



AWARD # 1906913

Community Partners: iEARN USA, Orillas PR, Envisioneers, YMCA San Diego

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pbslearningmedia.org/collection/design-squad-latinx

Project Description

Design Squad Latinx aims to deepen understanding of how a participatory design process can inform the development of a new bilingual conceptual framework and the production of a suite of multimedia resources for strengths-based engineering education that engage Latinx youth and informal educators.

Key Achievements

- A participatory design process was used to develop a conceptual framework and inform the production of a suite of multimedia resources. Over 40 bilingual multimedia resources were created, including engineering challenges, explainer animations, live action videos, self-paced online trainings, and professional development designed to promote broader participation in engineering among Latinx youth.
- Alternative supports, such as flexible implementation models and staff incentives, were added to Design Squad Latinx to address stressors that emerged during the pandemic within traditional out-of-school time program models, especially those serving marginalized communities.



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Audience & Settings

Audience:

10 - 13 - year - old youth

Disciplinary area:

Engineering

Learning environment:

Out-of-school-time programs operated in schools, libraries, and community centers

Access and Inclusion

Design Squad Latinx addresses an issue of equity and a critical need: to increase awareness and interest in engineering among Latinx youth. The collection of bilingual multimedia resources help Latinx youth to discover, value, and apply their funds of knowledge to solve engineering challenges that are relevant to their own lives.



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