IAC EDUCATION

8th International Academic Conference on Education

23 - 25 August 2024

Oxford , United Kingdom

How to Make Middle School Students More Creative: Evidence from Teaching Strategies

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Abstract

This study delves into the realm of enhancing scientific creativity among senior high school students through effective teaching strategies. By investigating the impact of various pedagogical approaches on students' creative abilities, the research aims to provide valuable recommendations for optimizing teaching methods. The participants, selected from two provincial general high schools in S City, China, were surveyed to assess their scientific creativity levels. The findings shed light on the importance of fostering a harmonious teacher-student relationship, crafting thought-provoking queries, and utilizing major scientific advancements to stimulate students' imagination. Additionally, the study highlights the significance of interdisciplinary inspiration and the role of innovative assessment tools in evaluating scientific creativity. Overall, this research underscores the significance of nurturing creativity in adolescents and offers practical insights for educators striving to cultivate a culture of innovation in middle school classrooms.

Keywords: Scientific creativity, Teaching strategies, Innovation