

Reading Eggs Usage Drives Higher End-of-Year Reading Achievement in South Carolina



Executive Summary

During the 2021-2022 school year, a comprehensive investigation involving 10 elementary schools in a South Carolina district was undertaken to explore the potential impact of Reading Eggs on student learning outcomes.

The study, conducted by LearnPlatform, a reputable third-party edtech research company, highlights a significant correlation between Reading Eggs usage and academic achievement among elementary school students.

Two key measures were employed:

1. Reading Eggs Usage
2. NWEA MAP® Reading Scores

The study revealed that Students in Kindergarten to Grade 2 who engaged extensively with Reading Eggs, completing between 51–121 total lessons (high use), demonstrated notably superior NWEA MAP® achievement compared to students who completed between 0–50 lessons (low to moderate use).

Furthermore, the study found that Kindergarten and Grade 1 students who completed more Reading Eggs lessons exhibited statistically significant higher end-of-year reading achievement.

Study Sample

- 10 elementary schools in a South Carolina district
- 2021-2022 school year
- 1,756 students

Inclusion Requirements

- Students in Kindergarten to Grade 2
- Students who completed the NWEA Map Growth Assessment

Usage Groups

- Students who completed 0-50 lessons (low usage)
- Students who completed 51-121 lessons (high usage – recommended)

Measurement of Success

- Reading Eggs Usage
- NWEA MAP® Reading Scores



An engaging, multi-faceted online literacy program

Reading Eggs, a program by 3P Learning, offers an online literacy curriculum catering to students from Pre-K to Grade 5.

It encompasses a vast array of ready-made and self-paced lessons, activities and resources, to meet the diverse literacy needs of students.

Reading Eggs stands out for its engaging and interactive approach to learning.

Employing games, songs, and rewards, the program effectively maintains student engagement and motivation and its research-based curriculum is tailored to align with individual learning needs.

Research methodology: An insight into student success

To gauge the impact of Reading Eggs on student literacy success, researchers conducted a thorough examination of the program's usage from fall 2021 to spring 2022.

Using linear regressions, the researchers delved into the relationship between the use of Reading Eggs and student reading achievement over the specified time period.

Furthermore, standardized effect sizes were calculated to discern the variations in changes in student achievement.

Unveiling the correlation between Reading Eggs engagement and NWEA MAP® reading achievement

During the implementation phase, the research aimed to unravel critical insights, focusing on two key questions:

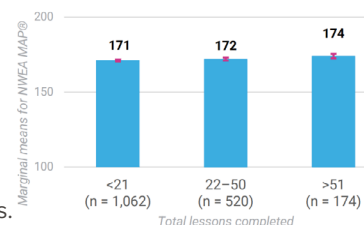
1. Quantifying Reading Eggs engagement:

- How many Reading Eggs lessons were completed by students throughout the 2021–2022 school year?
- What were the prevalent usage patterns among those users?

2. Examining usage patterns and effectiveness:

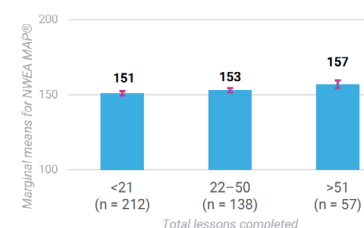
- To what extent did specific usage patterns influence students' spring 2022 reading achievement?
- Which usage patterns emerged as the most impactful in terms of driving positive outcomes?

Upon thorough analysis, it became evident that the volume of completed Reading Eggs lessons directly correlated with students' NWEA MAP® reading achievement scores.



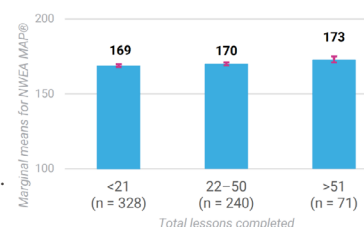
Specifically, students who completed between 51-121 lessons exhibited a noteworthy increase in their end-of-year **NWEA MAP®** score, compared to their counterparts who completed 0-50 lessons.

When examining the results specifically among kindergarten students, the distinction between those with high and low usage of Reading Eggs becomes more pronounced.



Notably, students with higher usage achieved a score of 157 on the **NWEA MAP®** achievement, compared to students with lower usage who scored 151.

In Grade 1, students with higher usage achieved a score of 173, surpassing and lower usage students who attained a score of 169.



Meeting ESSA Level III standards: A testament to Reading Eggs' efficacy

The rigorous testing conducted has propelled Reading Eggs to meet the stringent ESSA Level III requirements, thus establishing its position as possessing Promising Evidence.

The achieved standards include:

- Correlative design
- Proper design and implementation
- Statistical controls through covariates
- Statistically significant, positive finding



The attainment of ESSA Level III certification serves as a testament to Reading Eggs' impact on enhancing student outcomes and achievement.

Educators and district leaders can rely on this certification, reassured that Reading Eggs is a dependable resource proven to significantly improve students' reading skills.

The engaging, user-friendly program not only ensures academic success but also transforms the learning to read journey into an enjoyable experience for students.