Developing Guidelines for Neurodiversity-Affirming Engineering Programs in Museums and Science Centers Through Universal Design for Learning
AWARD # 2313850

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Project Description

- Co-design, pilot, produce, disseminate a practitioner guide for creating engineering-design programs for neurodivergent audiences
- Tailor universal design for learning guidelines to informal maker programs and activities, and investigate how this approach can support belongingness and deepen engagement in the engineering design process for all types of learners.

Key Achievements

- This project began in September 2023. We are currently conducting interviews with children with autism and their families, recruiting autistic co-designers, and reviewing existing UDL guidelines.

Audience & Settings

Audience: Elementary and Middle School Children

Disciplinary area: Education and Learning Sciences, General STEM,

Learning environment: Museum and Science Center Programs

Access and Inclusion

This project aims to provide an inclusive STEM experience to those who face barriers to attending autism-specific museum programs (including POC, immigrant, female, and trans students). Additionally, this project is supported by a co-design team of paid autistic high school students

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