

**New Challenges & Next Steps**

* Each school, teacher, and class is different.
  + We are trying to meet every teacher and school district where they feel comfortable implementing.
* Electives are not core classes. There are different types of electives 9 week vs 18 week.
  + We are reconsidering our scope and pace of curriculum development and implementation.
* Not all teachers are available for ongoing PD and not all feel ready to teach the curriculum.
  + We need to develop a range of professional development options.

**Lessons Learned & Insights Gained***Building collaborative relationships take time but co-design can scaffold this process:*Phase 1 - Researchers framed curriculum ideas and teachers provided feedback,   
Phase 2 - Teachers adapted the curriculum resources to meet their instructional styles and student needs, and piloted the course, and   
Phase 3 - Teachers framed new curriculum ideas and adaptations of materials, which researchers helped refine.

**Equity**

*Co-design:*

* Centers the lived experiences of teachers, incrementally building the technical expertise and agency of teachers.
* Leverages the knowledge and expertise of university researchers while shifting the inherent power structure that exists between researchers and teachers.
* Helps teachers and researchers became more aware of their power.
* Focuses on the interests and learning needs of the students as common ground for making design decisions.

**AI4GA: Developing Artificial Intelligence Competencies, Career Awareness, and Interest in Georgia Middle School Teachers and Students**

David Touretzky, Carnegie Mellon University, Christina Gardner-McCune, University of Florida, Bryan Cox, GA Department of Education

NSF Award Number​: DRL-2049029 and DRL-2048502 Dates: May 2021-April 2024

Project type:​ ITEST Collaborative

Project URL: https://ai4ga.org/, https://stemforall2022.videohall.com/presentations/2345

Project Overview: We are co-designing and piloting a 9-week AI elective for middle school students with 8 middle school teachers. Through this process, we are learning how to best engage and scaffold student learning. In addition, we aim to better understand the types of resources teachers need to confidently teach AI.

Co-design can be used as both a tool for collaboratively developing engaging AI activities and as a mechanism for mutual professional development.