IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)
Ignition - Primary Space Education (1)

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THE SPACE EDUCATION AS A TOOL TO BROAD YOUNG STUDENTS PERSPECTIVES IN BRAZIL

Abstract

This work evaluates the application of Space Education in Brazil, using creative and practical teaching methodologies, which involve the analysis and resolution of problems, as well as the engagement of students through the Space theme. The Ideia Space project is presented as an example of a methodology that seeks to promote space education in the country, with activities ranging from the construction of PET bottle rockets to the development of scientific experiments and the creation of research projects. The project was carried out in classes from the first to the fifth year of elementary school at the Pia Máter school in Brasília, Brazil. The results of applying the methodology with Colégio Pia Máter showed that students showed greater interest and engagement in areas related to STEAM (Science, Technology, Engineering, Arts and Mathematics), as well as the development of skills and competencies that are important for the training of critical and aware citizens. In addition, the methodology proved to be a tool to broaden perspective for students as it correlates the different subjects that students study over the years This work highlights the importance of spatial education as a tool to awaken students' interest in STEAM, as well as to stimulate innovation and the development of new technologies in the country. The methodology of the Ideia Space project aims to serve as an inspiration for other initiatives that can promote space education in Brazil and in other parts of the world, mainly the Global South.