

**New Challenges & Next Steps**

* *Teacher burnout and participant recuritment.*
* *How to deliver effective virtual PD to teachers.*
* *PD blending synchronous and asynchronous content.*

Despite teachers’ high baseline belief that integrating engineering, digital technologies, and systems thinking into instruction is appropriate, elementary teachers need effective PD to build their understanding and confidence in implementing technology-enhanced engineering instruction.

**Equity**

* *PD served teachers from school disctricts with high number of underrepresented students in STEM and from low-SES backgrounds.*
* *PD emphasized integration of technology and engineering to solve problems of interest to students based on their context.*

**Lessons Learned & Insights Gained**

*Significant gaps exist in teacher and student understanding of engineering and in teacher confidence for incorporating technology and engineering design into lessons.*

**Title:** Digital technology integration and engineering contexts to support elementary students' systems thinking

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NSF Award Number​: 1850296 Dates: 2019 – 2022

Project type:​ DTI

Project URL: <https://sites.google.com/view/makingengineeringreal/home>

Project Overview: This project aims to support K-5 educators in Virginia to integrate engineering, digital technologies, and systems thinking into instruction through professional development, particularly in schools with high percentages of students historically underrepresented in STEM and from low SES backgrounds.