

Imagine Edgenuity Courseware Contributes to South Carolina End-of-Course Exam Success

BACKGROUND

During the 2021–2022 academic year, SC Whitmore School implemented Imagine Edgenuity Courseware as the primary curriculum for Algebra 1, Biology, and English 2. SC Whitmore is a fully online charter high school in South Carolina. On average, 85% of students completed their course with 77% completing Algebra 1, 94% completing Biology, and 81% completing English 2. For every subject, students achieved at or above 95% progress in their course. To measure the impact of Imagine Edgenuity Courseware on students' end-of-course exams, Imagine Learning analyzed the association between Imagine Edgenuity Courseware usage metrics and South Carolina end-of-course (EOC) examination scores.

Demographics	Imagine Edgenuity Users (N=125)
White	74%
Black	18%
Unknown	7%
Female	59%
Male	41%

RESULTS

Imagine Learning examined Imagine Edgenuity course usage and performance metrics to measure the impact of program implementation on students' South Carolina EOC examination scores and found that, overall (i.e., combining across subjects), Imagine Edgenuity course grade, usage time (hours), and course unit test scores all were positively associated with South Carolina EOC examination score (Figure 1), and these trends were largely true for individual subjects as well (note that only statistically significant associations or associations approaching significance are shown, $p < .10$). When examining results for those students who were considered behind grade level, course usage time was the strongest predictor for success, indicating the importance of time in program for student success (not shown).

In conclusion, Imagine Edgenuity course grades and course unit test scores were highly aligned with South Carolina EOC examination performance. Additionally, this study provides evidence that implementation of Imagine Edgenuity is associated with South Carolina EOC exam success and that there are metrics within the product that, when monitored, can increase educator confidence in students' success when approaching testing season.

Figure 1. Imagine Edgenuity course usage metrics correlated with South Carolina end-of-course examination score.

