

IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)
Interactive Presentations - IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM (IP)

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INVESTIGATING THE EFFECTIVENESS OF HYBRID LEARNING IN SPACE EDUCATION

Abstract

The aim of this research is to investigate the effectiveness of hybrid learning in space education, with a focus on its impact on student performance, engagement, and career progression. The objectives of this research look to: 1) Investigate the impact of hybrid learning on student performance in space education. 2) Identify the factors that contribute to the effectiveness of hybrid learning in space education. 3) Examine the relationship between hybrid learning and student engagement and motivation in space education. 4) Investigate the effect of hybrid learning on students' understanding of the applicability of science and technology in space education. 5) Explore the impact of hybrid learning on students' career progression in space education. This study will use a mixed-methods approach, combining qualitative and quantitative data collection and analysis methods. The research will involve conducting a literature review to identify best practices for hybrid learning in space education. Additionally, a survey will be administered to students who have experienced hybrid learning in space education to gather information on their experiences and opinions. Furthermore, student performance data will be collected and compared between those who experienced hybrid learning and those who did not. The data will be analysed using statistical methods and thematic analysis to identify patterns and themes. The final outcome of this research will be a report that summarizes the findings of the study, including recommendations for educators on how to effectively implement hybrid learning in space education. Additionally, the report will provide insights into the impact of hybrid learning on student performance, engagement, and career progression in space education. The results of this research will help to inform the future of space education and contribute to the growing body of literature on hybrid learning in education.