Pillar 1, Middle School: Chad Lane & Kevin Clark
Middle School  Innovative use of Technology

- Using experiential learning with machine learning tools to demystify AI and increase accessibility
- Exposing youth to music composition though coding
- Kids as experts: teach teachers and peers (educative curriculum; reciprocal teaching)
- Culture and technology connection; role of language and history
Middle School  Innovative use of Technology

- Effective strategies and optimal amount of structure/guidance for **co-design**
- **Teacher** workloads + capacity for research
  - Technology - rapidly changing
  - Data practices
  - Compensation
  - Support for difficult topics in classroom
- Connecting students to STEM professionals that look like them
Middle School  Innovative use of Technology

- Tensions between scaling and core features of a program
  - Local relevance
  - Depth of content
  - Pathways may vary
- What types of data can help us understand what students are learning?
- Middle school and work? Awareness of STEM societal challenges/needs; Research should focus on how to prepare for work / 21st century skills
  - shift from jobs to problems and purpose