



STEM THREADS – CYBER SCIENCE

Professional Development Workshop



WHO?

This professional development workshop is open to any middle school and high school teacher / administrator. Participants will include both hard science and liberal arts teachers from the 9th thru 12th grade levels. Some 8th grade teachers have also expressed interest in attending.

Important Note: We encourage schools to send two teachers each, a hard science (Math or Science) and liberal arts (History, English, Business, etc.) faculty member to ensure a built-in support mechanism for the teachers.

WHAT?

Louisiana Tech University and the Cyber Innovation Center have developed an innovative, project-based course that integrates STEM disciplines, 21st Century Skills, and Liberal Arts concepts through robotics. This course does not have a text book; rather students use a Parallax Boe-Bot to learn important concepts and fundamentals. This course was designed for 9th-12th graders of diverse capabilities and backgrounds.

"It's important that we provide teachers the necessary resources to fully engage their students in STEM fields. An innovative, 21st Century, project-based curriculum is just one example." – G.B. Cazes, CIC Vice President

WHEN?

July 19 – 22, 2011

WHERE?

Louisiana Tech University

WHY?

Technology is changing how we live, work and play. And today's students have grown up in a world of constant stimulation, instant access, and connectivity. Cyber Science leverages technology to engage students in STEM disciplines and 21st Century learning. Preliminary results show that this course curriculum can serve as a gravitational force to STEM learning and provide a mechanism in which to engage students.

All Participants Receive:

- ✓ A comprehensive professional development experience
- ✓ Hands-on, context-based professional development
- ✓ A Parallax **Boe-Bot**
- ✓ Course **lesson plans**
- ✓ Course **master notes**
- ✓ Course **homework assignments**
- ✓ Mentoring from University faculty



lesson plans



master notes



homework

SPACE IS LIMITED - RESERVE YOUR SPOT TODAY!