67th Four State Regional Technology Conference

Pittsburg State University/Kansas Technology Center
November 12-13, 2009

TENTATIVE TOPICS FOR 2009 (as of 10-09-2009)

Theme: "Sustainability Through Lean and Green Technology"

Special Events

BattleBots at Gorilla Ridge..Prizes
Mini-Excavator Big Dig Contest - Prizes
Tool Time—Limited to 100 (see website) Prizes
The Fixture Factory—Limited to 24 (see website)
TECA Regional Competitions—Live
Kansas Technology Education Association Fall Meeting

Technology Education Topics

The Fixture Factory--Parts 1 & 2
Wonders of Technology
Pitsco Goes Green
Also see—Alternate Energy Topics (9 topics) >>>>>>>>>>>>>>>
Car Crash Technology
STEM Curriculum: *Engineering by Design* (EbD)
Foundations for Technology & Center of Applied Learning
Kansas Technology Education Association (KTEA) Meeting
Technology Education Roundtable

Career &Technical Education (C&TE) Topics

Career Pathways Seamless Articulation: HS to CC to University
Foundations . . Setting the Stage for Career Clusters
Going Green with Web Conferencing
Going Paperless and Green with Wikis
Retention of Health Occupational Instructors in Kansas
Pre and Post-Test Measures to Assess Learning
High School Counselors Perceptions toward Career & Tech'l Ed

Manufacturing—Wood-Related Topics

Going Green in the Woodworking Industry
Alternate Selection & Conservation of Wood Lumber
Using the Carvewright in the Classroom
Intro to *Architectural Woodwork Institute* (AWI) Specifications Book
Lock Miter Jig & Joinery Techniques Part I (Initial Session)
Jig & Fixture & Joinery Techniques Part II (Advanced Session)

Manufacturing—Metals & Plastics Topics

Composite Curriculum for High Schools & Colleges
Recipe for Homegrown Welders
Computer Modeling Strategy Learning Activities
Recycling in the Classroom
Relating CAD/CAM and FEA to Industry
Preparing Students for the Industrial Revolution
Optimizing Metal Casting Process via Simulation

Mechanical/Design Engineering Tech Topics

STEM Curriculum: *Engineering by Design* (EbD)
Green Tech & Design
CAD in Industry: What Tools Are Being Used? (Implications)
Computer Modeling Strategy Learning Activities

Construction Technology Topics

Green Homes for the Future
Green Building Materials (2 Hours)
Smart Home Technology—Saving Green & the Environment
Residential Energy Audits
Your Role in the Green Environment/NCCER Curriculum
Mini-Excavator Big Dig Contest

Electrical & Electronics. Alternate Energy & Energy Conservation

Home Automation ("Smart Home . . .")
Alternate Energy Systems
Solar BikeRayce
Future Power for Automobiles
Green Homes for the Future
Windfarms & Green Technology
New Ideas in Energy Conservation
Energy Efficiency
BioFuel Technology

Automotive & Diesel Topics

Future Power for Automobiles
Trends in Diesel Fuel and Lube Technology (2 Hours)
Toyota Prius Hybrid Technology (3 Hours)
Hybrid Technology: Ford Fusion & Escape (3 Hours)
SkillsUSA & 2010 Auto Service Competition Updates

Graphics and Imaging Technologies Topics

Digital Photography
3-D Graphics in PhotoShop CS4
Digital Production Processes
Web Design
Journalism—Using InDesign
Variable Data Printing
Industry support Through Professional Organizations--IGEA

Human Resource Development & Technology Management Topics

Green Jobs and Regional Economic Development
Tech Tips Tricks & Timesavers for Going Green
Success in Professional Development—Interviewing & More
Benefits Administration—A Challenging Occupation
HRD Research Colloquium: Recent studies
HRD Research Colloquium: Projects in Progress
SHRM Chapter Meeting

Thursday Lunch: Calvin Jones BBQ Brisket & Sides
Friday Conference Banquet - Awards & Door Prizes
Keynote : "*Greensburg, Kansas—A Town Going Green*"

Tours—To be determined; see website.
Exhibits—Exhibitors; see website

65+ Programs - Door Prizes - 2 Meals - Website: http://www.pittstate.edu/college/technology/fsrtc/

Additional Program and Registration Information is Available Online.