WATERS' goal is to develop and test a UDL enhanced curriculum on water and water-related career awareness for ages 10-15.

**Project type:** ITEST SPrEaD  
**Project start/end date:** 2019-2022  
**Project URL:** [https://blogs.millersville.edu/waters/](https://blogs.millersville.edu/waters/)

### Strategies:
- Adapted the 10 lessons for online delivery using Universal Design for Learning (UDL) strategies.
- Created online simulations for outdoor field activities.
- Adapted career videos to student feedback and questions were altered to address students’ opinions instead of video content.

### Insights & Achievements
- 300+ students and 10 teachers utilized the curriculum online.
- Students had statistically significant changes in watershed content knowledge.
- Students who enter the classroom with low confidence and efficacy in STEM subjects and little initial interest in STEM careers showed positive increases in all domains.
- Multiple journal articles have been published & findings have been shared at multiple conferences.

### Reconsiderando:
- What have you needed to reconsider?  
  *How can field experiences be converted for remote learning?*
- What have you been able to creatively overcome and how?  
  *Converting hands-on components via online simulations*
- What are you still grappling with?  
  *Lasting COVID impacts*
1850060, 1850051, 1849719 Watershed Awareness using Technology and Environmental Research for Sustainability (WATERS)