First Impressions on Implementing Mindset & Metacognition Strategies into a General Chemistry Classroom

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Do the additions of mindset and metacognition strategies improve student success in the General Chemistry classroom?

Growth Mindset initiatives were added to my Spring 2019 General Chemistry II course via a class mantra (see above). This mantra was stated in our course syllabus and was stated by me on many occasions throughout the semester.

Metacognition initiatives were added to the same course via a 50-min presentation adapted from Saundra McGuire and tailored to fit my course. This presentation took place during the first Discussion session after the first exam. The most important points were also posted to D2L where students could see them daily. Before and after each subsequent exam, students were reminded to focus on these points to help them succeed in the course.

“I was really scared of chemistry, but the class mantra helped me feel comfortable asking questions and seeking help from Dr. K because I knew it was OK to just not know how yet.”

—Student

References