

## HANDS-ON MINDS-ON INDUSTRIAL PRACTICES

**Name of Submitter:** Jenna Carpenter

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**Presentation Title: Using the Engineering Design Process and Hands-on Projects to Teach Teamwork and Resilience**

The Campbell University School of Engineering uses hands-on projects to provide students the opportunity to learn and apply the Engineering Design Process in teams, preparing them for cross-disciplinary projects in their future jobs. Additionally, the Engineering Design Process is a framework for overcoming failure, giving students the opportunity to develop a resilience mindset. Participants in this presentation will complete a mini-project in teams to experience firsthand how specific team roles can build team unity and help teammates overcome challenges together. Participants will brainstorm with their teammates how to include the design process in their own classrooms.

**Presentation Target:**

High School

**Presenter(s):**

1. Allison Lee, Assistant Professor, Campbell University School of Engineering
2. TBD, Director of Student Success, Campbell University School of Engineering