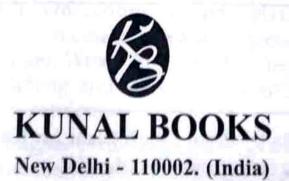
COVID-19 AND EDUCATION

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ALTERNATIVE PEDAGOGY FOR SCIENCE EDUCATION DURING **COVID- 19 AND BEYOND**

Dr. Sambit K Padhi & Subrat Kumar Padhi

Abstract

Science is a vital subject and plays an important role in the development of other disciplines. Science is a vital subject not only because of the theoretical components but also because of the practical activities, which fosters thinking and reasoning ability among the students. The current COVID-19 pandemic has disrupted the teaching methods of all subjects in general and science in particular. It forced science teachers to make a switch to a virtual environment, which requires teachers to integrate technology into their instruction. It is essential to build teachers digital competencies in terms of creating hands on-activities and experiments, fostering interaction with students, managing student's behaviour, assess student's learning and time management.

Keywords: alternative pedagogy, science education, COVID-19

Introduction

Science constitutes a significant part of human life, impacting how people perceive the world around them. It is the amalgamation of cognitive activities entailing emotional engagement and practical experiences. Knowledge of science and technology is of prime importance for the development of a nation and scientifically literate citizenry. Science is an indivisible component of modern living. It has now become synonymous with survival. Our modern way of life would hardly have been possible without the product of science.

EARLY CHILDHOOD CARE AND EDUCATION IN COVID-19: UNPRECEDENTED IMPACT ON CHILDREN'S LEARNING EXPERIENCES

Subrat Kumar Padhi & Dr. Sambit K Padhi

Abstract

ECCE sets a buzzing landmark in developing basic competencies as listening, learning, communicating, writing, interpreting, analyzing, classifying, counting, questioning, experimenting and investigating which have been acknowledged as 21st century skills. Due to COVID-19 pandemic, all the Government Pre-schools, NGOs and private schools, that who were offering. Early Childhood Care and Education have been shut down. According to UNICEF, School closures can lead to drastically negative outcomes for children. The paper highlights the status of ECCE in India during COVID-19 and suggests modalities to maintain quality of ECCE during COVID-19 in India.

Keywords: ECCE, COVID-19, children's learning experiences

Introduction

Early Childhood Care and Education (ECCE) is recognized worldwide for its rippling effect on children's learning experiences and prolonged learning performance. Learning experiences in terms of Foundational literacy and Numeracy (FLN) in early years provide a swirling momentum to learner and learning that brings criticism and positivism to the public domain. Moving