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INDEX

Sl.	Title	Page
1	Effectiveness of Project Based Learning in Enhancing 21st Century Skills of Student Teachers Miss Smruti Salve & Dr. Rekha Chavhan	1-12
2	Experiential Learning for Sustainability Dr. Anjali G. Kirkinde	13-18
3	Sustainable practices in Education - Experiential Learning Combined with the Hybrid approach is the need of the hour Mrs. Kalyani Arumugam & Dr. Reni Francis	19-24
4	Deployment of Community-Based Programs for Optimizing Global Citizenship Education and Education for Sustainable Development Dr. Vidhya Satish	25-37
5	Understanding the scenario of Single Use Plastic in the State of Goa Pednekar Amisha* R.	38-43
6	Role of Education in fostering Global Citizenship Mrunali Rupesh Pansare	44-48
7	Learning practices toward sustainability Conceptual framework for blended and active constructive Learning in the classroom to engage students Sharmistha Kant & Nitya Potham	49-62
8	Teaching Learning Practices towards Sustainability Dr. Archana Thakre	63-70
9	Effect of Outcome Based Education (OBE) on Academic Achievement of Student –Teachers Ms. Archana Bhople	71-78
10	Innovative Teaching Learning Strategies for Sustainability Dr. Vinayak Shinde & Dr. Rupali Wadkar	79-92
11	Teaching Learning Practices towards Sustainability Tejal Nikam	93-105
12	The Role of Holistic Education in Sustainable Development Miss. Seema L. Kadam	106-124
13	Sustainable Practices in Education Dr. Mrs. Vidyullata Kolhe	125-132

14	Enhancing Critical Thinking Skills through Lifeskills Education Programme Dr. Vithoba Sawant	133-140
15	The Sustainable Teacher Ms. Reema Nikalje	141-147
16	The Importance of Global Citizenship Education in a Globalized World Dr. Shumaila Patrawala Siddiqui	148-161
17	Social, Emotional and Ethical Learning A concept to build an inclusive community Dr Manisha Ramesh Gawde	162-176
18	The Role of Teachers Competencies in Education for Sustainable Education Dr. Nitisha Jha	177-185
19	Higher education for sustainability: A global Perspective Ms. Sweety Singh	186-193
20	Role of Education for Addressing Sustainability Mrs. Shubhangi Kore	194-205
21	A Step Towards sustainability: Theme Based Teaching Ms. Anjana Tawani	206-211
22	Perspective on Creating an Ecosystem to be Self-Sustainable Dr. Swati Sharma	212-220
23	गडचिरोली जिल्ह्यातील माध्यमिक शाळेतील विद्यार्थ्यांच्या सामाजिक - आर्थिकस्तराचा शैक्षणिक गुणवत्तेवर होणाऱ्या परिणामांचा अभ्यास कु. सुवर्णा ना. भोंगळे, डॉ. अर्चना के. ठाकरे	221-237
24	शिक्षणातील शाश्वत पद्धती Dr. Mugdha Sangelkar	238-250
25	वैश्विक नागरिकता के लिए शिक्षा Dr. Punam Kesharwani	251-260

Sustainable Practices in Education

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Abstract

Education is an important tool for achieving sustainability around the world. This research explores the critical role of education in achieving sustainable development goals. It investigates the incorporation of sustainable development principles into educational curricula, pedagogical practices, and institutional policies. Through a comprehensive review of literature and case studies, this study examines the impact of Education for Sustainable Development (ESD) on fostering environmental stewardship, social equity, and economic progress. It also highlights the challenges and opportunities in implementing ESD across diverse educational settings. The findings emphasize the need for a transformative educational paradigm that equips learners with the knowledge, skills, and values necessary to address global challenges and create a more sustainable future.

Keywords: education for sustainable development (esd), society., sustainable development goals, environmental stewardship, social equity, economic progress, curriculum integration, pedagogical practices, institutional policies, transformative education, global challenges, sustainability literacy, eco-consciousness, sustainable citizenship

Introduction

In an era marked by pressing global challenges such as climate change, social inequality, and economic instability, the imperative for sustainable development has never been more evident. Achieving sustainable development goals demands a multifaceted approach that transcends mere policy changes and economic strategies. Education emerges as a linchpin in this endeavor, capable of shaping future generations into informed, proactive, and environmentally conscious global citizens.

Education for Sustainable Development (ESD) stands at the nexus of this critical junction, where the principles of sustainability merge with pedagogical practices and institutional policies. ESD is not just an educational framework; it is a philosophy that seeks to instill in learners the knowledge, skills, values, and attitudes necessary to navigate the complexities of our interconnected world while preserving its ecological and social fabric.

This research embarks on a comprehensive exploration of ESD, delving into its multifaceted dimensions and assessing its impact on various facets of sustainable development. Through a systematic review of existing literature and analysis of real-world case studies, we aim to shed light on the transformative potential of ESD. By understanding how education can catalyze sustainable change, we can chart a course toward a more equitable, environmentally responsible, and economically resilient future.

In this article, we delve into the key components of ESD, the challenges and opportunities it presents, and its role in fostering environmental stewardship, promoting social

equity, and driving economic progress. We emphasize the need for a holistic approach to ESD, one that transcends traditional educational boundaries and embraces the interconnectedness of global issues.

Our research underscores that education is not merely a means to an end but an end in itself—an end that holds the power to shape the destiny of nations and the fate of the planet. By framing education within the context of sustainable development, we hope to inspire educators, policymakers, and learners alike to recognize their pivotal roles in steering humanity toward a more sustainable and prosperous future.

“Sustainable education empowers future generations with the knowledge and values needed to protect our planet and create a better, more sustainable world for all.”

This introduction provides an overview of the importance of Education for Sustainable Development (ESD) and sets the stage for the research article's exploration of this crucial topic.

Need for Sustainable Development and Education for Sustainable Development

The Earth has long been considered a remarkably stable, self-correcting machine, responsible for all of humanity's misadventures and assaults on the fragile biosphere. But this misunderstanding of nature cannot be taken for granted. Modern technology, industry and agriculture with other developmental activities of modern society are very much exploitative in the natural world with pollution enhancing and causing enormous damage to the environment. Emissions of smoke and gases from industrial vehicles have led to increased carbon dioxide

content in the atmosphere. Sustainable development is crucial to address global challenges like climate change, poverty, and inequality, ensuring a livable future for all.

Education for Sustainable Development (ESD) is vital as it equips individuals with the knowledge and skills to actively contribute to sustainable development, fostering responsible and informed global citizens.

Role of Education in Sustainable Development

The role of education in sustainable development is to empower individuals with the knowledge, skills, and values needed to understand, promote, and actively contribute to sustainable practices, thereby fostering a more environmentally responsible and equitable society.

“Education is a fundamental right and the basis for progress in every country. Parents need information about health and nutrition if they are to give their children the start in life they deserve. Prosperous countries depend on skilled and educated workers. The challenges of conquering poverty, combating climate change and achieving truly sustainable development in the coming decades compel us to work together.

The goals of ESD are to promote awareness of the interdependence of natural, socio-economic and political systems at local, national and global levels to encourage analytical reflection and decision making. This is reflected in personal lifestyles encouraging the active participation of the citizenry in building sustainable development, developing interactive and participatory skills, developing appropriate environmental understanding based on an

understanding of the independence of nature and skills of problem-solving. ESD increases civic capacity by enhancing and improving the workforce, social tolerance, environmental stewardship and participation in community-based decision making, which is enhanced by combining formal, non-formal and informal education. An attitude of concern for the quality of the environment is important to motivate people to develop skills and a willingness to take necessary decisions and actions to solve environmental problems.

The Emergence of Environmental Education for Sustainable Development

(EESD) The ideas behind environmental education can be seen from 1969 onward and the inspiration received from international organizations such as UNESCO, UNICEF and UNEP have leveraged these initiatives to further the development of the environment. The UN observed World Environment Day for the first time to raise awareness on environmental issues on the 5th of June 1974. UNESCO sponsored a conference in Belgrade, Yugoslavia during which the Belgrade Charter was framed and outlined the basic structure of environmental education. Likewise in 1977 UNESCO in cooperation with the United Nations Environment Programme (UNEP) held the International Conference on Environmental Education in Tbilisi, Republic of Georgia. The delegates at the Tbilisi Conference accepted the Tbilisi Declaration, which argued for environmental education to create awareness and values among people to advance the quality of life and the environment.

Objectives of Environmental Education

Awareness – to help social groups and human beings acquire an awareness and sensitivity to the total environment and its related problems.

Knowledge – to help social groups and individuals gain a variety of experience in and to acquire a basic understanding of the environment and its associated problems.

Attitudes – to help social groups and individuals acquire a set of values and feelings of concern for the environment and the motivation for actively participating in environmental improvement and protection.

Skills – to help social groups and individuals acquire the skills for identifying and solving environmental problems.

Participation – to provide social groups and individuals with an opportunity to actively involve at all levels in working toward the resolution of environmental problems.

Objectives of Sustainable Development

- Ensure economic growth that benefits all.
- Protect and restore the environment.
- Promote social equity and inclusivity.
- Achieve global peace and cooperation.
- Enhance access to quality education and healthcare.
- Eradicate poverty and hunger.

- Foster responsible consumption and production.
- Address climate change and conserve biodiversity.
- Ensure clean and affordable energy.
- Create resilient, sustainable communities.

Seven Strategies for ESD

- Vision-building and advocacy
- Consultation and ownership
- Partnership and networks
- Capacity-building and training
- Research and innovation
- Use of Information and Communication Technology (ICT)
- Monitoring and evaluation

Conclusion

Education for sustainable development is a dynamic perspective that includes a new approach to education that encourages people of all ages to shoulder responsibility for forming and enjoying a sustainable future. There is increasing international appreciation of Education for Sustainable Development (ESD) as an important part of quality education and a key enabler for sustainable development. Sustainable development is one of the major goals of environmental education that has become an important part of education at all levels. We have to take responsibility for our conservation and protection. Development takes care of the environment and

when we talk about development, it needs to be sustainable and ethical. The pathway to ESD is an important one and nations that tread it cautiously.

The overall aim of ESD is to encourage citizens to act towards positive environmental and social change while involving a participatory and action-oriented approach. Thus, education needs to be enhanced to lead the world toward a more sustainable way of living.

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