

Classworks Achievement Study 2019

Integrated Assessments Report



August 2019

Classworks Integrated Assessment Report

Classworks is a supplemental, online instructional program that provides English language arts, reading, and mathematics instruction for students based on their assessment data. In addition, Classworks provides on-grade level, standards-based reading and mathematics instruction to support teachers in the classroom. While using Classworks, students engage with individualized lessons. Assessments generated from Classworks measure student growth and progress, and real-time data and reporting provide formative and longitudinal data, helping teachers to make data-driven instructional decisions.

Classworks Assessment Partners

Classworks is proud to partner with high-quality assessment solutions such as NWEA™ MAP Growth®, Scantron® Performance Series®, Renaissance® Star, and more. Classworks analyzes assessment data and generates Individualized Learning Paths for students. Lessons are automatically created for students based on the skills they are ready to learn. The ability to integrate assessment data into the Classworks program and provide customized instruction means students are spending less time testing and more time on meaningful instruction to increase proficiency and achievement.

The Study

Classworks has proven to have a positive impact on student performance and growth, as evidenced by data studies involving multiple assessment solutions (see additional efficacy research). Classworks' goal is an ongoing portfolio of evidence showing efficacy across a variety of student populations. Therefore, after the close of the 2018 - 2019 school year, an analysis was conducted to measure the impact of Classworks instruction on student growth across the three largest assessment partners. The study analyzed students' achievement, from fall to spring, on NWEA MAP Growth, Scantron Performance Series, and Renaissance Star assessments. To measure achievement, we compare the growth experienced by Classworks students against the assessment growth norms and the growth experienced by students without exposure to Classworks instruction.

The Results

Across each partner assessment, Classworks users exceeded the growth of non-users in every subject and grade.

Scantron

On Scantron math assessments, students who used Classworks instruction averaged 15% more growth than students without Classworks instruction. In reading, Classworks students averaged 14% more growth.

NWEA

On NWEA math assessments, Classworks students averaged 21% more growth than students without Classworks instruction. In reading, Classworks students averaged 17% more growth.

Renaissance

On Star math assessments, Classworks students averaged 24% more growth than students without Classworks instruction. In reading, Classworks students averaged 30% more growth.

Classworks Treatment Group

For the purposes of these analyses, Classworks users include any students meeting the following criteria:

- ✓ Completed a partner assessment during the fall and spring testing windows;
- ✓ Attained above a 79% average individualized learning assignment score¹;
- ✓ Completed a minimum of 10 Classworks individualized learning skills.

Creating thresholds for mastery and coursework allows us to control for students who have met the minimum standards of engagement recommended by Classworks. The guidance provided to districts and schools reflects these thresholds (and exceeds them in many cases).

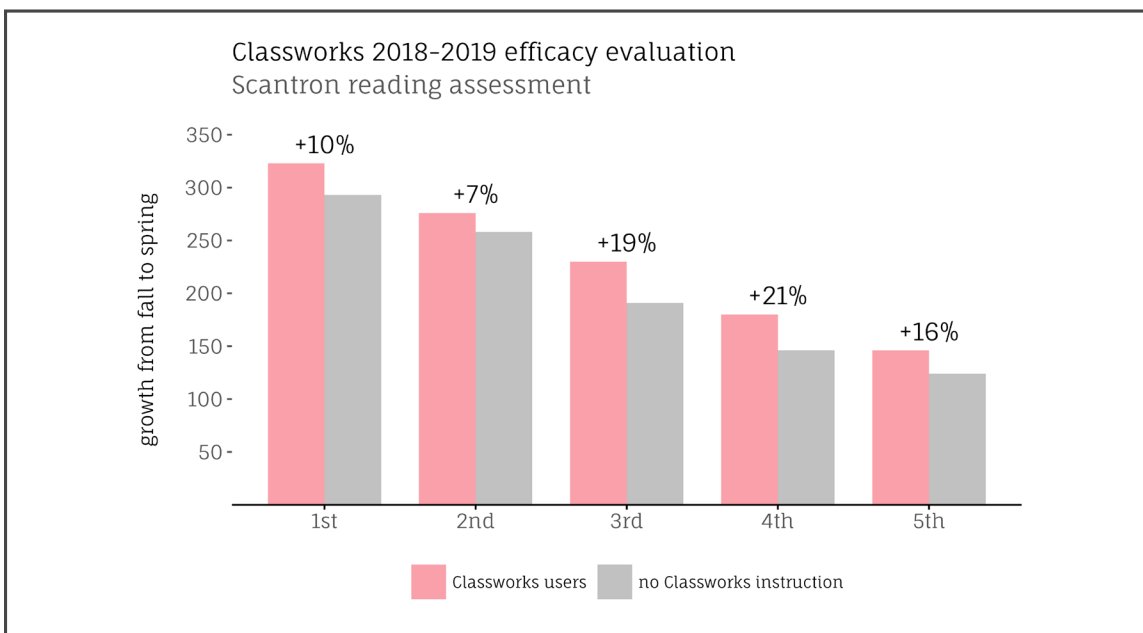
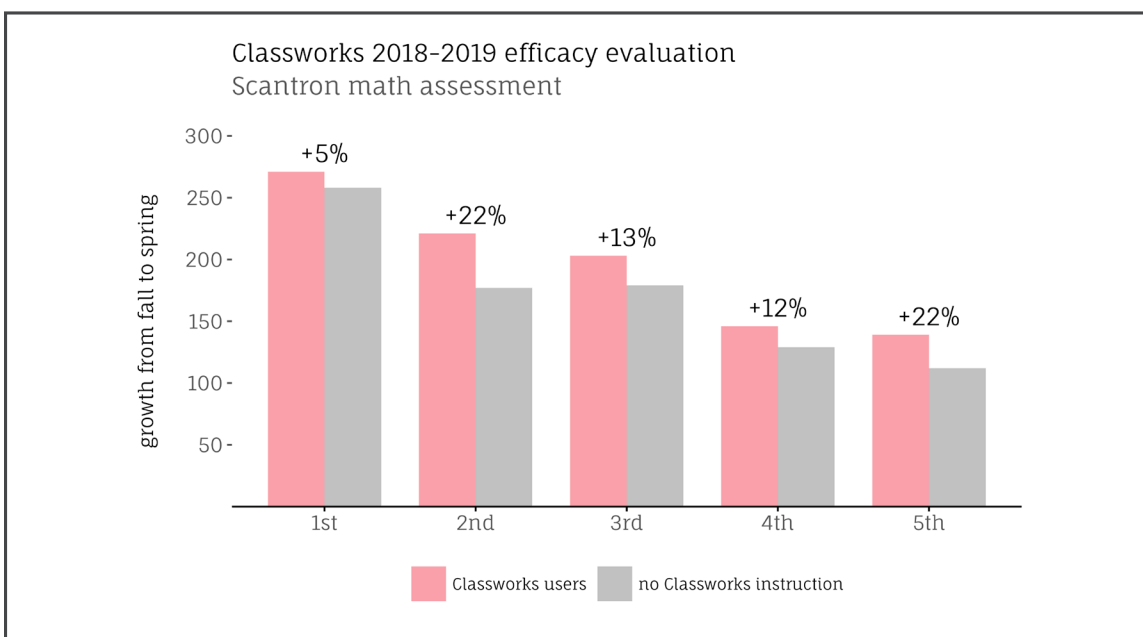
¹Individualized learning assignment scores are small quizzes taken at the end of each Classworks unit meant to assess a student's mastery over the unit concepts, we recommend all students who score below an 80 be reassigned that unit until student mastery is demonstrated.

Control Group

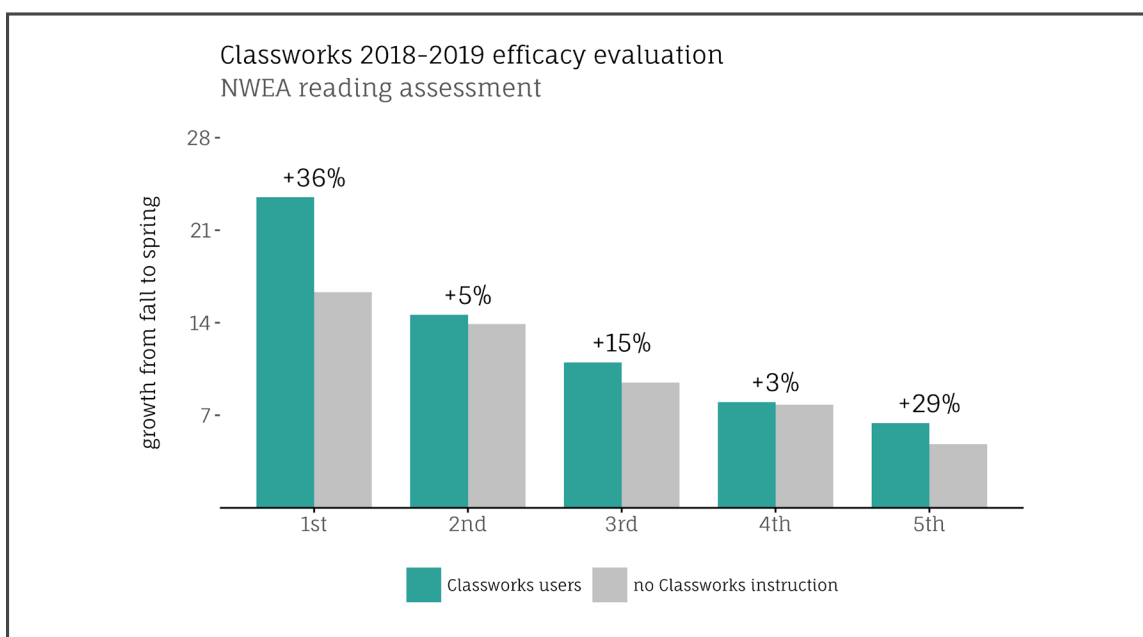
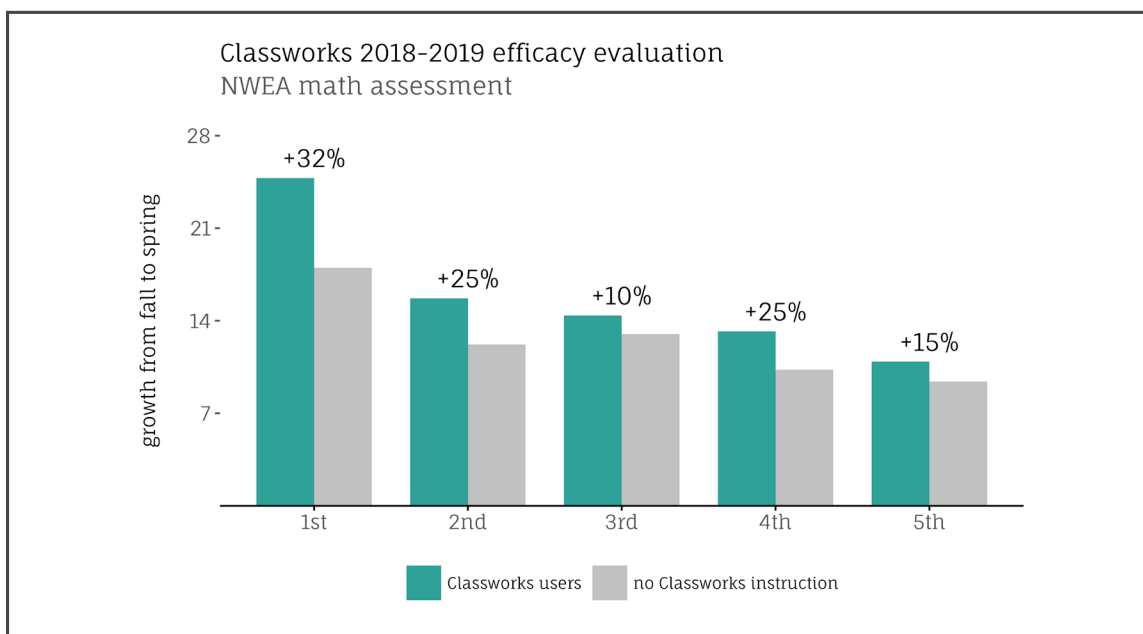
For the purposes of this analysis, students with no Classworks instruction include any students meeting the following criteria:

- ✓ Completed a partner assessment during the fall and spring testing windows
- ✓ Had zero Classworks instruction

The Data: Scantron

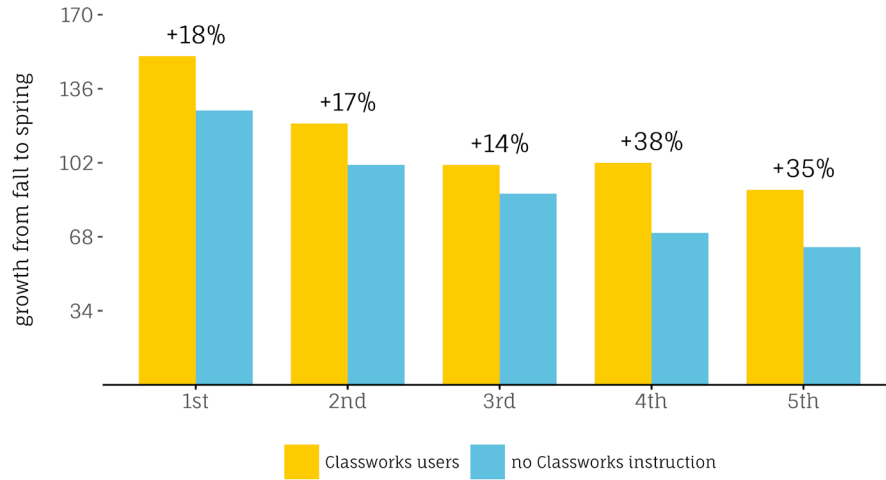


The Data: NWEA

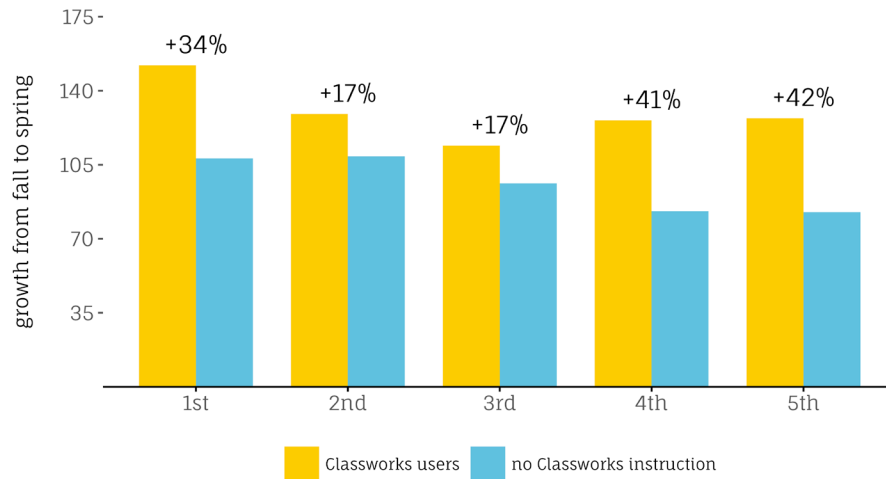


The Data: Renaissance

Classworks 2018-2019 efficacy evaluation
Renaissance Star math assessment



Classworks 2018-2019 efficacy evaluation
Renaissance Star reading assessment



Classworks Users and Growth Norms

The scope of analysis also included Classworks users' performance against norms, in addition to comparing students who used Classworks with students who are enrolled in Classworks but did not use the program. For purposes of this study, Classworks users were analyzed against the fall to spring growth norms for 50th percentile students.

Scantron

On Scantron math assessments, students who used Classworks instruction exceeded Scantron's national growth norms by an average of 19%. In reading, Classworks students exceeded the norms by an average of 13%.

NWEA

On NWEA math assessments, students who used Classworks instruction exceeded NWEA's national growth norms by an average of 13%. In reading, Classworks students exceeded the norms by an average of 10%.

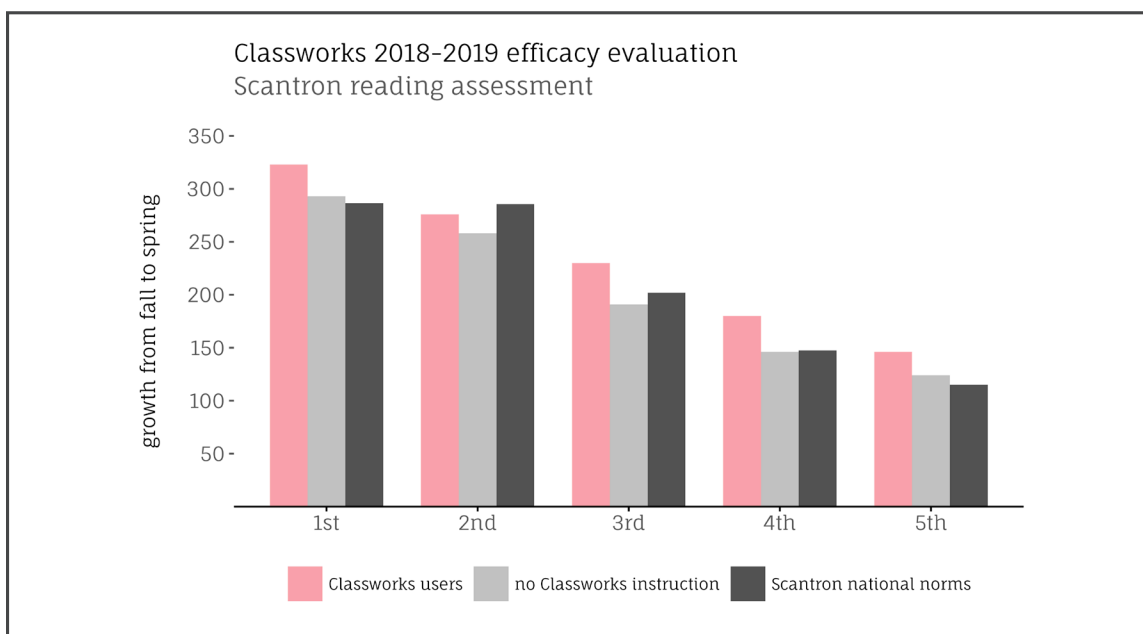
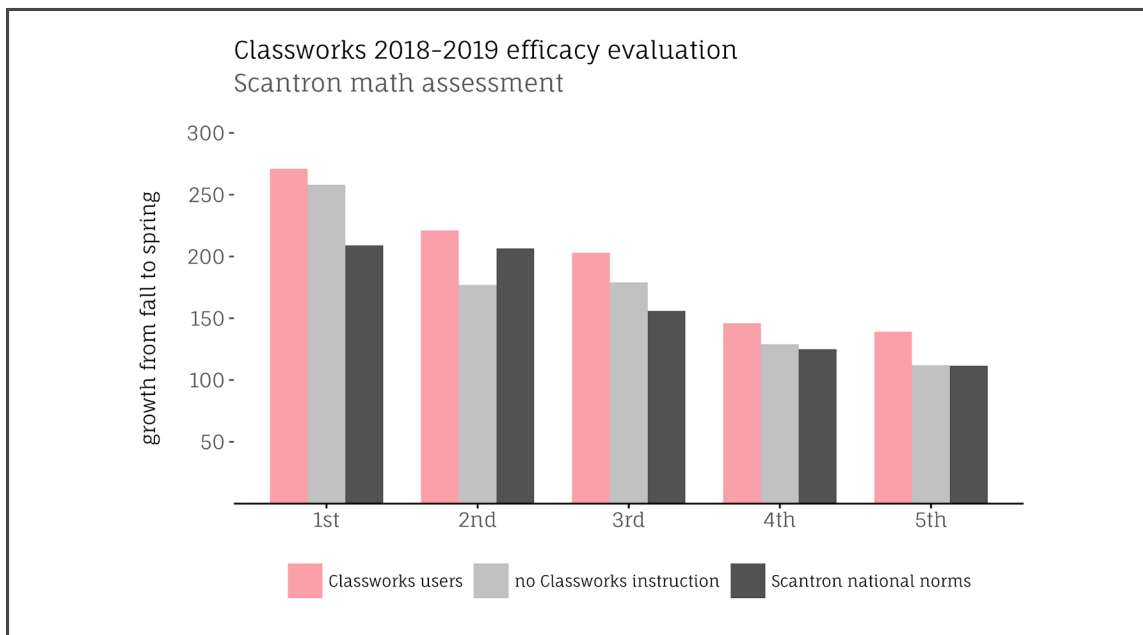
Renaissance

On Star math assessments, students who used Classworks instruction exceeded Star's national growth norms by an average of 27%. In reading, Classworks students exceeded the norms by an average of 48%.

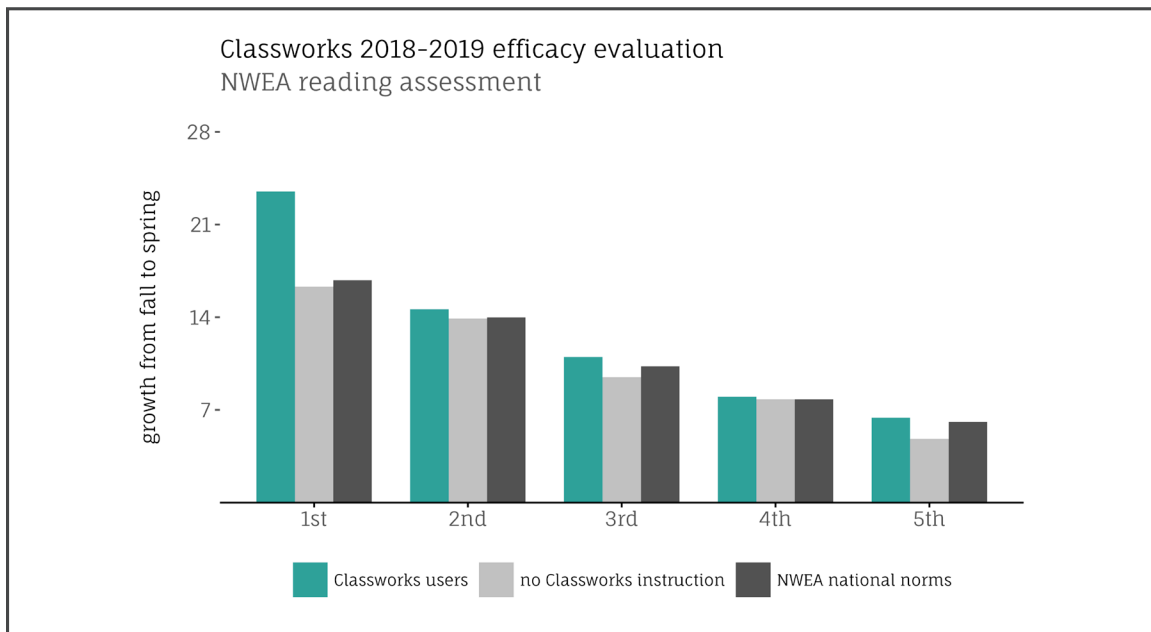
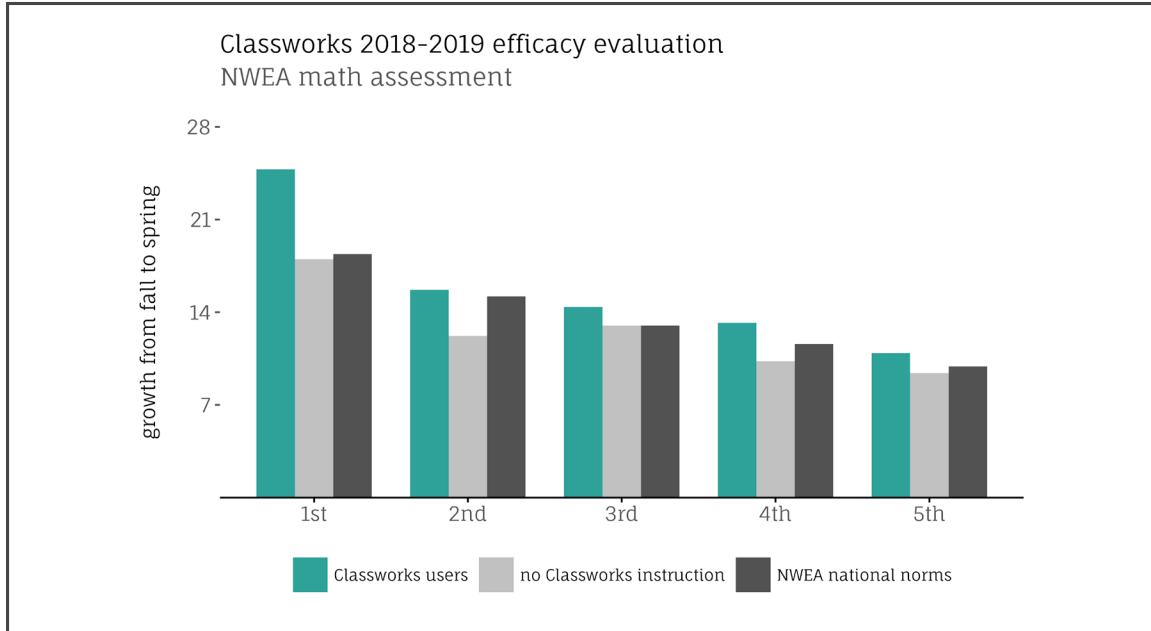
What are Growth Norms?

Growth norms are typically calculated using representative national growth averages across grade, subject, and percentile. They represent a normal growth trajectory for the average student. Scantron, NWEA, and Renaissance have slightly different methodologies for calculating growth norms. Scantron provides growth targets which reflect the average growth achieved nationally by students who performed similarly on the fall assessment. NWEA calculates norms from large, representative samples of student assessment data. Renaissance provides benchmark scores for each grade, subject and percentile.

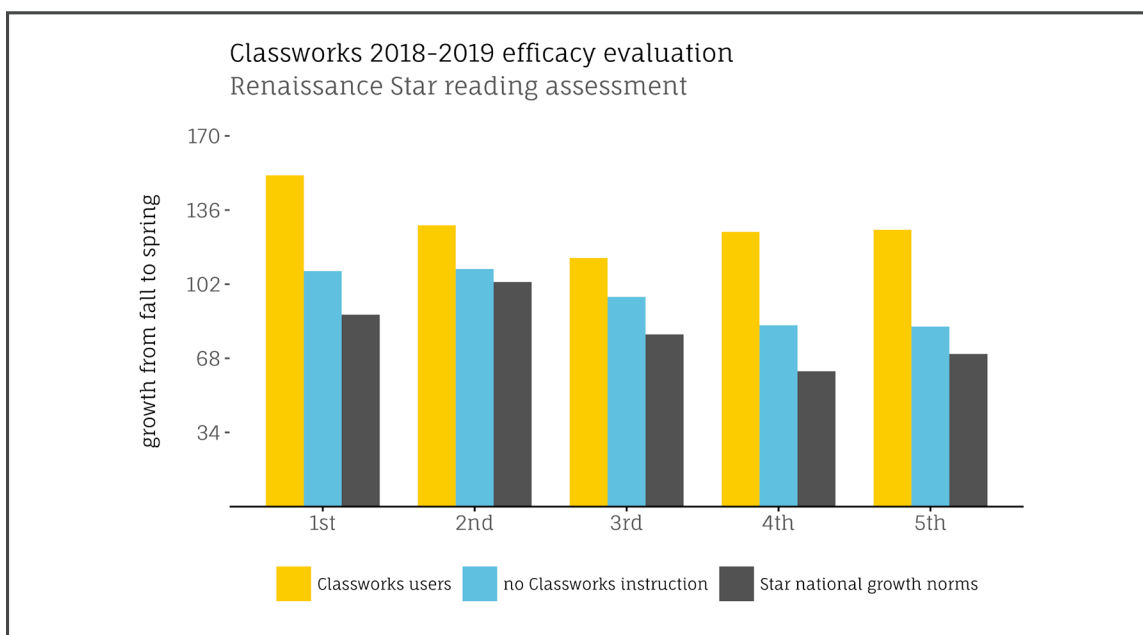
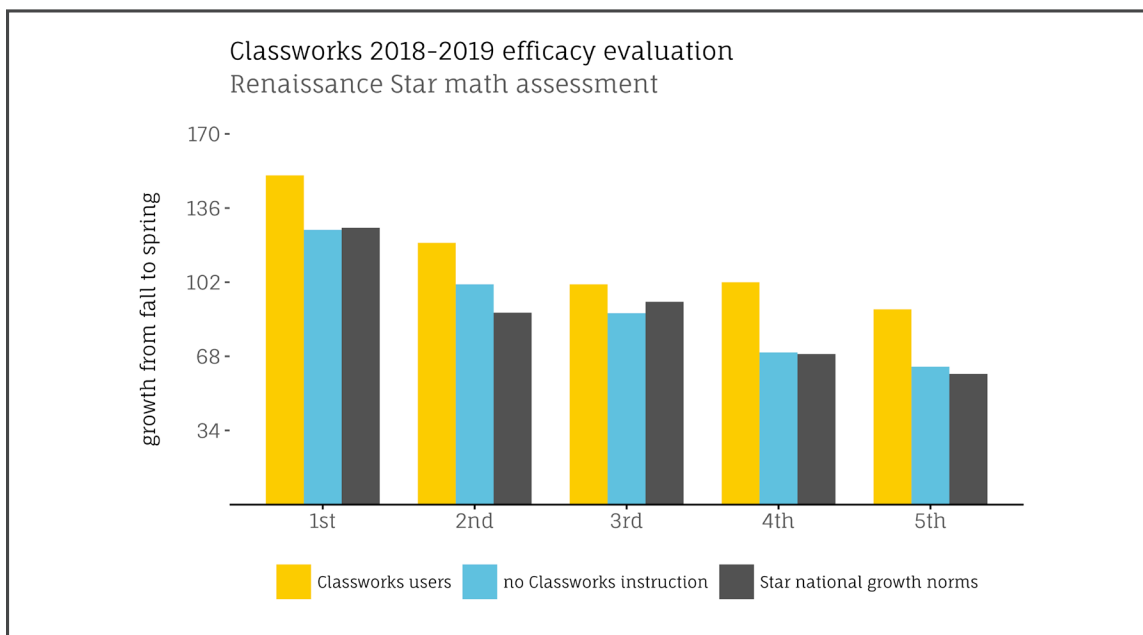
The Growth Norms Data: Scantron



The Growth Norms Data: NWEA



The Growth Norms Data: Renaissance



Classworks Works!

Classworks students exceeded the national growth norms across grade levels, subjects, and partner assessments!²

- ✓ Classworks students exceeded Renaissance Star growth norms by an average of 48% in reading and 27% in math. And, they outperformed their peers by an average of 30% in reading and 24% in math.
- ✓ Classworks students exceeded NWEA MAP Growth norms by an average of 10% in reading and 13% in math. They outperformed their peers by an average of 17% in reading and 27% in math.
- ✓ Finally, Classwork students exceeded Scantron Performance Series growth norms by an average of 13% in reading and 19% in math. In addition, they outperformed their peers by an average of 14% in reading and 15% in math.

It is meaningful to analyze the impact of instructional software on student growth and performance using a variety of independent, high-quality assessments. The results of these studies show Classworks is having a tremendously positive effect on achievement for students in both reading and math and across multiple grades across the country!

Why it works!

The design of Classworks individualized interventions is research-based. Students receive instruction consisting of the exact skills the assessment identifies as ready to learn or needs addressing. This ensures that each student is working on assignments relevant to their own needs. Students are presented with different instructional approaches and types of interactivity allowing them to encounter multiple ways to learn and practice every skill.

Learn more

To learn more about how Classworks impacts achievement or to find out if Classworks is a fit for your school or district contact help@classworks.com or chat with us at www.classworks.com using the chat icon.

²Classworks users in second grade who took Scantron Performance Series reading assessment did not exceed Scantron national norms. Slightly fewer than half of second graders take the Scantron Reading Foundations assessment, although almost all first graders take it, instead of the Scantron Performance Series Reading assessment. Therefore, this is a transition year for many students and the norms are unusually high due to the below grade level students taking Scantron Reading Foundations.