Teacher Professional Development

KID Museum's **Maker Studio Program** was designed to **build school-wide capacity to support year-round maker learning driven by champion teachers in a school.** The program is geared towards individuals with school wide roles such as library media specialists and STEM teachers. The program includes 8 hours of professional learning workshops and up to 10 hours of in-class support from KID Museum Maker Educators.

Grounded in KID Museum's "Mind of a Maker" framework, the program includes **access to 10-15 skill building lessons and lesson starters, as well as maker materials to jumpstart activities.** Additionally, teachers participate in **full cohort workshops that integrate the introduction of maker skills, tools and materials with facilitation strategies** for maker learning and KID Museum Mind of a Maker framework. Each teacher also receives **individualized support in planning and progressing towards their goals.** Teachers participating in the Maker Studio program also leave with a **customized action plan based on their school community's unique characteristics, goals, and needs.** Participants addressed goals such as:

- Integrating a long-term maker learning project into existing curricular content at one or more grade levels
- Activating a media center makerspace with maker activities
- Building buy-in from the school community to support maker learning

In 2022, Maker Studio was delivered to **12 elementary schools** in MCPS, with **24 teachers** delivering high-impact, maker-based learning curriculum to more than 500 students. Ten of the schools have Title 1 status and/or high FARMS rates. Participants included classroom teachers and art, library, and media specialists.

Program Measures

KID Museum, evaluated the program with quantitative and qualitative feedback surveys. KID Museum designed brief feedback forms, including Likert-scales and open-ended questions, which were delivered to participants following the professional development workshop.

Program Outcomes

95% of teachers felt the training was very effective at improving their **engineering and construction skills**

80% of teachers felt the training was very effective at improving their **agency in the maker classroom**

90% of teachers felt the training was effective at improving their **omability to make space for making in the classro**

70% of teachers felt the training was very effective at improving their **project planning skills**

Overall, teachers felt more confident, comfortable, and competent to lead maker-based activities with their students.

"Amazing opportunity to bridge the concepts through a whole brain learning approach."

— Participating Teacher in KID Museum's Maker Studio PD