Pearson

MyLab Foundational Skills

Efficacy Report Summary

MyLab Foundational Skills is a mastery and competency-based online platform designed to assess and remediate reading, writing, mathematics, study skills, and digital literacy skills to prepare students for college and careers.

Study 1:
Is the use of online learning technologies associated with greater learning gains?
To analyze the relationship between student usage and performance in MyLab Foundational Skills and learning gains, SRI International conducted a study at a community college in the state of Arizona, where students with incoming math and/or reading skills at the 4th to 9th grade levels were using MyLab Foundational Skills as part of an adult basic education (ABE) program.

This research was part of a wider study looking at the effects of five different online learning products in 14 different ABE programs.

What we found

Across the five different online products included in the study, there were almost no significant differences in achievement between students who used them and similar students who did not use them. The study also found that spending more time logged into the products was not generally associated with higher achievement.

In the context of the study conducted at a community college in the state of Arizona, Pearson is able to make the following statements about the efficacy of MyLab Foundational Skills:

— There were no significant differences in reading, math, and language scores between students who used MyLab Foundational Skills and students who did not use MyLab Foundational Skills, when adjusting for pre-test scores, age, and gender.
— There were no significant relationships between average number of hours spent per day in MyLab Foundational Skills and scores on reading, math, and language tests.

These statements are set out in full in the box titled "Efficacy statements" on page 10 of the Research Report where they have been subject to assurance by PwC, whose report can be found at the end of the Research Report.

How they did the research

The study compared the performance of students using MyLab Foundational Skills to similar students who did not use the product. SRI measured:

— usage of MyLab Foundational Skills by looking at the number of hours students spent logged into the product each day
— performance by looking at students' achievement in the reading, math, and language tests of Adult Basic Education administered at the end of the course

Key findings

There is **no significant difference in reading, math and language scores** between students who:

Used MyLab Foundational Skills

Students who didn't use MyLab Foundational Skills

Study 2:
Is the use of MyLab Foundational Skills associated with higher course grades?
To analyze the relation between student usage and performance in MyLab Foundational Skills and course outcomes, we asked SRI International to conduct a study with Rio Salado College, a two-year college where students were using MyLab Foundational Skills in two developmental writing courses for three academic terms between 2014 and 2015. Students could access the online courses at any time of the week.

What they found

SRI found that after controlling for student-level background characteristics, the number of homework attempts and number of learning objectives mastered were significantly associated with course grades and passing the course.

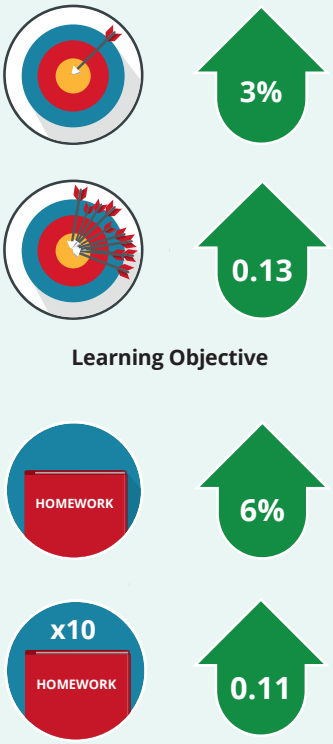
However, attempting more learning objectives was negatively associated with both. This could be because students struggling in the course tend to make more attempts without actually mastering the objectives, and also tend to get lower course grades than do higher achieving students. The result does not necessarily suggest that making multiple attempts at learning objectives is detrimental to learning.

In the context of the study conducted at Rio Salado College, Pearson is able to make the following statements about the efficacy of MyLab Foundational Skills:

— Each additional learning objective mastered was associated with a 3% increase in the odds of passing the course.
— Each additional homework attempt was associated with a 6% increase in the odds of passing the course.
— Each additional attempt at mastering a learning objective was associated with a reduction in a student's odds of passing a course of 3%.
— Making 10 additional homework attempts was associated with an increase in a student's final course grade of 0.11 grade point.
— Mastering 10 additional learning objectives was associated with an increase of 0.13 grade point.
— Making 10 additional learning objective attempts was associated with a decrease in final course grade of 0.10 point.

These statements are set out in full in the box titled "Efficacy statements" on page 14 of the Research Report where they have been subject to assurance by PwC, whose report can be found at the end of the Research Report.

Key findings



How they did the research

— SRI measured usage and performance inMyLab Foundational Skills by looking at the number of attempts students made at homework questions and the number of learning objectives that students mastered successfully.
— They measured students' achievement in the course by examining their course grades and whether they passed the course.

Explore the full report at Pearson.com/corporate/efficacy-and-research

Pearson's Efficacy Commitment

In 2013, Pearson made a commitment to efficacy: to identify the outcomes that matter most to students and educators, and apply evidence-based approaches to product design, development and implementation support so we could have a greater impact on improving those outcomes. We committed to reporting on the impact of use of products, commencing in 2018 with some of our most frequently used products.

To Pearson, efficacy is more than a commitment to report on the impact of use of our products on outcomes. It is even more than a way to continuously improve our products. Efficacy is a priority for everyone at Pearson. Applying outcomes-focused, evidence-based design to our products, and supporting educators to use them to help more learners learn more, is at the heart of who we are, what we do — and of our vision for the future of learning.