

STEM News

Science, Technology, Engineering, and Math

CONFERENCE February 3, 2010

Sponsored by Job Training for Beaver County, Inc. and Southwest Training Services, Inc., in cooperation with Pennsylvania State University Beaver

Penn State Beaver Student Union Building

8 AM Check-In & Continental Breakfast ★ Conference 9 AM to 3 PM

Dear Teachers, Counselors, and Administrators:

Where can you spend an interesting day at no cost to you gaining the inspiration, resources, and network to enhance your science, technology, engineering, and math programs? We are planning such a day for you at the upcoming 2010 Regional Science, Technology, Engineering, and Math (STEM) Conference, scheduled on February 3rd., at Penn State Beaver. A personal invitation is being extended to you to register early for this exceptional professional development opportunity.

The overall focus of the 2010 STEM Conference will be on preparing Pennsylvania's youth to be globally competitive learners and workers in the 21st. Century. We will feature presenters from Pennsylvania State University, California University of Pennsylvania, the Carnegie Science Center, the Pittsburgh Tissue Engineering Initiative, Evil Genius Designs, and the Allegheny County Office of the Medical Examiner Forensic Laboratory. Joining them will be an impressive group of "best practices" speakers and exhibitors.

Please take a few moments to review the 2010 Regional STEM Conference flyer which follows this correspondence. We are honored to have these knowledgeable individuals onboard. They share our goal of providing you with an informative day in which results-oriented instructional strategies will be shared and networking partnerships encouraged. Additionally, we are assembling a STEM Educational Resource Directory for you, along with making application to the Pennsylvania Department of Education for approval to award Act 48 credit to interested Conference attendees.

In summary, we would like to tell you that our Regional Career Education Partnership (RCEP) Advisory Committee continues to be instrumental regarding the successful planning and sponsorship of the 2010 Regional STEM Conference. We will continue to benefit from their guidance and support.

Best regards,

Deborah Newton

Deborah Newton, Executive Director
Job Training for Beaver County, Inc.
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Lisa Neil

Lisa Neil, President
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Regional Career Education Partnership (RCEP) Advisory Committee Partners

*A special Regional Career Education Partnership Youth Program
Event funded, in part, by the Pennsylvania Department of Labor
and Industry*

Beaver County Career and Technical Center
Catalyst Connection
Community College of Beaver County
Penn State Beaver



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“One mark of a great educator is the ability to lead students out to new places where even the educator has never been.”

~ Thomas Groome

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Early Registration Recommended

EMAIL jmurtha@jtbc.org
Job Training for Beaver County, Inc.
Or
aimee.cortese@verizon.net
Southwest Training Services, Inc.

Please provide the following information: Your name, affiliation, and phone number

8 AM Check In and Continental Breakfast

9 AM to 3 PM Conference

Penn State Beaver ■ Student Union Building



Speakers



Topic: Enhancing Scientific Literacy in the K-20 Classroom

Dr. Tanya Furman ~ KEYNOTE SPEAKER ~ Pennsylvania State University Main Campus

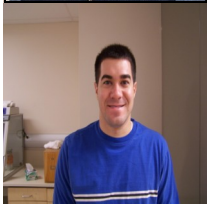
- Assistant Vice President and Associate Dean for Undergraduate Education
- Professor of Geosciences • Assoc. Dir. for Alliance for Earth Science, Engineering and Development in Africa
- Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring



Topic: How to Focus on the T & E in STEM

Dr. Stanley A. Komacek, DTE ~ California University of PA

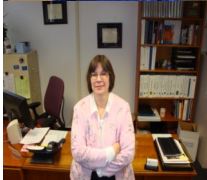
- Interim Associate Provost & Vice President Office of the Provost/Academic Affairs



Topic: Forensic Science & Education: TV vs. Reality

Aaron Schneider ~ Allegheny County Office of The Medical Examiner Forensic Laboratory

- Forensic Scientist



Topic: Are We Preparing Our Students to be Globally Competitive in the 21st Century?

Barbara Houtz ~ Director of Outreach, Eberly College of Science, Pennsylvania State University

- Author of “Teaching Science Today” and “Science Strategies Notebook”
- Albert Einstein Distinguished Educator Fellow



Topic: Bringing STEM Education to Life: Connecting Classroom Learning, Interactive Experiences and Real-World Opportunities

Linda Ortenzo ~ Carnegie Science Center, Pittsburgh

- Director of the Regional SciTech Initiative & Executive Board

Our great line-up of speakers continues...



Topic: Bringing Nanotechnology Into Your Classroom

Jamie G. Houseknecht ~ Nanofabrication Manufacturing Technology (NMT) College, Penn State Center for Nanotechnology Education and Utilization

- Recruitment Coordinator and Research Assistant



Topic: Regenerative Medicine: Exciting Youth About the Life Sciences

Joan F. Schanck, MPA ~ Pittsburgh Tissue Engineering Initiative, Inc.

- Director, Education and Workforce Development

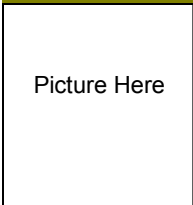


Topic: Coming Soon! Video Games in a Classroom Near You: The evolution of video games into learning vehicles and trends

Tracy Brown ~ Evil Genius Designs

- CEO and Founder

★ ★ ★ ★ ★ **Best Practices Forum**



Moderator: Nancy Tsupros

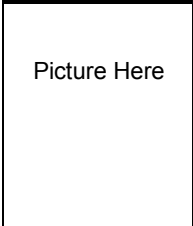
- Program Director IU1 Center for STEM Education
- Washington & Jefferson College



Topic: I³, Invention-Innovation-Inquiry: An Elementary Link to Technological Literacy

Dr. Sandy Cavanaugh

- Elementary Technology Education Teacher
- Canon McMillan School District



Topic: Partners in Education Initiative

Dr. Robert Staub

- Principal
- Freedom Area High School



Topic: Bots IQ Initiative

William Fiedler

- Technology Instructor
- Central Valley School District

PSU Beaver presents... **Global Perspectives on Math Education Roundtable**

FACILITATOR: Dr. Angela Fishman, Instructor in Mathematics

Featured Panelists

Dr. Zhongyuan Che, Professor of Mathematics (China) Dr. Sergey Yaskolko, Lecturer in Mathematics (Russia)

Mr. Abbi Dutt, Instructor in IST (India) Ms. Claudia Tanascovic, Instructor in Chemistry (Romania)