A Wrong Headed Approach to Teaching Climate Change

Second Annual Education Summit

June 22, 2012

Richmond, VA

by

Charles Battig, MD

Albemarle County Public School Home Page



Albemarle County School Board "Strategic Goals"

- Goal 1: Prepare all students to succeed as members of a global community and in a global economy
- Goal 2: Eliminate the Achievement Gap.
- Goal 3: Recruit, retain and develop a diverse cadre of the highest quality teaching personnel, staff, and administrators.
- Goal 4: Achieve recognition as a world-class educational system
- Goal 5: Establish efficient systems for development, allocation, and alignment of resources to support the Division's vision, mission, and goals.

"Strategic Goal" #1 OF 5

- Goal 1: Prepare all students to succeed as members of a global community and in a global economy.
- The rapid rise of technology in the late 20th century broke down geographical barriers, creating a global community and economy. In today's information age, students can expect to collaborate, as well as compete, with people around the world for jobs and business. Lifelong learning represents the skills and attitudes needed to succeed in the multi-cultural, fast-changing global community. Developing graduates capable of acquiring new knowledge at all stages of life and applying it is a necessity.

RIO+20 Began June 20, 2012



UN Department of Economic and Social Affairs

Division for Sustainable Development

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Statements & Presentations

Major Agreements & Conventions

Acronyms & Abbreviations

Resources > Publications > Core Publications

Core Publications Agenda 21

Cover

Sec I

Sec II Sec III Sec IV Rio Declaration Forest Principles

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Agenda21

Order

Agenda 21 is a comprehensive plan of action to be taken globally, nationally and locally by organizations of the United Nations System, Governments, and Major Groups in every area in which human impacts on the environment.

Agenda 21, the Rio Declaration on Environment and Development, and the Statement of principles for the Sustainable Management of Forests were adopted by more than 178 Governments at the United Nations Conference on Environment and Development (UNCED) held in Rio de Janerio, Brazil, 3 to 14 June 1992.

The Commission on Sustainable Development (CSD) was created in December 1992 to ensure effective follow-up of UNCED, to monitor and report on implementation of the agreements at the local, national, regional and international levels. It was agreed that a five year review of Earth Summit progress would be made in 1997 by the United Nations General Assembly meeting in special session.

The full implementation of Agenda 21, the Programme for Further Implementation of Agenda 21 and the Commitments to the Rio principles, were strongly reaffirmed at the World Summit on Sustainable Development (WSSD) held in Johannesburg, South Africa from 26 August to 4 September 2002.



One Year After UN's RIO AG21



President's Council On Sustainable Development

Between June 1993 and June 1999, the PCSD has advised President Clinton on sustainable development and develops bold, new approaches to achieve economic, environmental, and equity goals. We are committed to the achievement of a dignified, peaceful, and equitable existence.

Overview

Members

Contact Directory

Task Forces

Publications

Council Meetings

Authorizing Documents

National Town Meeting for a Sustainable America







To comment on this service, send feedback to the <u>WebDevelopment Team</u>.

President's (Clinton) Council National Goals *Sustainable America* 1996

National Goals Towards Sustainable Development

GOAL 10:

The Council first published these goals in its 1996 report, Sustainable America. They emerged from our vision and still express the Council's shared aspirations. They are truly interdependent and flow from our understanding that it is essential to seek economic prosperity, environmental protection, and social equity together. The achievement of any one goal is not enough to ensure that future generations will have at least the same opportunities to live and prosper that this generation enjoys: all are needed.

GOAL 1: HEALTH AND THE ENVIRONMENT Ensure that every person enjoys the benefits of clean air, clean water, and a healthy environment at home, at work, and at play. GOAL 2: ECONOMIC PROSPERITY Sustain a healthy U.S. economy that grows sufficiently to create meaningful jobs, reduce poverty, and provide the opportunity for a high quality of life for all in an increasingly competitive world. GOAL 3: EOUITY Ensure that all Americans are afforded justice and have the opportunity to achieve economic, environmental, and social well-being GOAL 4: CONSERVATION OF NATURE Use, conserve, protect, and restore natural resources - land, air, water, and biodiversity — in ways that help ensure long-term social, economic, and environmental benefits for ourselves and future generations. GOAL 5: STEWARDSHIP Create a widely held ethic of stewardship that strongly encourages individuals, institutions, and corporations to take full responsibility for the economic, environmental, and social consequences of their actions. GOAL 6: SUSTAINABLE COMMUNITIES Encourage people to work together to create healthy communities where natural and historic resources are preserved, jobs are available, sprawl is contained, neighborhoods are secure, education is lifelong, transportation and health care are accessible, and all citizens have opportunities to improve the quality of their lives. GOAL 7: CIVIC ENGAGEMENT Create full opportunity for citizens, businesses, and communities to participate in and influence the natural resource, environmental, and economic decisions that affect them. GOAL 8: POPULATION Move toward stabilization of U.S. population. GOAL 9: INTERNATIONAL RESPONSIBILITY Take a leadership role in the development and implementation of global sustainable development policies, standards of conduct, and trade and foreign policies that further the achievement of sustainability.

Ensure that all Americans have equal access to education and lifelong learning opportunities that will prepare them for meaningful work, a high quality of life, and

an understanding of the concepts involved in sustainable development.

EDUCATION

Sustainable America

A New Consensus for the Prosperity, Opportunity and a Healthy Environment for the Future (1996 PCSD)

"Friends of the Future's (FoF) international mission is to raise awareness of the United Nations' Agenda 21 and of the role youth need to play in the discussion on sustainable development. Through the sponsorship and support of the U.N. Environment Program, FoF published the book, We Got the Whole World in Our Hands: A Youth Interpretation of Agenda 21, which documents the proceedings of the 1992 U.N. Conference on Environment and Developments The book puts Agenda 21 into simple language - easy for younger readers to understand. The students presented their version at the national Earth Summit in Louisville in May 1993." (Chapter 3 Education)

It Is All Here – AG21 Goals In The U.S.

TOWARDS

A SUSTAINABLE

AMERICA

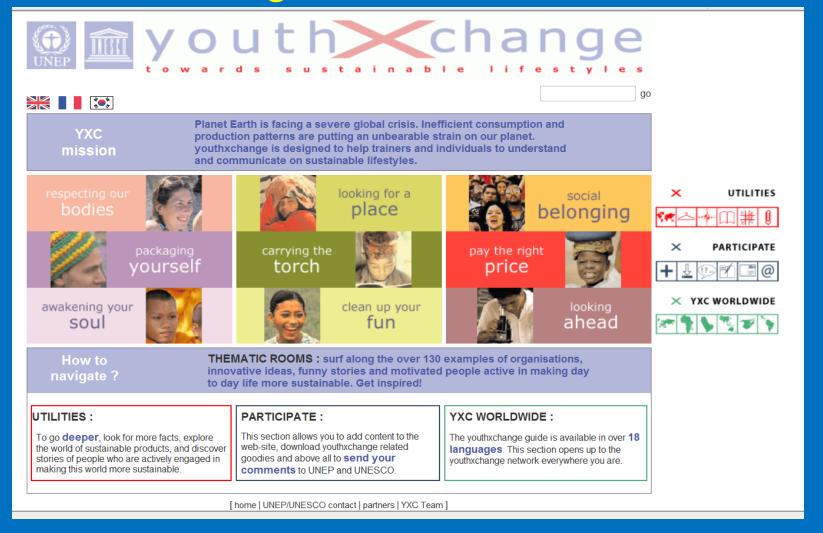


May 1999

Advancing Prosperity, Opportunity, and a Healthy Environment for the 21st Century

The President's Council on Sustainable

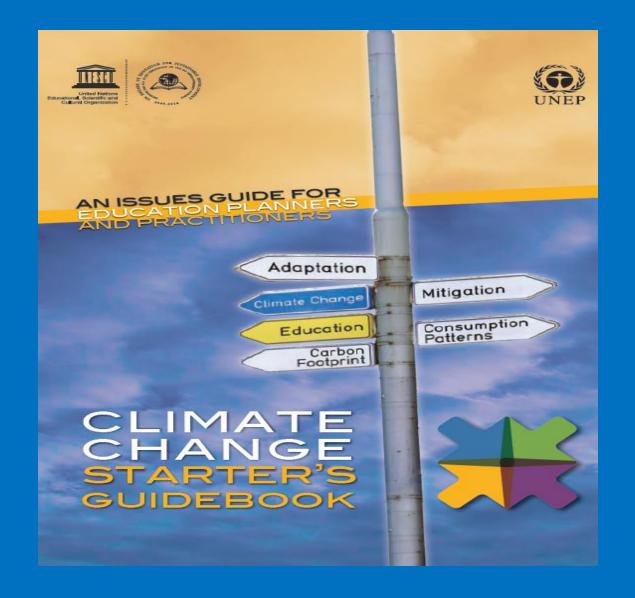
The UN Sustainability Message Begins In The Classroom: "Planet Earth is facing a severe global crisis..."



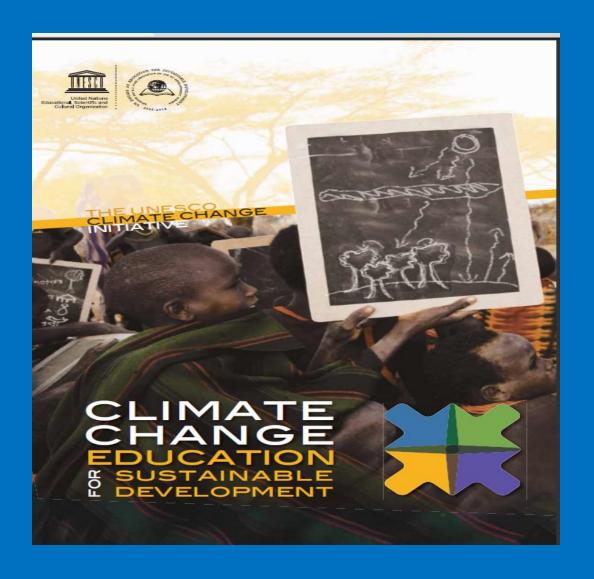
A UNESCO Climate Expert From Hollywood



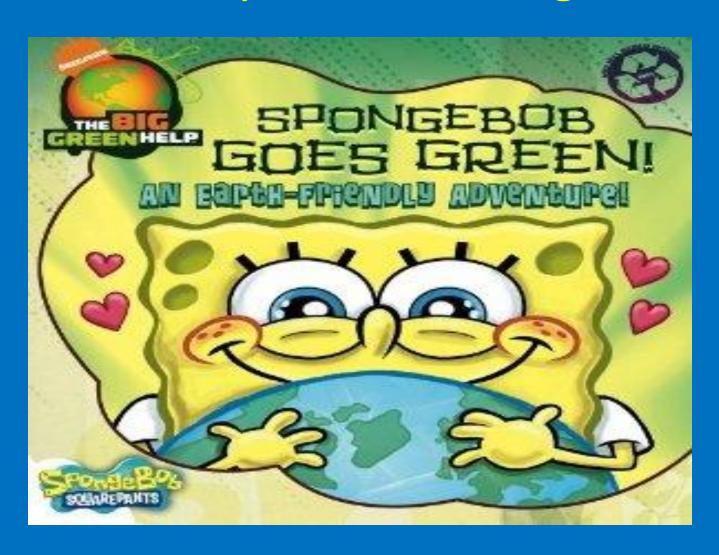
All About Carbon Crimes



Climate Science For All

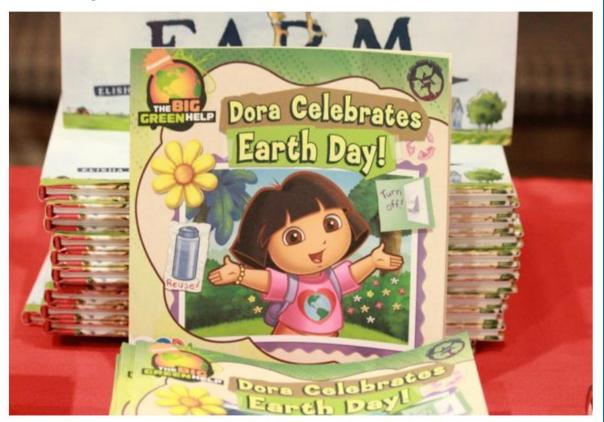


U.S. Department OF Education Handout, July 2011 Washington D.C.



U.S. Department Of Education Handout To Elementary Schools

dora explorer



"Dora Celebrates Earth Day!" was distributed to elementary school students at the Department of Education event. (Photo: CNSNews.com/Penny Starr)

In Our Classrooms Since 2005



US PARTNERSHIP

DECADE OF EDUCATION FOR SUSTAINABLE DEVELOPMENT UNITED NATIONS DECADE (2005-2014)

EDUCATING FOR SUSTAINABILITY

By K-12 and Teacher Education Sector of the U.S. Partnership

"This represents a new vision of education, a vision that helps people of all ages better understand the world in which they live, addressing the complexity and interconnectedness of problems such as poverty, wasteful consumption, environmental degradation, urban decay, population growth, health, conflict and the violation of human rights that threaten our future. This vision of education emphasizes a holistic, interdisciplinary approach to developing the knowledge and skills needed for a sustainable future as well as changes in values, behavior, and lifestyles. This requires us to reorient education systems, policies and practices in order to empower everyone, young and old, to make decisions and act in culturally appropriate and locally relevant ways to redress the problems that threaten our common future."

 Excerpt from the Draft Framework for an International Implementation Scheme United Nations Decade of Education for Sustainable Development (2005-2014)

US And UN Partnership



Education for Sustainability K-12 and Teacher Education National Professional Organizations Summit

Washington, DC October 6, 2008

Environmental groups and resources serving K-12 schools (Total of 53)

From Wikipedia, the free encyclopedia

Alliance for Climate Education (ACE)

(ACE)[4] aims to inspire, educate and empower students in the fight against global warming because they believe that young adults can have a substantial and near-term positive impact on the global climate crisis. Through age-appropriate and engaging presentations, Alliance for Climate Education (ACE) intends to deepen the understanding of climate change among our next generation of leaders. Their primary goal is to equip students with the knowledge and tools they need to confront the global warming challenges our planet faces. ACE teaches the most current and accurate climate science so students will best understand the global warming crisis, and take initiative to reduce greenhouse gas emissions through more informed lifestyle choices. ACE aims to empower students to share this knowledge by building awareness among family and friends as well as their broader communities. ACE will provide exciting opportunities for young people and schools to take action by awarding grants and scholarships to those who do

"ACE Is The National Leader In High School Climate Science Education"





Like 126 likes. Sign Up to see what your friends like,



ACE is the national leader in high school climate science education.

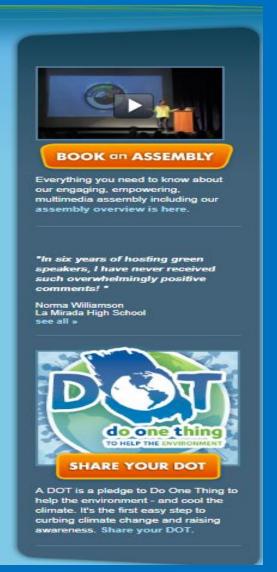
We're an award-winning national nonprofit dedicated to educating America's high school students about the science behind climate change and inspiring them to do something about it-while having fun along the way. We're based in Oakland, California, with educator teams in New York, Los Angeles, Chicago, Washington, DC, Atlanta, New England, Colorado, Nevada, North Carolina and Wisconsin.

ACE delivers two core offerings: the ACE Assembly and Student Action Program.

ACE educators present climate science that resonates with students via an award-winning in-school assembly that blends storytelling, cutting edge animation, music and video.

- Our presentation explains greenhouse gases and their sources, how human-caused emissions risk altering the world's climate on an unprecedented scale-and specific local impacts for
- We engage students' imagination through real-life stories of local students who have undertaken extraordinary projects and proven that students can have a huge impact today.
- · We close with simple ideas and wide-ranging opportunities for students to get involved.
- All of the climate science we present comes from peer-reviewed published science articles, with a focus on the IPCC AR4 report-one of the most heavily researched science reports in history.

When the ACE Assembly ends, many students are ready and eager to take action, and our Student Action Programs help get them started. ACE programs include:



Climate Science From The UN'S IPCC "You've Come To The Right Place"



National Wildlife Federation ECO-Schooling





Green your school inside, outside and throughout your curriculum!

Join over 50 other countries in this international initiative designed to encourage whole -school action for the environment.

Become a U.S. Eco-School today!

How Can Eco-Schools USA Benefit Your School?

- Improves academic performance
- · Leads to financial savings
- Reduces waste and conserves resources



Latest Blogs

Metamorphosis of a Green Flag Eco-School in Centreville, Virginia [05/24/12]

Weekly News Roundup - May 18, 2012 [05/18/12]

Student Leaders in the Making at Second Massachusetts Green Flag Eco-School [05/17/12]

Eco-Schools USA's Healthy Living Pathway to Get Students Outside and Active [05/09/12]

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"Implying that there are significant scientific controversies about the overall nature of these concepts when there are not will only confuse students, not enlighten them."



The Globe and Mail (Canada) April 4, 2012 "Healthy polar bear count confounds doomsayers"



"the bear population is not in crisis as people believed," said Drikus Gissing, Nunavut's director of wildlife management. "There is no doom and gloom."

...media in southern Canada has led people to believe polar bears are endangered. "They are not." He added that there are about 15,000 polar bears across Canada's Arctic. "That's likely the highest [population level] there has ever been."

"There are about 25,000 polar bears in the north circumpolar region, of which about 15,000 are in the Canadian High Arctic."

"Twice as Many Emperor Penguins as Thought in Antarctica," *



*Science Daily April 13, 2012

Your Homework

- Review the texts your children are issued
- Show up at the PTA meetings or other venues to let the school administration know that you and others are involved
- Challenge "Fawlty (Ivory) Towers" science