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Agenda

● Design Squad Latinx Overview
  ○ Project Goals
  ○ Research and Development Process
● Materials Walkthrough
● Questions
Why Design Squad Latinx?

- Only 8% of U.S. adults in STEM jobs are of Hispanic/Latinx origin (Student Research Foundations, 2020).
- Latin America is home to over 10% of the world’s population, but only accounts for 5% of the global scientific output (Ferreira, 2019).
- Less than 4% of engineering bachelor’s degrees are awarded to African American, Hispanic/Latina, and Native American women combined (De la Rosa, 2020).
Design Squad Latinx (DSL) is a bilingual, strengths-based engineering program designed for Latinx youth ages 10-13. 

- Developed with and for Latinx communities.
- Employs a strengths-based approach.
- Communitywide education effort to increase STEM opportunities and resources for Latinx youth.
- Raises the profile of engineering in Latinx communities.
Funds of Knowledge: the accumulated knowledge, skills, talents, and abilities that people develop over time from life experiences within their families, communities, and cultures.
Conceptual Framework

Discover It
Before kids can use their funds of knowledge in engineering, they must first acknowledge them. Educators can help by eliciting the abilities, talents, skills and knowledge.

Value It
Once kids have found their funds of knowledge, they should recognize and appreciate them as resources to be used when addressing problems through the engineering design process.

Apply It
Kids use their funds of knowledge to create and tackle engineering design challenges.
Funds of Knowledge: the accumulated knowledge, skills, talents, and abilities that people develop over time from life experiences within their families, communities, and cultures.