

The Role of STEM-Integrated Curriculum in the Body of Children's Education: A Systematic Review

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Abstract

The purpose of this study was to examine the role of using the integrated curriculum of STEM in the body of children's education. In this study, it was found that the STEM curriculum enables children to acquire 21st century skills such as building and communicating. Primary search was done using four databases of iranmedext, sid, magiran, pubmed, science during 2019 Until 2023. The researchers also referred to two search engines of Google Scholar and Google. Finally, 40 articles were selected for text analysis. Fifteen of the selected articles were extracted and organized in a structured format using the purposeful sampling method. The results of this study show that adding an STEM-integrated curriculum can help children think as a whole and understand the connections between different subjects. This educational method for children is necessary in the sense that children can benefit from it in the future as scientists, engineers or technologists in the society and improve their own and others' lives.

Keywords: curriculum, STEM curriculum, STEM approach, integrated curriculum theory, children's education

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