

Quality Education for Sustainable Development – The need for New Education

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SUSTAINABLE DEVELOPMENT GOALS

1 NO POVERTY 	2 ZERO HUNGER 	3 GOOD HEALTH AND WELL-BEING 	4 QUALITY EDUCATION 	5 GENDER EQUALITY 	6 CLEAN WATER AND SANITATION
7 AFFORDABLE AND CLEAN ENERGY 	8 DECENT WORK AND ECONOMIC GROWTH 	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE 	10 REDUCED INEQUALITIES 	11 SUSTAINABLE CITIES AND COMMUNITIES 	12 RESPONSIBLE CONSUMPTION AND PRODUCTION
13 CLIMATE ACTION 	14 LIFE BELOW WATER 	15 LIFE ON LAND 	16 PEACE, JUSTICE AND STRONG INSTITUTIONS 	17 PARTNERSHIPS FOR THE GOALS 	 SUSTAINABLE DEVELOPMENT GOALS

4 QUALITY EDUCATION

Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all



Education for Sustainable Development



Is a key and vital element in moving sustainability forward



Will help people to:

- Pursue sustainable livelihoods
- Continue to learn after they leave school
- Participate in community life
- Live in a sustainable manner



*What are the
roles of
education in
sustainable
development?*



In economic development



In society



In awareness



In community decision making



*Roles of
education in SD*
- In terms of
economic
development?



To reduce poverty.



To facilitate development through creating an educated workforce that can move beyond a agricultural and extractive economies.



To help everyone do their job better by reducing environmental impact and creating more just and equitable workplaces.



To create wise consumers.



*Roles of
education
in SD - In
terms of
society?*



To raise social tolerance,
equity, and justice.



To create life-long learners
who can adapt to societal
changes.



*Roles of
education
in SD - In
terms of
awareness?*



To raise the level of public understanding of sustainability.



To develop a voting citizenry knowledgeable about sustainability issues.



To enhance public support or demand to implement policies related to sustainability.



*Roles of
education
in SD - In
terms of
community
decision
making?*



To assist the public develop the skills to be engaged in the dialog about their future.



To assist citizens develop the skills to analyze local issues and propose and implement solutions.

Integration of
sustainable
development
concept in
higher education
curriculum

Education for Sustainable
Development - ESD



*What is
Education for
Sustainable
Development
(ESD)?*



Improving access to quality education



Reorienting existing education



Improving public understanding and awareness



Providing training



Improving
access to
quality
education



Access to and quality
education – as societal issue



Advancing economies
beyond resource extraction
and agriculture



Reorienting existing education



An appropriately reoriented education includes more:

principles, skills, perspectives, and values - related to sustainability



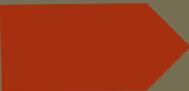
An appropriate and relevant curriculum is reoriented to integrate environment, economy, and society.



The curriculum balances looking back to traditional ecological knowledge and looking forward to a more sustainable society.



Occurs at all levels - nursery school through university.



Improving
public
understanding
and
awareness



Sustainable societies require:



A population that is aware of sustainability goals.



An informed voting citizenry.



Knowledgeable consumers who can see beyond the
“green wash.”



A public who are media literate and able to analyze the
messages of corporate advertisers and the advertising
industry.



Providing training



The world needs a workforce that is:



Literate



Environmentally aware



Socially equitable and just



All sectors - business, industry, higher education, governments, NGOs, and community organizations should train employees related to environment, society, and economy.

Characteristics of ESD



Locally relevant and culturally appropriate.



Deals with all three realms of sustainability - environment, society, and economy.



Based on local needs, priorities, perceptions, and conditions, but recognizes that fulfilling local needs often has global effects and consequences.



Addresses content, context, and pedagogy.



Engages formal, non-formal, and informal education.



Is a life-long endeavor.



Accommodates the evolving nature of the concept of sustainability.



Integration of sustainable development concept in higher education curriculum



Every discipline can contribute to ESD.



Every teacher can contribute to ESD.



Every administrator can contribute to ESD.



No one discipline should claim ownership of ESD.



Each discipline contributes knowledge and skills.



Each discipline contributes pedagogical methods.

Integration of sustainable development concept in higher education curriculum



Mathematics helps students understand extremely small numbers (e.g., parts per hundred, thousand, or million), which allows them to interpret pollution data.



Language Arts, especially media literacy, creates knowledgeable consumers who can analyze the messages of corporate advertisers and see beyond "green wash."



History teaches the concept of global change, while helping students to recognize that change has occurred for centuries.

Integration of sustainable development concept in higher education curriculum



Reading develops the ability to distinguish between fact and opinion and helps students become critical readers of political campaign literature.



Social Studies helps students to understand ethnocentrism, racism, and gender inequity as well as to recognize how these are expressed in the surrounding community and in nations worldwide.

Integration of sustainable development concept in higher education curriculum



Someone needs to pull together the disciplinary and pedagogical pieces to form a comprehensive ESD program.



We need to overtly tell students that what they are learning contributes to a more sustainable future.



& A

SESSIONS