Implementing Sensor Immersion with Career Connections

Lesson 1 Lesson 2 Lesson 3 Lesson 4 Lesson 5 Anchoring Students learn basic Students learn Students share **Summative Transfer** Wrap up Launch Phenomena, Initial conditional logic, expertise and plan Task Assessment programming and Sensor Sensor Model, DQB hardwiring to collect inputs, and outputs and build systems to **Immersion Immersion** simple data. address local problem Unit Unit **Sensors in Our World** Sensors in Our World **Design Thinking Activity** Youth brainstorm Students revisit their Youth apply the real-world applications of sensors brainstorming. engineering design Intro to Career **Synthesizing Career** sensors and process to a local problem Connections **Connections** programming. using sensors. Revisit STEM learning goal: Introduce STEM learning goal: What is STEM, and what are Sequencing: **Sequencing: Sequencing:** examples of STEM Careers? What is STEM, and what After Lesson 1, warm up for After Lesson 3 After Lesson 4 are examples of STEM STEM Career Wall wrap-up + Careers? My Career Profile (mynextmove.org) STFM Career Card Sort activity Create class consensus definition: Introduce STEM Career Wall activity What is STFM? **STEM Career Wall** What is a STEM career? Students revisit the STEM career wall and discuss careers and skills related to sensors Sequencing: Sequencing: and programming. Prior to Sensor Immersion Following/integrated with Sequencing: After Lessons 2, 3, and 5 unit launch unit wrap up

STEM Mentors integrated when available, according to a format that works best. (Mentor Typology Tool)