



Name, Degree Tom Foster, PhD

Title: Professor

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1. What are your current 3 main areas of research?

- How does student cognitive load impact the conceptual learning of physics?
- How does student cognitive load impact the student's problem-solving skill development?
- Does outcomes-based assessment improve student learning?

2. What are the top 3 areas of expertise/tools you are looking for in a research collaborator?

- Familiarity with CLT
- Strong quantitative and/or qualitative research skills (i.e. SPSS, NUDist)
- Familiarity with NSF Fastlane

3. What 3 skills/tools that you have access to, are you willing to share with a potential research collaborator?

- Comfortable assessing and developing curriculum for most STEM courses. STEM does not scare me
- Familiarity with NGSS
- Familiarity with NSF Fastlane