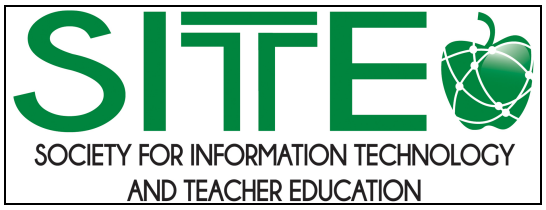

DEPICT4OST: Discovering Computational Thinking through Creative Arts, for Out-of-School Time

PROCEEDING

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DOI:

Society for Information Technology & Teacher Education International Conference, Mar 25, 2024 in Las Vegas, Nevada, United States ISBN 978-1-939797-76-6 Publisher: Association for the Advancement of Computing in Education (AACE), Waynesville, NC USA

Abstract

How can we strengthen creative arts education with the power of Computational Thinking (CT)? DEPICT4OST (Discover Computational Thinking through Creative Arts, for Out-of-School Time) is a pioneering project that endeavors to address this question. We've created a transformative, interdisciplinary approach to education, bringing together Computer Science principles and the creative arts. A southwestern university's STEM Outreach Center partnered with the university's Computer Science department to create a Computational Thinking (CT) toolbox for educators who want to implement universal 21st-century skills during their instructional time with students in an out-of-school time setting. Participants in this session will explore our CT toolbox with resources to get hands-on problem-solving skills. DEPICT4OST isn't just about a curriculum; it's about empowering educators with innovative teaching methods and enhancing student engagement. Our collaboration between creative writing teachers, media instructors, computer scientists, and learning specialists has produced a series of hands-on activities that seamlessly infuse CT into creative art disciplines. DEPICT4OST aims to not only measure the impact of CT infusion on students and teachers but also assess the stimulation of interest in CS among underrepresented students.

Citation