



# **Effectiveness of the Context-Based Learning Approach in Teaching Science in Developing Productive Thinking Skills and Learning Pleasure Dimensions among Preparatory Stage Students**

A thesis submitted for partial fulfillment of the Master's degree in  
Education

(Curriculum and Science Instruction)

**Submitted by**

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## **Research Abstract**

Research Title: The Effectiveness of the Context-Based Learning Approach in Teaching Science in Developing Productive Thinking Skills and Dimensions of Learning Pleasure among Preparatory Stage Students

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Degree: Master's degree in education

Specialization: Curriculum and Instruction

Granting Institution: Faculty of Education – Fayoum University

Language of the Thesis: Arabic

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This research aimed at investigating the effectiveness of the context-based learning approach in teaching science to develop productive thinking skills and dimensions of learning pleasure among second-year preparatory students. To achieve this aim, the experimental method was used on the research sample consisting of (80) female students from the second year of preparatory schools in Fayoum Governorate. They were divided into two groups: experimental and control. The experimental group (40 students) studied the unit “Fossils and Protection of Species from Extinction” according to the context-based learning approach, while the control group (40 students) studied the same unit using the usual method. The research results indicated that the experimental group students, who studied according to the context-based learning approach, outperformed the control group students, who were taught using usual methods, in the productive thinking test and the learning pleasure scale. In the light of these results, the researcher recommended directing the attention of those responsible for designing and developing curricula to the necessity of using the context-based learning approach and training teachers at all educational stages on how to employ modern teaching approaches and strategies, including context-based learning. The researcher also proposed several suggestions, including conducting studies to examine the effectiveness of using the context-based learning approach in developing innovative thinking among preparatory stage students and implementing research

to explore the effectiveness of context-based learning in developing 21st century skills such as collaboration, problem-solving, and communication.

Keywords: Context-Based Learning Approach – Productive Thinking Skills – Dimensions of Learning Pleasure

