WDE Opportunity Through Education

Wyoming Elementary Computer Science Micro-Credential Pilot

Evaluation Highlights Across All Micro-Credentials (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=68):

96% said that overall MC experience was positive.

82% said that as a result of completing the MC they would change their teaching practices.

~85% said that as a result of completing the MC the following increased:

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

81% said they would recommend the MC to other teachers.

84% said that the MC will impact their work with students.

Impacts of MCs on Teachers

Teachers were asked how the MCs impacted them personally and professionally.

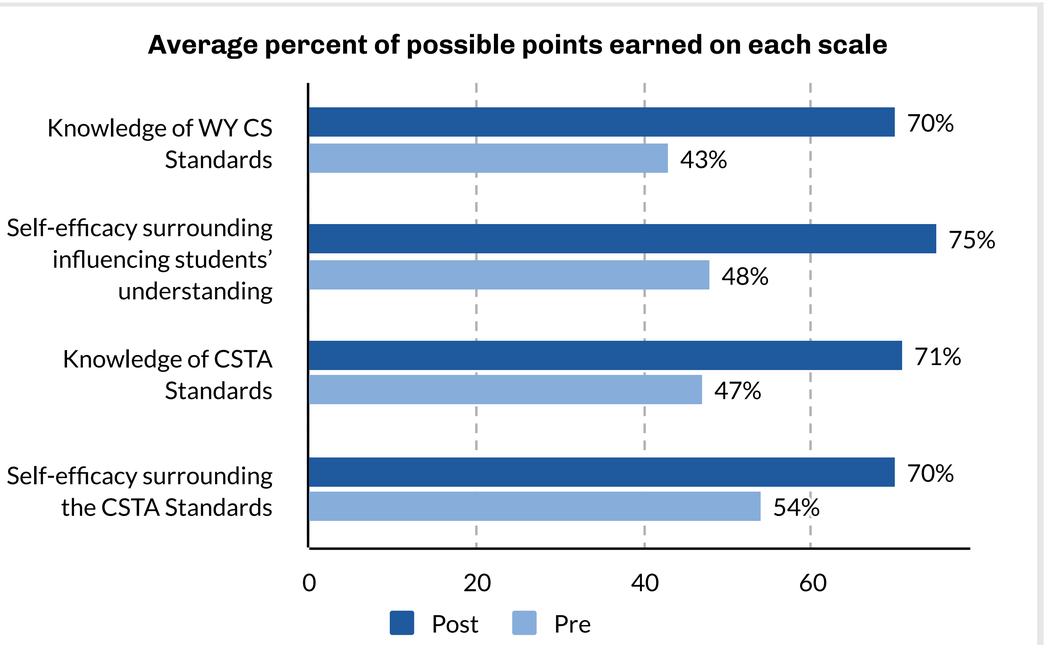
Sample Teacher Comments:

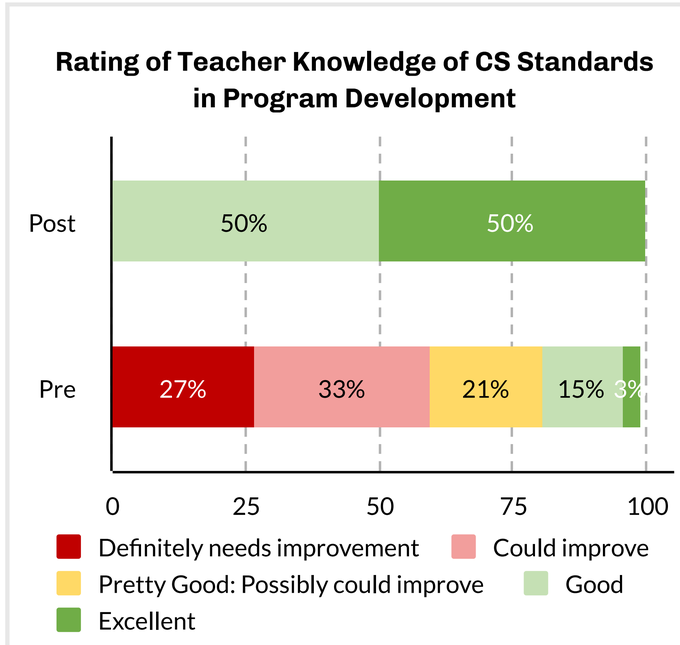
- "I liked that I created lessons that align with this standard that I can use for the future. It will help me to explain to other primary teachers what the standard is asking."
- "Implementing MC has challenged me to think more deeply about integrating across subjects. My students were more successful because of the lesson I created."
- "Taking the time to learn about sequences, conditionals, and repetitions, I am starting to make connections to them in my daily life. I believe I am beginning to think like a programmer."

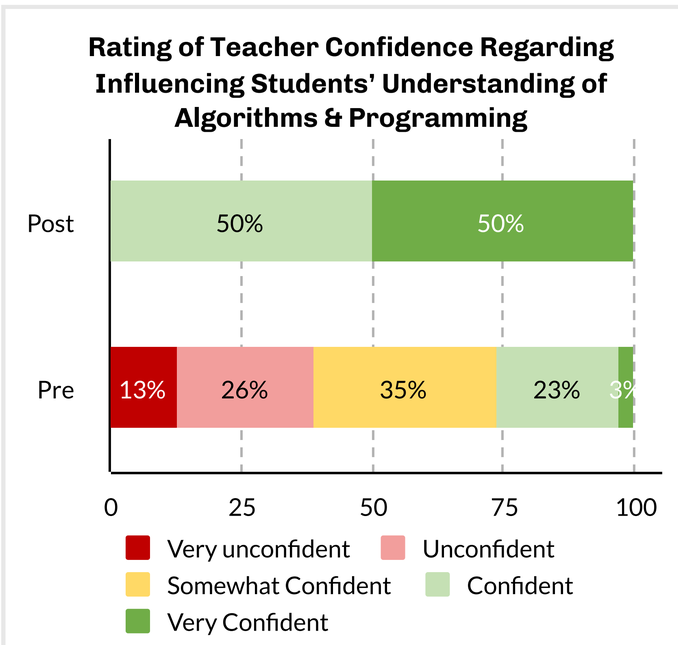
Teachers Experience Increased Knowledge/Self-Efficacy from the MCs

Pre-/Post-Assessments show improvements in outcomes (Pre N=33; Post N=16). For example:

(CS=Computer Science; CSTA=Computer Science Teacher Association)







DATA DRIVEN ENTERPRISES

June 13, 2022