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Cases on Interdisciplinary Research Trends in Science, Technology, Engineering, and Mathematics: Studies on Urban Classrooms

Reneta D. Lansiquot (New York City College of Technology of the City University of New York, USA)

Involving two or more academic subjects, interdisciplinary studies aim to blend together broad perspectives, knowledge, skills, and epistemology in an educational setting. By focusing on topics or questions too broad for a single discipline to cover, these studies strive to draw connections between seemingly different fields.

Cases on Interdisciplinary Research Trends in Science, Technology, Engineering, and Mathematics: Studies on Urban Classrooms presents research and information on implementing and sustaining interdisciplinary studies in science, technology, engineering, and mathematics for students and classrooms in an urban setting. This collection of research acts as a guide for researchers and professionals interested in improving learning outcomes for their students.

Topics Covered:

- Focus on STEM at City Tech
- Interdisciplinary Learning
- Problem-Solving Strategies
- STEM and Modern Education
- STEM Learning Communities
- Virtual Interdisciplinary Experiences

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Cases on Interdisciplinary Research Trends in Science, Technology, Engineering, and Mathematics
Studies on Urban Classrooms



Reneta D. Lansiquot

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Reneta D. Lansiquot earned her first degrees, an AAS Degree in Computer Information Systems and a Bachelor of Technology Degree in Computer Systems Technology, from New York City College of Technology (City Tech). She has been a consultant for media and telecommunication companies, as well as for non-profit organizations based in Afghanistan and in the U.S. for several years. She earned her Ph.D. in Educational Communications and Technology at New York University after completing her Master of Science Degree in Integrated Digital Media at Polytechnic University. Her mixed-methodology research focuses on interdisciplinary studies. She is the member of the team on several science, technology, engineering, and mathematics focused grants. She has presented her research at numerous national and international conferences in Austria, Canada, Greece, Japan, and Portugal and has published peer-reviewed book chapters and articles in journals on technical writing, game design, virtual reality, and problem-solving across the curriculum.



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