

CITEA—the California Industrial and Technology Education Association—is holding its 83rd annual state conference in conjunction with this year’s ITEEA International Conference. The CITEA program will reflect the California practice of a hands-on, skill-based application of STEM principles in the classroom. Conference attendees will have access to both the California and the ITEEA programs. There is something for every interest, in every area and every discipline.



Thursday, March 15, 2012

11:30am–12:50pm

Renaissance, Naples 1-2, Lobby Level

CITEA Luncheon

Cost: \$35; ticket required

This CITEA Luncheon kicks off the 83rd annual state conference of the California Industrial and Technology Education Association.

1:00pm–2:50pm

LBCC, Room 201A

Using Outdoor Power Equipment to Introduce Students to Automotive Technology

Presenter: John Chocholak

LBCC, Room 201B

Simple Marquetry Project for Your Wood Technology Program

Presenter: Don Dupont

3:00pm–3:50pm

LBCC, Room 201A

Funding Your Wood or Construction Program

Presenter: Lance Gunnensen

3:00pm–4:50pm

LBCC, Room 201B

Building a Program Combining STEM and SHOP

Presenters: Dennis Walters, Alisa McCord, Larry Eynon, Kathy Looman, Mike McCarthy, and Jonathan Woodland

4:00pm–4:50pm

LBCC, Room 201A

Using NCCER National Certification to Build Your Program

Presenter: Karen Keith

6:00pm–7:30pm

Renaissance, Naples 1-2, Lobby Level

CITEA President’s Reception

Friday, March 16, 2012

11:00am–11:50am

LBCC, Room 201A

The Door to a Clean Energy Future is Through the Sun

Presenter: Tor Allen

LBCC, Room 201B

The Engineering Design Process and Design for Manufacture

Presenter: David Titus

2:00pm–2:50pm

LBCC, Room 201A

How to Make an RC Plane With a Laser

Presenters: Michael Voicheck and John Martinic

LBCC, Room 201B

CTE Online – Using an Online Curriculum Tool

Presenter: Mike Morris

3:00pm–3:50pm

LBCC, Room 201A

Western Regional Roundtable – CITEA

LBCC, Room 201B

Teaching STEM Concepts in Electric Guitar Building

Presenters: Steve Brown and Scott Rabe

4:00pm–4:50pm

LBCC, Room 201A

Using Small Engines to Teach Critical Thinking

Presenter: Russell Grainger

LBCC, Room 201B

Low-Cost Casting for High School Shops

Presenter: Martin Koch

6:00pm–8:00pm

Renaissance, Naples Ballroom, Lobby Level

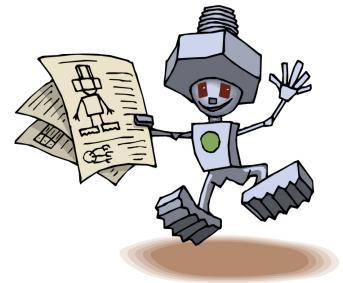
CITEA Banquet

Cost: \$35; ticket required

Full session descriptions are located throughout the conference schedule – CITEA events are open to ALL conference attendees.

Children's Engineering

Highlighting STEM in K-5 Classrooms



Who: K thru 5th Grade Teachers

What: Free Workshop on Integrating STEM into the Elementary Curriculum

When: Wednesday, March 14, 2012

Where: Renaissance Hotel ♦ 111 East Ocean Boulevard ♦ Long Beach, CA 90802

Time: 4:30 to 7:30 PM

Attention K – 5th Grade Teachers!

*Join us for an exciting session on elementary STEM integration presented by teachers for teachers. We'll spend the evening building background and participating in **hands-on** activities designed to help you identify technology and engineering that already exist throughout the busy day.*

WORK SMARTER, NOT HARDER!

Workshop Goals:

- Understand that STEM can be integrated into all areas of the school day.
- Internalize the meaning of technology.
- Understand the difference between science and technology.
- Recognize technology in everyday life.
- Experience the design process first hand.
- Understand how technology and design fit into lessons across your curriculum.
- Identify technology and engineering that already exist in your everyday lessons.
- Provide sources for ready-to-use activities.

Limit 20 Participants

(Snacks will be provided.)

**Please register by Friday, February 24, 2012 by contacting
Bob Claymier at technologyiselementary@yahoo.com**



Facilitators

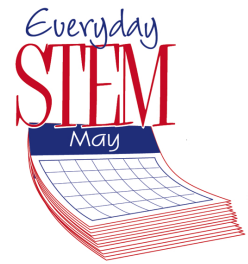
Ginger Whiting

Co-founder Children's Engineering Educators, LLC

Ginger Whiting spent her career as an elementary teacher in the Richmond City Public Schools, Richmond, Virginia, advocating meaningful hands-on activities that require students to apply everyday lessons as a way to develop ownership of essential knowledge and become self-confident learners.

Ginger became involved in design technology/children's engineering in the summer of 1998 and co-founded Children's Engineering Educators, LLC, which provides professional development to classroom teachers. In 2005 Ginger began serving as an adjunct instructor for Children's Engineering through the College of Graduate & Outreach Programs at James Madison University, Virginia, where the company has sponsored 29 graduate-level classes.

Ginger has coauthored two books, *Children's Engineering: A Handbook for Elementary Educators* (2009) and *Children's Engineering: Beyond the Basics* (2010). She is currently developing *Everyday STEM*, a professional development series for elementary educators.



Elizabeth Kirk
Classroom Teacher

Elizabeth Kirk began teaching in Lynchburg, Virginia in 1994 and currently teaches for Chesterfield County Public Schools in Chesterfield, Virginia. She became involved with Children's Engineering in 2007.

Elizabeth is an adjunct instructor for Children's Engineering through the College of Graduate & Outreach Programs at James Madison University, Virginia.

Elizabeth is advisor on the Professional development series *Everyday STEM*, a professional development series for elementary educators. She assists in making sure that the series will enhance lessons without adding another subject to the already busy days of elementary teachers.

Cindy M. K. Jones
Founder STEM in the GYM™

Cindy Jones received a Bachelor of Science Degree in Education from Virginia Polytechnic Institute State University in Blacksburg. She has taught Physical Education and Mathematics and brings a unique approach to teaching in Chesterfield County, Virginia. She is the past-president of the Virginia Children's Engineering Council and is the current Children's Council President of the ITEEA.

Cindy has won several awards for this program, including ITEEA Teacher of the Year. Her goal is to have students on their feet and out of their seat and bring active fun of the gym to the classroom, integrating STEM across the curriculum by working smarter, not harder.

STEM in the Gym™ philosophy is simple; increase academic time, increase physical activity time, and the strengthening of the mind-body connection... which in turn empowers the educational process.

