CASSIA HIGH SCHOOL + DERIVITA

Derivita's impact on student achievement and attitude in Burley, Idaho.



INTRODUCTION

Daniel Thomander implemented Derivita into his high school Algebra 1B course in the second semester of the 2023-2024 school year and his 2024 Algebra 1B Summer Course.

AN EXPERIMENT

Thomander taught the same Algebra 1B concepts with the same curriculum for both semesters and his Summer Course.

The students enrolled in Algebra 1B in the first semester of the school year did not use Derivita.

The students enrolled in the Algebra 1B Summer Course did not pass the course previously. All courses held 22-28 students.

The only significant change Mr. Thomander made from the school-year course to the Summer Course was to implement Derivita.

"The [students'] enthusiasm for math learning was so remarkably different than it had been using all the same approaches just a few months earlier...**this is making a huge difference**".



DANIEL THOMANDER,
HS ALGEBRA 1 TEACHER

EMPOWERED INSTRUCTION

With Derivita, Thomander was able to offer his Summer students:

- Multiple attempts on a single problem.
- Various versions of the same assessments, assignments, or individual items given to each student.
- Automated, immediate, and positive feedback given to each and every student.
- Chances to actively participate in in-class discussion and review sessions with SpotCheck.

EOC ALGEBRA 1 TEST RESULTS

Thomander compares his average EOC Algebra 1B test scores of the school year to his average Summer EOC Algebra 1B test scores - where he utilized **Derivita.**

Average EOC Algebra 1B Test Scores	Average EOC Algebra 1B Summer Test Scores
22 Students - March 2024	25 Students - June 2024
69.62	89.58





CASSIA STUDENT FEEDBACK

IMPROVED STUDENT ATTITUDE TOWARDS MATH

Thomander conducted an anonymous survey of his **25** high school students at the end of the Algebra 1B Summer Course to see how students felt about his classroom, teaching style, and use of Derivita.

All survey questions were offered in both English and Spanish.

"The emphasis is definitely not on 'you're wrong'...It's 'not quite', 'try again' - these little prompts are beautiful. That's the attitude that we need these kids to develop and the messaging inside of [Derivita], definitely just fosters all of that."

DANIEL THOMANDER,
HS ALGEBRA 1 TEACHER

SURVEY RESULTS



DERIVITA EFFECTIVENESS:

72% of students reported that Derivita made math class "much better overall," and 16% said it made it "slightly better."



CONTINUED USE OF DERIVITA:

96% of students expressed a desire for Thomander to continue using Derivita in future classes.



OVERALL LEARNING EXPERIENCE WITH DERIVITA:

96% of students rated Derivita's effectiveness in helping them learn math as "extremely well" or as "quite well."

CONCLUSION

"Based on students' experiences, improvements in attitude, and increased test scores on EOC exams, the Derivita platform can help high school math teachers create a more engaging and effective learning experience."



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