Evaluation data: student experience and confidence in conducting their own research

On the pre-survey we asked: How much experience have you had conducting your own research projects? On the post-survey we asked: How would you rate your confidence in your ability to conduct your own research project in the future?

Before the unit, 62% of students have had at least a little experience conducting their own research, including 32% who have had some or a lot. Afterwards 85% are at least somewhat confident, including 46% who are confident or very confident.

Improving students’ ability to design and carry out research

Two teachers provided data on their students’ success in carrying different aspects of research design. Both teachers agreed, or agreed strongly that: their students were mostly very engaged in conducting the research project, their students were more engaged than they typically are for science-related projects, the experience of designing and conducting a research project positively impacted their overall enthusiasm for and interest in science, and their students generated additional question from their research they were interesting in pursuing.