

# The possibility of applying STEAM activities in preschool education from the perspective of fine arts / Mogućnost primjene STEAM aktivnosti u predškolskom odgoju i obrazovanju iz perspektive



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**The importance of art education for the cognitive, social, and emotional development of children and youth**

**Number of the paper: 145**

## **Abstract**

The term STEAM comes from the English language and is an acronym woven from the initial letters of five areas - science, technology, engineering, art, and mathematics. This work explores STEAM as an educational approach in working with preschool children, which includes, among other things, the area of fine arts. It begins with a theoretical overview and explanation of both the term and the meaning of the abbreviation STEAM. This is followed by the description of the research conducted in a preschool group, where 24 children aged 6 to 7 years participated. The goal of the research was to determine whether the implementation of STEAM experiments related to art, affects the later involvement of children in art activities. Art-based research was conducted, and the attitudes and opinions of the research participants were presented through qualitative data analysis.

## **Key words**

*artistry; creativity; experiment; research*

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Važnost umjetničkog obrazovanja

Broj rada: 145

#### Sažetak

Pojam STEAM dolazi iz engleskoga jezika i predstavlja akronim satkan od početnih slova pet područja – science, technology, engineering, art i mathematics. Ovim radom istražuje se STEAM kao odgojno-obrazovni pristup u radu s djecom predškolske dobi koji, između ostaloga, uključuje i područje likovne umjetnosti. Najprije se daje teorijski pregled i obrazloženje kako pojma tako i značenja kratice STEAM. Potom se opisuje istraživanje provedeno u predškolskoj skupini, u kojemu je sudjelovalo 24 djece u dobi od 6 do 7 godina. Cilj istraživanja bio je utvrditi utječe li provođenje STEAM pokusa vezanih za likovnost, na kasniju uključenost djece u likovne aktivnosti. Provedeno je istraživanje temeljeno na umjetnosti te su kvalitativnom analizom podataka prikazani stavovi i mišljenja sudionika istraživanja.

#### Ključne riječi

istraživanje; kreativnost; likovnost; pokus

Revizija #3

Stvoreno 21 rujna 2024 19:42:39 od Martina Gajšek

Ažurirano 21 rujna 2024 20:04:14 od Martina Gajšek