

Wyoming Perkins Innovation & Modernization Project

Evaluation Highlights for the Computational Thinking Micro-Credential (MC)

WY Micro-Credentials positively impact teachers' computer science knowledge, teaching practices, and self-efficacy!

Teachers Realize Benefits from MCs

Based on the End-of-Micro-Credential Questionnaire (N=15):



said that overall MC experience was positive.

93%

said that as a result of completing the MC they would change their teaching practices.



said that as a result of completing the MC the following increased:

- Work-related Motivation
- Work-related Knowledge
- Work-related Skills

93

said they would recommend the MC to other teachers.



said that the MC will impact their work with students.

Best Things About the MC:

- Meaningful and constructive feedback from reviewers
- ADDIE model
- Provided Resources on CS

Sample Comments:

- "This MC motivated me to use my computer science standards when creating a new lesson for my students."
- "The best thing was learning more about the element of debugging and the challenge to have students investigate."

Teachers Experience Increased Knowledge/Self-Efficacy from the MCs

Pre-/Post-Assessments show improvements in outcomes (N=15). For example:







