

FSRTC Presentation Proposals-2009

Thursday & Friday—November 12 & 13, 2009

Presentation slots are one hour with typical presentations completed in 50 minutes or less. Multiple slots for presentations requiring more time require special permission, but **MAY** be accommodated.

Presenter:

Name: _____

School: _____

Street Address: _____

City/State/Zip: _____

Email Address: _____

Phone: _____

Co-Presenter(s):

Name: _____

Position: _____

School/Business: _____

Email address: _____

Title (7 Words): _____

Description (25 words)

_____.

Intended Audience: **(Place “1”, “2”, “3” in blank to left to indicate Priority)**

- _____ Elementary School Teachers
- _____ Middle School Teachers
- _____ High School Teachers
- _____ College Teachers/Students
- _____ Administrators/Counselors
- _____ Technicians/Technical Professionals
- _____ Management/Business Professionals

Prioritize Strand: (Place “1”, “2”, “3” in blank to left to indicate **Priority**)

- _____ General Technology/General Interest
- _____ Technology Education (any level)
- _____ Technical Teacher Education
- _____ Human Resource Development
- _____ Environmental Safety & Health
- _____ Automotive (Service, D&HE, Collision Repair)
- _____ Graphics and Imaging Technologies
- _____ Construction Technology
- _____ Manufacturing Technology (Woods, Metals, Plastics, _____ Other)
- _____ Mechanical Engineering Technology/Design/CADD
- _____ Electrical/Electronics/Energy
- _____ Technology Management

Preferred Date: _____ Thursday Morning _____ Thursday Afternoon
 _____ Friday Morning

Main goals (4 Max) (*Optional*)

- 1. _____ ”
- 2. _____ ”
- 3. _____ ”
- 4. _____ ”

Brief Outline: (*Optional*)

- I.
 - A.
 - B.
- II.
 - A.
 - B.
 - C.
- III.
 - A.
 - B.
 - C.
- IV.
 - A.
 - B.
- V. Questions and answers

Media Requirements: _____

Example: FSRTC Presentation Proposals-2009

Presenters: John L. Iley (plus info)

Co-Presenters:

Jeff McCandless, Baxter Springs (Kansas) High School
Andy' Klenke, Technology Education, Pittsburg State University
Jeff Brooks, Electrical Technology, Pittsburg State University

Title (7 Words): Teaching “Green Building” in Construction Technology Programs

Description (25 words)

Program includes: basics of “building green” in construction technology programs; examples of schools incorporating ICF and home automation activities; and www.buildgreenschools.org ..

Intended Audience: High School Teachers

Strand (s):

Technology Education
 Construction Technology
 General Interest

Preferred Date: Thursday Morning Thursday Afternoon
 Friday Morning

Brief Goals:

- 1) Develop an understanding of “green building” basics.
- 2) Relate the use of ICF as one example of green technology in construction.
- 3) Describe home automation in terms of green technology.
- 4) Share how green technologies are being taught in education programs and shared with the general public.
- 5) Introduce teachers to the concept of the green school.

Brief Outline: See next page

Brief Outline:

- I. Green Building Basics
 - A. Definition
 - B. Description of “sustainable building”
 - C. Residential “green building” practices
 1. Energy efficiency
 2. materials efficiency
 3. water efficiency
 4. health and safety
 5. site—selection, preparation and maintenance
- II. Teaching Residential Construction using Insulated Concrete Forms [ICF]—(one example of building green)
 - A. What is ICF?
 - B. ICF vs. conventional home building
 - C. ICF and building green
 - D. Case study: Teaching ICF in Construction Technology at Baxter Springs High School
 1. Descriptions
 2. Activities
 3. Examples of finished structures
 4. Sharing with other programs—website and local middle school students
- III. Home Automation and Green Technology
 - A. What is home automation
 - B. Home automation and green technology
 - C. Case study: Teaching Home Automation at Pittsburg State University
 1. Description
 2. Lab facility
 3. Activities
 4. Sharing with other programs—website, tech literacy presentation in general education class, and open house for high school students
- IV. The Green School
 - A. Description
 - B. Rationale: Why “green schools”?
 - C. Benefits of “green school”
 - D. Resources
- V. Resources—For More Information
- VI. Questions and Answers