

Imagine Edgenuity® Students in Grades 7–9 Outperform their Peers on the NWEA MAP Growth Reading® and Math® Tests

Overview

During the 2020–2021 academic year, White County Schools implemented Imagine Edgenuity English Language Arts and Math courses with students in Grades 7–9. On average, students used Imagine Edgenuity ELA courses for 45 hours and 96% of students completed their course. In math, students used the course an average of 36 hours and 62% of students completed their course. To measure the impact of Imagine Edgenuity on reading and math skills, Imagine Learning analyzed NWEA MAP Growth Reading data from 26 Imagine Edgenuity students and 26 nonparticipating peers, as well as NWEA MAP Growth Math data from 45 Imagine Edgenuity students and 45 nonparticipating peers.¹

White County Schools Demographics

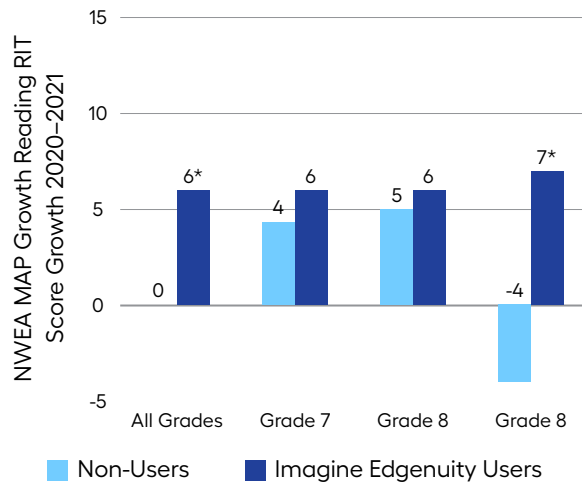
Demographics	Reading Sample (N = 52)	Math Sample (N = 90)
White	90.4%	91.1%
American Indian/Alaska Native	1.9%	1.1%
Asian	1.9%	0.0%
Black/African American	0.0%	3.3%
Hispanic/Latinx	1.9%	1.1%
Other/Ethnicity Not Specified	3.8%	3.3%
Female	50.0%	50.0%
Virtual Students	61.5%	61.5%
Non-Virtual Students	38.5%	38.5%
Grade 7	26.9%	13.3%
Grade 8	26.9%	15.6%
Grade 9	46.2%	71.1%

Results

From Fall 2020 to Spring 2021, Imagine Edgenuity students exhibited significantly greater gains than their nonparticipating peers on the NWEA MAP Growth Reading test (Figure 1). Notably, the performance of Edgenuity ninth-grade students improved by seven Rasch Unit (RIT) score points on the NWEA MAP Growth Reading test, while their nonparticipating peers declined by four. Additionally, 65% of Imagine Edgenuity users met expected growth on NWEA MAP Growth Reading, compared to 42% of non-users. When examining performance on the NWEA MAP Growth Math test, similar trends emerged. Imagine Edgenuity students demonstrated significantly greater growth than their peers (Figure 2). Further, 64% of Imagine Edgenuity users exceeded expected growth on NWEA MAP Growth Math, compared to 38% of non-users.

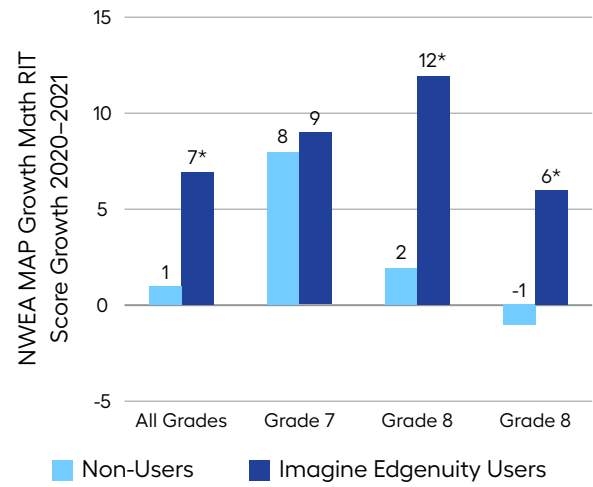
¹ Groups were equivalent at baseline on grade, Fall 2020 NWEA MAP Growth Reading RIT Score, race/ethnicity, and gender ($p = .87$). Groups were equivalent at baseline on grade, Fall 2020 NWEA MAP Growth Math RIT Score, race/ethnicity, and gender ($p = .81$).

Figure 1. Change in NWEA MAP Growth Reading Scores, 2020–2021 White County Schools Imagine Edgenuity users and non-users, Grades 7–9 (N = 52)



Note: * $p < .05$

Figure 2. Change in NWEA MAP Growth Math Scores, 2020–2021 White County Schools Imagine Edgenuity users and non-users, Grades 7–9 (N = 90)



Note: * $p < .05$