

Scope of Work for:

ADD – Adventures in Drug Discovery: Integrating Data Science into the Science Curriculum

Goal

As a collaborative partner with the Institute for Future Intelligence, Dr. Crippen will provide Co-PI and consultation services related to professional development of teacher participants and enactment of a research plan.

Project's Research Questions

Overall Design and Development Process - What design principles, frameworks and heuristics contribute to the feasibility of the ADD approach to curriculum development?

Supporting Collaboration with Districts and Teachers - What models of professional collaboration are most effective for supporting teachers in various contexts with different student demographics in the process of coming to know and use the new materials effectively and efficiently?

Influence on Teaching and Learning - In what ways are the various pedagogical approaches and supports utilized by students and teachers and to what extent are they impacting participation in the learning process and procurement of outcomes?