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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

The Role of Teachers Competencies in Education for Sustainable Education

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Abstract

Teachers play a crucial role in promoting sustainable development and can contribute to creating a more sustainable future through their teaching. To effectively promote sustainable development, teachers need to have a range of key competencies. Teachers with the key competencies discussed below have the opportunity to inspire and educate students on the principles of sustainable development. By integrating sustainability into their teaching practices, teachers can empower students to become responsible global citizens who actively contribute to building a more sustainable and equitable world.

Keywords: role of teacher's competencies, education, strategies to develop competencies, for sustainable education

Introduction

The role of teachers in sustainable development is crucial in shaping the future of our society. Teachers are extremely important in helping pupils learn about and adopt sustainable behaviours. They have the ability to transmit the knowledge, abilities, and values necessary to create a sustainable future. Teachers can encourage students' social responsibility, environmental awareness, and economic sustainability through their instructional endeavours. According to

studies, teachers serve as facilitators, disseminating information about the Sustainable Development Goals (SDGs) and how they relate to ESD. They are also better at creating connections between ideas and the outside world, which makes the material more applicable and real to students. It is the duty of educators to incorporate sustainable development methods and ideals into their classroom instruction. They can do this by integrating sustainability ideas into several topic areas, helping students build a comprehensive grasp of sustainable development. Teachers may motivate children to take an active role in building a sustainable future by encouraging critical thinking, problem-solving techniques, and empathy.

The competencies required for teachers in sustainable development vary depending on the level of education and specific context. However, some key competencies for teachers in sustainable development include:

1. Proficiency in Sustainable Development: Teachers must possess a thorough knowledge of the tenets, ideas, and objectives of sustainable development. This includes understanding environmental, social, and economic problems as well as understanding global issues and how many systems are connected.

2. Interdisciplinary Approaches: Educators should be able to incorporate the ideas of sustainable development into a variety of courses and fields. They must be able to make connections between many fields of knowledge and assist students in investigating sustainability from a variety of angles.

3. Critical Thinking and Problem-Solving: Teachers should encourage pupils to explore challenging sustainability issues and develop their critical thinking abilities. They ought to encourage the development of analytical thinking, creativity, and the capacity to come up with novel answers to sustainability-related problems.

4. Systems Thinking: Teachers should assist students in comprehending how ecological, social, and economic systems are interconnected and interdependent. Students should learn how to think in terms of systems and how individual actions affect the bigger picture.

5. Communication and Collaboration: Teachers should encourage and support student collaboration in order to address sustainability challenges. For complicated concepts to be effectively communicated as well as to promote dialogue and understanding, effective verbal and written communication skills are required.

6. Ethical Awareness: Teachers should encourage ethical responsibility and awareness among their students. This entails fostering a knowledge of the ethical aspects of sustainability and motivating students to make moral decisions in both their personal and societal lives.

7. Experiential Learning: Teachers should give students the chance to learn experientially through activities like field excursions, projects, and hands-on activities. Students can interact directly with sustainability challenges, put their knowledge to use, and gain useful skills in this way.

8. Lifelong Learning: In the area of sustainable development, teachers should set an example by demonstrating a dedication to lifelong learning and ongoing professional

development. Their instruction should be revised to reflect the most recent trends, studies, and best practices. It is important to keep in mind that these competences are not all-inclusive and may change depending on the institutional, cultural, and geographical circumstances.

9. Subject Matter Knowledge: Teachers need to have a solid grasp of sustainability challenges and concepts. They ought to be aware about social responsibility, biodiversity, climate change, and other relevant subjects. This knowledge equips teachers to incorporate sustainability into their teaching across various subjects.

10. Pedagogical Knowledge: Sustainability should be a subject that teachers are knowledgeable about. They ought to be able to create and present interesting lessons that encourage sustainable actions. Teachers can aid students in understanding how the economic, social, and environmental facets of sustainable development are interwoven through experiential learning techniques, project-based learning, and real-world examples.

11. Communication Skills: Teachers who want to engage students in meaningful discussions about sustainability issues need to have strong communication skills. Teachers should be able to lead discussions, promote critical thinking, and motivate pupils to adopt sustainable behaviors. They can work together to promote sustainable practices and build awareness by working with parents and the larger community.

12. Classroom management: Fostering a feeling of accountability, empathy, and respect for others is essential to building a long-lasting learning environment. Students can learn from teachers about sustainable practices such as responsible consumption, energy saving, and waste

reduction. In the classroom, they can also incorporate techniques like recycling, composting, and using renewable resources.

13. Adaptability: Teachers must be flexible in order to keep up with evolving sustainability practices. They should keep up with the latest developments in emerging technology, sustainability challenges, and creative solutions. Teachers may enable their students to become change agents in their communities by embracing new information and practices.

14. Collaboration: Collaboration is essential for promoting sustainable development among teachers, students, and other stakeholders. Teachers can collaborate with other educators to create multidisciplinary initiatives that tackle sustainability-related issues. In order to give students real-world sustainability learning experiences, they can also collaborate with regional groups and authorities.

15. Problem solving: Creative problem-solving abilities are necessary for sustainable development. By involving students in practical tasks that require them to recognize and address sustainability-related challenges, teachers can develop these skills in their pupils. Teachers foster a generation of socially and ecologically conscious people by challenging their students to think critically and come up with novel solutions.

16. Cultural Competence: Teachers who are culturally competent can encourage inclusive and different perspectives, which will help to promote sustainable growth. They can inspire pupils to value various cultural customs and how they relate to sustainable living. Teachers contribute to a more just and sustainable future by embracing cultural variety.

To enhance teachers' competency in sustainable development, several strategies can be implemented. Here are some effective strategies:

1. Professional Development Programs: Provide workshops and programs for professionals that are expressly geared toward sustainable development. These programs can give educators the information, tools, and resources they need to successfully incorporate sustainability into their lesson plans.

2. Curriculum Integration: Include concepts and principles of sustainable development in teacher education programs' curricula. This will guarantee that aspiring educators receive thorough instruction and are well-equipped to impart sustainability to their students.

3. Cooperative Learning Communities: Encourage teachers to work together in collaborative learning environments where they can exchange ideas, resources, and best practices for sustainable development. Online forums, business networks, or regular gatherings and conferences can all be used for this.

4. Mentorship Program: Establish mentorship programs for teachers so that more seasoned educators who specialize in sustainable development can guide and assist less experienced educators. This mentoring relationship may offer direction, criticism, and chances for group lesson planning and execution.

5. Resource Development: Create and offer teachers high-quality teaching resources, such as lesson plans, exercises, real-world examples, and multimedia tools, all of which are

pertinent to sustainable development. These tools can help educators offer engaging and successful sustainability lessons.

6. **Pedagogical Assistance:** Provide pedagogical assistance to instructors, such as instruction in efficient delivery techniques and approaches to sustainability education. Support for active learning strategies that encourage critical thinking and problem-solving abilities, such as project-based learning and inquiry-based learning, can be provided.

7. **Networking and Partnerships:** Promote networking and collaboration between educational institutions, businesses that promote sustainability, and schools. These collaborations can give educators access to specialists, real-world examples, and hands-on learning opportunities, enhancing their comprehension and application of sustainable development.

8. **Opportunities for Continuous Learning: Encouraging Teachers to Reflect on Their Teaching Practice Regarding Sustainable Development.** This can be accomplished by taking part in workshops, going to conferences, doing research, and keeping up with the most recent developments in the subject. Teachers can improve their knowledge of sustainable development by putting these tactics into practice, and they can also effectively motivate and inform their students about the significance of sustainability for a brighter future.

Conclusion

Teachers also act as role models by incorporating sustainable practices into their daily lives. Their behaviors and deeds have an impact on pupils and can instill a sense of obligation to the community and the environment. Teachers can encourage students to adopt sustainable

behaviors by modeling them in the classroom by encouraging recycling, energy conservation, and responsible consumption. In conclusion, there are several facets to the role that teachers play in sustainable development. They have the ability to inform, motivate, and direct pupils toward knowledge of the value of sustainable behaviors. Teachers make a huge contribution to creating a future that is more sustainable and resilient by incorporating sustainability into their lessons, serving as role models, and encouraging critical thinking. Teachers that possess the aforementioned core qualities have the chance to motivate and encourage pupils to recognize the value of sustainable behaviors. Teachers make a huge contribution to creating a future that is more sustainable and resilient by incorporating sustainability into their lessons, serving as role models, and encouraging critical thinking. Teachers who possess the aforementioned core competences can motivate and instruct pupils on sustainable development principles. Teachers may inspire students to become responsible global citizens who actively contribute to creating a more sustainable and fair world by incorporating sustainability into their teaching methods.

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