per team for collaborative projects
  • Internet2 Member Meeting registration
  • Networking Dinner
Administrative Challenges = Opportunities for Creativity

- Technical logistics
- Shift in school district professional development priorities
- Economy
- Competing priorities for our Fellows and for the MAGPI Team
Plans for sustainability

- Create “Best Practices” Interactive Resource
- Advise/Council ‘start-up’ Fellowship programs
- Fund Collaborative Project Proposals
- Develop New Training Opportunities using a hybrid model
- Use Existing Fellows as Mentors, Trainers, Advocates
Cross-Cultural Collaboration & Mentoring

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About the
“We Want the World to Know”
Project

Do you ever feel that the world misunderstands or stereotypes your culture in relation to religion, ethnicity, race, or traditions? This project, We Want the World to Know..., is your opportunity to participate in a collaborative endeavor with secondary schools around the world. Now is your chance to share your view by creating a short video to promote cultural understanding and global perspective of your experience or reality. After viewing the other productions, plan to participate in a multi-site videoconference designed to promote a cross-cultural discussion.
Cross-Cultural Collaboration

Six high schools on three continents participated

We Want the World to Know Site

Project Challenges

• Technical
• Logistical
Portugal Exists

http://www.youtube.com/watch?v=igICWP5NaW8
What We Learned

• How to run a successful multi-point video conference
• How to work collaboratively at a distance
• How to find collaborative partners
• How to foster collaborations within and across institutions in K-20
• How to be a mentor for the next group of fellows
Collaborating with Content Partners & Training

- collaboration
- funding
- videoconferencing
- community of practice
- model
- MAGPI
- mentoring
- thickman foundation
- interactivity
- students
- teaching
- experience
- lessons
- project-based learning
- professional development

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The Fellows Summer Institute

Professional Development:
• high-quality videoconf
• high definition videoconf
• remote instrumentation
• digital library sources
• virtual reality

Collaboration
• sharing experiences
• brainstorming new projects
Fall and Spring Virtual Trainings

Project Updates (Three Teams Share)
Planning Interactive Collaborations
Videoconferencing Best Practices and Tips
Virtual Field Trip: Royal Tyrrell Museum
Program Observation: Size Matters
Fostering Dialogue in Multisite Videoconferencing
Other I2 Technologies
Life Science Zoo / Jeopardy Video Conferences
Zoo Animal Study Guide

The Berry Sisters: Galah or rose-breasted cockatoo: [http://www.sandiegozoo.org/kids/animal_galah](http://www.sandiegozoo.org/kids/animal_galah)

BerrySisters.doc


PolarBearNotes.doc


Armadillo.doc


Komodo Dragon Notes Pages.doc
## Zoo Jeopardy Game

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<th>The Berry Sisters</th>
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Student Reaction and Learning
Field Experience to Learning Experience

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MAGPI Fellows Program

Videoconferences

Field Experiences

Students
MAGPI Fellows Field Experiences

Princeton Plasma Physics Lab
Retrieved from U.S. Department of Energy website:
http://www.winlab.rutgers.edu/

Rutgers WinLab
Welcome to Winlab. (2010)
Retrieved from http://www.winlab.rutgers.edu/
Meeting About MATTER

Student Experiments:

Solid
Liquid
Gas
Plasma
Student Experiments
Princeton Plasma Physics
Educating All: Student & Teacher Learning

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Essential question:
Why is it important that global citizens take responsibility for the education of all its children throughout the world?

Education is a basic right and necessity for all
The Personal Global Education Experience: Connection with Po Leung Kuk Laws Foundation College, Hong Kong

The Micro-Perspective: Connection with US NGO Pennies for Peace

The “Big Picture” or Macro-Perspective: Connection with the UN through Global Education Motivators


A special thanks to all of our fellows and to the Thickman Family Foundation.