

ARE WE EDUCATING FOR A SUSTAINABLE FUTURE?



Summer Institute for Sustainability Education

K – 12 TEACHERS · JULY 9 - 13, 2007 · STI #3516

ONE-WEEK CURRICULUM DEVELOPMENT INTENSIVE

- **Focused strands for grades K-5, 6-8 and 9-12**
- **Integrate sustainability content and themes into existing math, social studies, science and ELA curriculum**

Sustainable Development, as defined by the World Commission on Environment and Development (the Brundtland Commission), is "the capacity to meet the needs of the present without compromising the ability of future generations to meet their own needs." CELF's Summer Institute is an intensive collaborative learning experience designed to build a community of K-12 educators who are sustainability education leaders and practitioners.

Days 1 - 2: Building Content Knowledge through topics such as:

Sustainable Development: definition and application points for K-12 teaching

Ecological Footprint: fundamentals of human/environmental interactions

Food Systems: economics, human health and the environment

Green Chemistry: chemical alternatives that promote sustainability

Ecological Economics: linking science, social studies, and civics

Climate Change: biodiversity, economics and policy

Genetic Engineering: ethics and health

Energy: technology, economics and future projections



Days 3 - 5: Curriculum Development Work Sessions

Teachers are encouraged to bring units, lesson plans or curriculum maps for makeovers. Curriculum makeovers will:

- Empower students through problem-based, inquiry-based, constructivist learning
- Apply systems thinking across curriculum
- Build a common vision and shared purpose for improving student achievement
- Apply interdisciplinary designs and community-based service learning

Extensive action-oriented resources will be provided.

CELFL

The Children's Environmental Literacy Foundation (CELFL) is a not-for-profit organization that is dedicated to providing opportunities for teachers, students and schools to learn and apply the concepts and principles of sustainability. CELFL's mission is to promote—through education—the knowledge, skills, attitudes and values essential for a sustainable future.

CELFL's programs for educators are based on the principles of SE: integrated content, research-based teaching methods, and school-community collaborations that promote environmental, economic and social well-being.

COURSE COORDINATORS

For more information, please contact STI Course Coordinators: Duncan Wilson, Middle School Assistant Principal: 721-2603 or Rachele Colantuono, Middle School CHOICE Teacher: 721-4522

INFORMATION

- Target Audience:** K-12 teachers
Focus areas of the Institute include: grades K-5; grades 6-8; grades 9-12.
Individual teachers welcome. Highly recommended for teams of teachers by either grade level or subject area.
- Credit Options:** Course is eligible for (3) in-service credits
- Date/Time:** July 9 - 13, 2007
8:30am - 3:30pm
- Location:** **Scarsdale High School**
Room 170-72
1057 Post Road
Scarsdale, NY 10583
- Fee:** \$225 for Institute
- Presenters:** Scott Beall, Director of Curriculum and Professional Development, CELFL
Susan Santone, Executive Director, Creative Change Educational Solutions

CELF Summer Institute for Sustainability Education

The CELF Summer Institute explores the topic of sustainability in depth and emphasizes Sustainability Education (SE) and its place in school curriculum. In a changing world, the Institute responds to the emergent need for improved and integrated K-12 SE. Issues of environment, social justice (equity) and economics pose important questions for the future of human society. All students, as corporate and political leaders, scientists, educators, engineers, architects and consumers of the future, need to understand global issues and how to create an environmentally healthy and more humane world. SE provides the lens through which existing curricula, subject areas and processes are integrated with systems thinking.

CELF's 2007 Summer Institute features prominent educational organizations and field experts:

Scott Beall, MA, Mathematics Education; Adjunct Professor, College of New Rochelle; Director of Curriculum and Professional Development, CELF; Enrichment Teacher, Brewster Central Schools

Mr. Beall is a teacher, lecturer, author and international education consultant. He received his masters degree in mathematics education from Stanford University with an emphasis in interdisciplinary curriculum and education reform. His first book, *Functional Melodies—Finding Mathematical Relationships In Music* (Key Curriculum Press, 2000) integrates the teaching of mathematics and music and is used by teachers and students worldwide. Mr. Beall's most recent curricular work is an interdisciplinary curriculum that utilizes systems thinking and principles of interdependence to integrate all school subjects within themes of global awareness, sustainable development and social responsibility. He has consulted and lectured in school districts and universities from Central America to Kazakhstan, and has taught extensively and developed programs for secondary, middle, and elementary school levels.

Susan Santone, MA, Intercultural and International Management; Executive Director, Creative Change Educational Solutions (CCES); Adjunct Instructor, Department of Teacher Education, Eastern Michigan University

Ms. Santone has worked with dozens of schools to provide curricula development, training, and programming in the areas of global studies, ecological economics, sustainable development, anti-discrimination, and the links among these. CCES works with schools across the country to integrate sustainability education into their K–12 core curriculum. Their workshops on global sustainability—developed in partnership with content experts such as Redefining Progress and the United Nations—are increasingly utilized by teachers across all disciplines. Also an instructor at Eastern Michigan University, Ms. Santone and CCES work with a number of colleges and universities to develop, offer, and support innovative courses and programs focused on sustainability, democracy, and community.