Spotlight on: Mastering

How can Mastering help Physical Science students succeed?

How can Mastering engage students in and out of the classroom?

At Miami Dade College, Mastering™ Chemistry was implemented in Gen Chem II to provide resources to help students develop study skills and improve learning. Resources included the Chemistry Primer, Dynamic Study Modules, and Adaptive Follow-Up. Students gave the following feedback:

“What I liked about Mastering was the relevance it had toward the material we experienced on the exams and in class.”

“I like that it takes you step-by-step through how to solve a problem.”

“It tells you hints throughout and the study module helped me work out problems when I didn’t know.”

How can Mastering be implemented to help students develop better problem-solving skills?

At University of North Georgia, the instructor taught a flipped calculus-based physics course implementing Mastering to provide diverse learning resources, enhance problem-solving skills, and minimize homework copying. The Mastering homework is designed to motivate students to do the problems on their own rather than google answers. Results show that students had a higher normalized change on the FCI compared to other sections and courses (figure 2).

How can Mastering be implemented to facilitate students coming to class prepared for active learning?

At University of Utah, the instructor of an algebra-based physics course integrated class demonstrations and interactive Mastering resources both inside and outside the classroom. The correlation between Mastering pre-lecture homework — designed to ensure students come to class prepared — and in-class Learning Catalytics activities was moderately strong, and the majority of students had both high pre-lecture and Learning Catalytics scores (figure 1).

Additional information:

Learn more about implementing technology to enhance success:
Planning your Technology Implementation

Learn more about using Mastering and Learning Catalytics for active learning:
Engaging Distracted Students in the Classroom

Read additional Mastering studies at:
www.pearsonmastering.com/results

Contact your Pearson rep.