Iterative Development Process

- **Asset Mapping**
  - Conducted in RI, CA and PR
  - Had youth identify their assets, skills and knowledge

- **Prototype Testing**
  - Three rounds in various sites in RI, CA, PR, and MA by Fluent Research
  - Feedback on activity prototypes
Gauging Impact

● **Pilot Study**
  ○ Conducted at 4 sites in RI, CA and PR by Fluent Research
  ○ Tested portion of program for 6-weeks

● **Implementation Study**
  ○ Currently underway, results expected this summer
  ○ Conducted in afterschool or enrichment programs RI, CA, MA and PR by Fluent Research
  ○ Testing full Design Squad Latinx program vs. a comparable engineering program
Design Squad Latinx Collection

- Fully bilingual collection
- Consists of
  - Welcome to Design Squad Latinx
  - Four, flexible modules
  - Self-paced educator training and professional development series
- Collection includes 22 videos, 32 handouts, 6 unique engineering challenges, and much more!

pbslearningmedia.org/collection/design-squad-latinx
Discover the Design Process

Pláticas
Pláticas, or “friendly conversations,” are a wonderful way to connect with youth and their funds of knowledge. At the beginning and end of each session, bring everyone together for a conversation about their experiences. Be sure to validate kids’ funds of knowledge.
Explore Pulleys
Showcase Your Work
Training and Professional Development

Design Squad Latinx Leader Training

What to Expect

This training is broken down into four parts:

- PART 1: ENGINEERING & THE DESIGN PROCESS
- PART 2: DESIGN SQUAD LATINX
- PART 3: CLUB LEADER CONFIDENCE
- PART 4: CLUB LEADER TOOLKIT

As you work your way through the four parts, you will engage with interactive activities, watch videos, take short quizzes, and answer reflection questions. Remember to click “Save” throughout so you can have a collection of your responses (found under “My Work”) to use as a reference.

By completing this training, you will:

- Be able to facilitate kid-centered engineering activities that embody the flexible and iterative nature of engineering and the design process
- Be able to explain why and how this program is designed for Latinx kids
- Gain confidence in running engineering and design thinking programming, even with no previous knowledge of these concepts
- Be able to find program resources and know when and how to utilize them

Ready to dive into the world of engineering? Let’s get started!

Professional Development: Funds of Knowledge

In this video, Dr. Mejia introduces the concept of “Funds of Knowledge” and provides background on its research and the role it plays in Latino youth education.

Support Materials for Teachers

- BACKGROUND READING
  - Background Essay | Professional Development: Funds of Knowledge

- DISCUSSION QUESTIONS
  - Reflection Questions | Professional Development: Funds of Knowledge

- FURTHER INFORMATION
  - Should Rey Mysterio Drink Gatorade?: Cultural Competence in Afterschool STEM Programming
  - STEM Education through Funds of Knowledge: Creating Bridges between Formal and Informal Resources in the Classroom
Coming Soon - Design Squad Latinx Event Guide

- Hands-on event activities
- Ideas for finding community engineer/student volunteers
- Tips for working with volunteers
- Event checklist
- Post event survey
Thank you!

Questions?

Email: nicki_sirianni@wgbh.org