

PLTW



Project Lead The Way Linked to Improved Outcomes for Missouri Students

Overview of the Final Report of the Impact of
Project Lead The Way on Missouri High School Students

Study Details

Researchers measured high school and post-secondary outcomes for PLTW and non-PLTW Missouri students that began high school in either 2013 or 2014 with outcomes measured through 2020. To account for other factors that might affect student outcomes, the researchers controlled for a variety of school-level and student-level characteristics in their analysis such as school enrollment, school locale, student gender, and student academic achievement.

PLTW Students

- Completed at least one PLTW course

Non-PLTW Students

- Did not complete a PLTW course

Research Team: Urban Education Research Center at UMKC, Sinefield Center for Applied Economic Research, and University of Missouri Columbia

145,619 total students | **13%** of which were PLTW students

Notable High School Outcomes

When compared to non-PLTW students, PLTW students were:

7% more likely to graduate after completing 1 PLTW course

11% more likely to graduate after completing 2+ PLTW courses

Additional Insights ↓

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Notable Minoritized Student Outcomes

When compared to non-PLTW students of the same demographic:

Hispanic students who took 2+ PLTW courses were:

Female **16% and 20%**
more likely to graduate high school

19%
more likely to enroll in a post-secondary institution

9%
more likely to declare a STEM major in college

Black students who took 2+ PLTW courses were:

Female **9% and 19%**
more likely to graduate high school

Female **17% and 18%**
more likely to enroll in a post-secondary institution

Female **10% and 9%**
more likely to declare a STEM major in college

Notable Post-Secondary Outcomes



When compared to non-PLTW students, PLTW students were:

6% more likely to enroll in a post-secondary institution after completing 1 PLTW course

4% more likely to declare a STEM major after completing 1 PLTW course

15% more likely to enroll in a post-secondary institution after completing 2+ PLTW courses

13% more likely to declare a STEM major after completing 2+ PLTW courses

[Read the Final Report](#)