

Eli M. Silk

Eli Silk is an education researcher and learning scientist. He currently works as a Research Fellow at the University of Michigan's Center for Research on Learning and Teaching in Engineering studying how engineering students generate solution ideas to design problems. His research interests are focused broadly on investigating processes of learning in Science, Technology, Engineering, and Mathematics (STEM) fields. The central aspect of his work has been trying to understand the bidirectional impacts that occur when students attempt to coordinate ideas and practices from the more basic disciplines of Science and Mathematics with related ideas and practices from the more applied disciplines of Technology and Engineering. He has explored these issues primarily with middle school students in contexts such as using engineering design to learn about electricity, and using mathematics to learn about programming LEGO robots. He received his Ph.D. in cognitive studies in education from the University of Pittsburgh in 2011.