

IU1 Center for STEM Education

Website:
www.iu1stemcenter.org

Wiki:
stem.iu1.wikispaces.net

Twitter:
IU1STEMCenter

The IU1 Center for STEM Education

Putting research into practice, we are committed to:

- Providing professional development, including graduate level courses, for educators.
- Implementing research-based curricula.
- Offering summer camps for students.

New Funding Received by the IU1 Center for STEM Education to Promote Algebra Readiness in Grades 3-8!

IU1 Center for STEM Education is thrilled to announce that, in partnership with Penn State Fayette and the Southwest PA STEM Network, it has received a three-year Math and Science Partnership Grant in the amount of \$577,500 to promote Algebra readiness in grades 3-8. Funding from the grant will enable 60 teachers from Washington, Fayette, and Greene Counties to participate in an intensive 2-week summer math academy and school-year follow-up focused on the development of content knowledge, its application to classroom practice, and understanding of the role that mathematics plays in real world Science, Technology, Engineering and Mathematics (STEM) careers for students.

Participating districts include Brownsville Area, Burgettstown Area, Carmichaels Area, Connellsville Area, Jefferson-Morgan, Ringgold, Washington, and Champion Christian.

Catalog of STEM Services

Interested in learning more about the services offered by the IU1 Center for STEM Education? Check out our Catalog of STEM Services!

Now available on the IU1 STEM Center Website and Wiki.



Grant Revenue Generated during 2009—2010

Program	Revenue
Math & Science Partnership Grant	\$ 192,000
STEM Grant from the Benedum Foundation	\$ 66,000
STEM Integrator Grant from the Benedum Foundation	\$ 60,000
TOTAL	\$ 318,000

IU1 Center for STEM Education

W & J College
60 S. Lincoln St.
Washington, PA 15301

Phone: 724-250-3330
Fax: 724-250-3300

We're on the Web!
www.iu1stemcenter.org

STEM Programs

Nancy Tsupros,
Program Director
ntsupros@washjeff.edu

Science Matters Program

Richard Shutok, Consultant
rshutok@washjeff.edu
(412) 780-8974

Science Matters Materials Center

Rose Cosgray
rcosgray@washjeff.edu
(724) 225-8239

Math Support and PD

Amy Lewis, Math Specialist
alewis@washjeff.edu

Robotics Program

Randy Kohler, Consultant
rkohler@washjeff.edu

Summer Camps

Pamela Hupp, Consultant
phupp@washjeff.edu

STEM Program Highlights

Science Matters

- 45 Buildings in 16 School Districts
- New SM framework now includes K-8 engineering for the elementary classroom
- Robotics has been rolled in

Communication/Awareness

- The 2nd Annual Southwestern PA STEM Conference was held on May 21, 2010 for 62 participants
- The STEM website, wikipege, and Twitter account are regularly updated with opportunities and resources for teachers.

Summer Camps for Students

- 2 locations for camps: W&J College and Penn State Fayette Campus
- More topics included this year: programming with Alice, robotics, and rocketry



CPE Courses & Workshops

- 37 course and workshops were offered
- 677 participating teachers

Math-in-CTE

- Coaching program was established with Western Area CTC
- 25 WACTC teachers participated in a 48 hour Foundations of Math Course
- Coaching and coursework will continue at WACTC in 2010-2011

Integral Partnerships for STEM Curricular Implementation



STEM Education in SW PA Report
Robot Diaries Project



Engineering by Design
Robotics



TeachCraft
SMART Table Project



University of Pittsburgh
Pitt Kits




Engineering by Design
Reading to Learn the Science Content