



Pinecrest Academy STEAM Career Day – HS/Prep

17 April 2026

Event Outcomes

SOFWERX engaged high school and preparatory students at Pinecrest Academy during a Career Day event through structured, hour-long sessions focused on applied STEM concepts, innovation, and problem-solving. Building on foundational STEM awareness, the engagement emphasized the engineering design process and its relevance to real-world challenges supporting the United States Special Operations Command (USSOCOM) mission. Through a combination of interactive instruction and hands-on activities, students explored how ideation, testing, iteration, and collaboration contribute to effective engineering solutions and mission-driven innovation.

- SOFWERX staff led hands-on engineering challenges, including index card design exercises and spaghetti tower builds, reinforcing principles such as structural design, iteration, and teamwork while actively applying the engineering design process.
- During the event, students participated in guided reflection and problem-solving discussions, analyzing outcomes from their builds and connecting key concepts such as adaptability, creativity, and continuous improvement to real-world engineering applications.
- SOFWERX staff engaged across multiple classroom sessions, delivering consistent, in-depth STEM exposure and strengthening students' understanding of how technical skills and innovative thinking translate into future career pathways aligned with USSOCOM and SOFWERX.

