

Reviewing Experiences of Sustainable Open Spaces with Emphasis on the Presence of Children

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Abstract

Achieving sustainability goals is one of the most important approaches to attain an ideal city, which has been considerable for designers and urban planners. Urban spaces must be able to response demands and needs of their today and tomorrow's users. Focusing on the child as a Connecting ring between the present and the future of a city, is a step towards sustainable development. One of the important factors during the process of child growing up, is his constructive interaction with his environment, which today is one of the next design priorities due to various urban concerns and issues. Therefore, preparing the urban space for the presence of the child is considered important in promoting his creativity and personality evolution. The aim of this study is to review the experiences of sustainable open spaces according to the needs of children. The research method is applied in terms of purpose. Through library studies and content analysis of texts, the theoretical framework of the research, including the principles and qualities of sustainable outdoor space by components of sustainable place (environmental, experimental-aesthetic and functional) was developed. Then by choosing the most popular successful parks and outdoor space in the world, with a qualitative method and descriptive analysis, sustainability criteria were examined and extracted in each of them so that it could be a way to design a sustainable open space appropriate to the child's needs. Finally, sustainable design criteria include»observance of climatic considerations, contact with nature, observance of visual considerations, blocking and massing system, safety and security, landscaping and urban furniture, attention to the Enclosure and Cross sections of spaces, observance of hierarchy Access, spatial hierarchy and invitation to the child's participation in group work and Informative elements of playis introduced.

Keywords: Sustainability, Outdoor Space, Child-Friendly City, Spatial Qualities, Play of Children

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