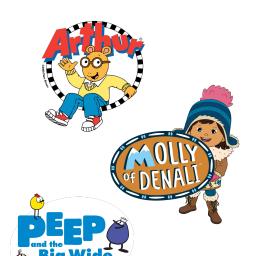


A collaboration of GBH Education and iEARN-USA



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GBH Education - a division of public media leader GBH - is a longstanding producer of robust, research-based educational media for preschool, K-12, and out-of-school programs.

www.gbh.org/education

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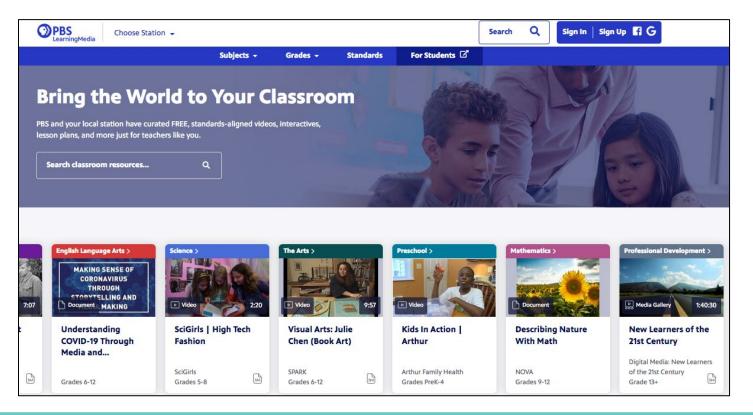






www.pbslearningmedia.org

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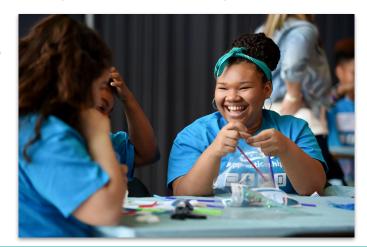
Agenda

- 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).



Funds of Knowledge

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.



