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Immersion days as a strategy for STEM vocation development

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Abstract

Overcoming barriers and myths about STEM requires educational interventions that promote motivation and skill development in STEM disciplines. Therefore, an educational immersion is presented for 128 eleventh-grade students of Colegio Vista Bella in the city of Bogota, to bring them closer to the STEM disciplines. To this end, a survey of professional interests is implemented to collect the perceptions of the participants during the academic activities and guided visits to the Politécnico Grancolombiano. Although the eleventh-grade students do not have a clear preference for a university career, there is greater interest in STEM activities, due to their holistic approach to the 4 disciplines and the development of STEM competencies such as critical thinking, problem-solving, and creativity. © 2023 Latin American and Caribbean Consortium of Engineering Institutions. All rights reserved.

Author keywords

high school; higher education; STEM; vocations

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