

## **SAMPLE WORK-BASED LEARNING WORKSHOP**

**Student Project:** Design and present a solution to protect firefighter(s) by automatically sending real time information to his/her command station/chief. This year we gave the students Micro:Bit hardware and software technology that enabled them to get hands on experience designing, coding and testing their solution. Each team had 1 Project/Product Manager (Business Ops) and a team of Engineers (STEM).

### **Overview of the Week:**

- **Monday:** User Experience Design Workshop; a session with a volunteer firefighter and MSI employee who helped some of the kids get suited up in firefighter gear
- **Tuesday:** Business Case & Value Proposition and Computer Programming Fundamentals
- **Wednesday:** Prototyping and Innovation Center Tours
- **Thursday:** Storytelling Session with Corporate Vice President, and Team Working sessions
- **Friday:** Final Presentation and Competition - Judges: VP of Engineering, VP Command & Control, Sr. Director Procurement, Director - User Experience

The groups came up with some amazing ideas that focused on location, biometrics and communications. Ultimately, the winning teams did an excellent job with: Prototype, Concept/Idea, Presentation, Collaboration and Story Telling/Selling it.