

APPLICATION TO PRESENT



<http://www.iteaconnect.org/Conference/apptopresent.htm>

DEADLINE IS JUNE 15, 2009

GREEN TECHNOLOGY: STEM SOLUTIONS FOR 21st CENTURY CITIZENS

Save the Planet! Make the world a better place! Become aware of how we can make a difference to sustain our environment through smart decision-making, consumerism, designing, creating, and using human ingenuity! These are all statements about GREEN TECHNOLOGY that need to be addressed today to properly save and use our resources for tomorrow. What better way to address these issues than through a science, technology, engineering, and mathematics (STEM) education. This conference will become a series of presentations about the use of design and technology to make a better society by using best practices to deliver education with an eye on 21st century learning skills as a basis for our future citizens.

STRAND ONE Designing the Green Environment

It is impossible to predict what "green technology" may eventually encompass. But, we can structure educational experiences that start to meet the needs of society in ways that can continue indefinitely into without damaging or depleting natural resources. What resources are out there which help students understand product design that can be fully reclaimed or re-used? How do we learn about alternative technologies? How do we reduce waste and pollution by changing patterns of production and consumption through education? Describe effective educational programs that will make a difference in the way we can design for a green environment and prolonged sustainability.

STRAND TWO Describing Best Practices through Teaching and Learning STEM

How should technological literacy be taught as a part of a STEM setting? What does research tell us about best practices? What curriculum and professional development ideas have worked in the classroom and laboratory? What resources are available which address all of the STEM areas in a cohesive manner in one seamless learning environment? Share your thoughts, ideas, and successes with STEM as the focus for teaching about technology, innovation, design, engineering, and sustainability.

STRAND THREE Developing 21st Century Skills

With each passing day, the impact of new informational technologies on society is intensifying. The effects of these technological changes on our society have been pervasive and dramatic in size and speed. The premium societal member will be the ones who are able to read and understand complex material, think analytically, and use technology efficiently. What contributions does a technological education bring to 21st century citizens? Which skills are needed and how should they be taught? What experiences should be designed to give our next generation of citizens the tools to become effective members of the 21st century?

**Generating
Resources
Engineering
Education
Now**