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Entitled

EFFECT OF A STEM-BASED ENRICHMENT UNIT ON GIFTED SIX GRADERS' ACADEMIC ACHIEVEMENT, PROBLEM-SOLVING SKILLS, AND PERCEPTIONS OF STEM LEARNING

By

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Abstract

This study examines the effect of a STEM-based enrichment unit on gifted young learners' academic achievement, problem-solving skills, and perceptions of STEM learning. The participants are forty 6th graders attending the Elite Stream at a public school in the United Arab Emirates. The study utilizes the quasi-experimental model in which the performance of a control group and an experimental group will be examined and compared before and after the implementation of an enrichment program. The Enrichment Unit's theme is the Climate Change, which is based on the main general education main theme (Energy and Matter).

Keywords: Gifted, STEM, enrichment, academic achievement, problem-solving skills, 21st century skills, perceptions