CARDBOARD ENGINEERING







Designing for More Families

Our project focuses on iterative improvements to a cardboard-focused maker exhibition to engage more families in engineering practices. Initial activities and design choices focused on improving the design:



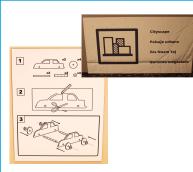
Iteration via Community Partner Events







Multiple Entry Points via assembly, creative construction, and tinkering prompts



Accessibility Improvements via icon-heavy and translated labels

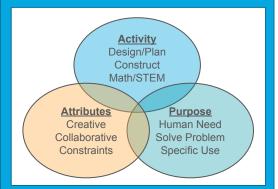
Next Steps



Our project has just finished data collection, including surveys, family-generated making videos, video-cued reflection interviews, and interviews with practitioners. We will begin analyzing video data with particular attention to:

- How is the Engineering Framework BIPOC family definitions of engineering
 reflected in family behavior?
- What are productive changes to the maker exhibition design to engage more BIPOC families? (More events and exhibitions are planned)

Engineering Framework



Developed from BIPOC families descriptions of engineering, collected via surveys and video-cued interviews

Asked for a) what the word "engineering" means to them, and b) if anything they did in the maker exhibition felt like engineering.