

# Developing STEM Skills through Play and Exhibit Design for Early Learners in Children's Museums and Science Centers | 2005944

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## Project Description

The project aims to advance design and development of play-based STEM exhibits through a collaborative, iterative and evidence-based approach.

## Key Achievements

- What have you **accomplished** to date?
  - Development of Play-based STEM Exhibit Engagement Framework and observation tool.
  - Developing partnerships between research and practitioners.
- What have you **learned**?
  - Differing perspectives and approaches to STEM learning

## Audience & Settings

**Audience:** Elementary School Children (6-10), Pre-K Children (3-5), Museum/ISE Professionals, Learning Researchers

**Disciplinary area:** General STEM

**Learning environment:** Informal education sites with STEM content exhibits

## Access and Inclusion

The project focused foremost on child-centered pedagogical approaches. Data collection continued with a child-centered observation lens and validity checks against observation bias. The project was intentional and successful in choosing sites to observe a broad spectrum of cultures, while not isolating or assuming cultural influences.



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