

Teaching 'Sustainable Architecture' to Pre-School Children by School Building for a Clean Future

Authors : Cimen Ozburak

Abstract : Pollution and the consumption of natural resources are significant global concerns. These problems have to be resolved in order to create a cleaner environment for the world. It is believed that sustainable building designs may reduce environmental problems throughout the world. It is known that if children receive environmental education in early childhood, they will be more likely to construct sustainable living systems and environment when they are older. School buildings can be used as educational material for teaching the natural and artificial environment in environmental education. In this study, the effect of school buildings on environmental education is examined by using the literature review method along with various examples. The selected examples in the study were analyzed according to 4 main criteria of LEED green building certification systems. These are the use of sustainable utilization of land, efficient utilization of water, efficient utilization of energy and efficient utilization of materials. According to the literature review, children who are educated in buildings designed according to these criteria, they will be environmentally sensitive individuals when they are older.

Keywords : clean future, educational sustainable pre-schools, environmental education, sustainable systems

Conference Title : ICSBIE 2017 : International Conference on Sustainable Building and Infrastructure Engineering

Conference Location : Istanbul, Türkiye

Conference Dates : July 27-28, 2017