

Read 180 & System 44 Research

2020-2024

PUBLICATIONS RELEASED

2023 PUBLICATIONS

- **Read 180 Charles Armstrong School Study (2019-2022)**
Students with dyslexia at the Charles Armstrong School achieving at least a **proficient** Reading Inventory performance level increased from 16% to 33% in the 2019-2020 school year, from 46% to 54% in the 2020-2021 school year, and from 12% to 50% in the 2021-2022 school year, thereby significantly increasing students reading at or above grade-level proficiency.
<https://www.hmhco.com/research/read-180-charles-armstrong-school-longitudinal-research-study-2019-2022>
- **System 44 Charles Armstrong School Study (2018-2022) – PDF**
In the 2021-2022 school year, 62% of students met or exceeded average Reading Inventory growth, with 37% of students increasing one grade level, 19% of students increasing two grade levels, and 14% of students increasing three or more grade levels in reading proficiency.
- **Read 180 Southwest Local School District**
During the 2021-2022 school year, Read 180 students demonstrated statistically significantly greater than national average growth on the MAP Reading assessment, achieving 3.2 times more growth than average.
<https://www.hmhco.com/research/read-180-southwest-local-school-district>

2022 PUBLICATIONS

- **Read 180 Jamestown Study**
Two Read 180 classrooms showed statistically significant increases in their Renaissance Star Reading scores across 2020-21 academic year. Both educators and parents reported that their students improved in their reading ability and expressed positive feedback with the program.
<https://www.hmhco.com/research/read-180-jamestown-elementary-school>
- **Read 180: Promising Evidence During the Pandemic**
This randomized controlled trial study illustrated how Read 180 was implemented and impacted by school closures due to COVID-19 during the 2019-2020 school year. A mixed-methods approach used for the study provides details about professional development, educators' perceptions of the program, and the Read 180 implementation in both in-person and virtual settings. Positive relationships between software usage and literacy achievement provides promising evidence of impact. Results from the Reading Inventory showed that Read 180 students showed significantly higher gains than comparison groups without Read 180.
<https://www.hmhco.com/research/read-180-promising-evidence-during-the-pandemic>

- **Read 180 Student Success Story [Jaleah]**
Fifth-grade student goes from struggling to read the directions on her homework to becoming a fluent reader with an increase of 321 Lexiles in just two years. She became the Read 180 teacher's assistant helping other Read 180 students become better readers.
<https://www.hmhco.com/research/fifth-grade-student-goes-from-struggle-to-success-through-read-180>
- **Read 180 Teacher Success Story [Ms. Mannarelli] – PDF and video**
A veteran Read 180 teacher provides effective strategies on how she makes her Read 180 classroom successful for all her students.
<https://hnhco.highspot.com/items/63595366b94ccf0e910396f0?lfrm=shp.0>

2021 PUBLICATIONS

- **Read 180/System 44 Student Success Story [Lilly]**
Student with dyslexia reaches grade-level proficiency through System 44 and Read 180.
<https://www.hmhco.com/research/student-with-dyslexia-reaches-grade-level-proficiency-through-system-44-and-read-180>
- **Read 180 Rochester East High School Study**
Students who had high usage of Read 180 at East High School during the 2017-19 school years demonstrated Lexile gains that were equivalent to two years of academic growth during a single academic year.
<https://www.hmhco.com/research/read-180-east-high-school-study-20172019>
- **[External Research] Read 180 Larson et al. Study (2021)**
Challenging the Autonomous Wall: Literacy Work in an Urban High School:
This study highlights research at one urban high school under threat of state closure, which developed a multifaceted literacy program using Read 180 to transform the teaching and learning of literacy in a novel university/school partnership.
<https://www.hmhco.com/research/challenging-the-autonomous-wall-literacy-work-in-an-urban-high-school>
- **System 44 Armstrong Study**
After one year of instruction during the 2018-19 school year, students with dyslexia in Grades 3 to 7 at the Charles Armstrong School demonstrated statistically significant increases on multiple measures including oral reading fluency and foundational reading skills.
<https://www.hmhco.com/research/system-44-charles-armstrong-school>
- **Read 180 Armstrong Research Study**
Students with dyslexia demonstrated accelerated reading growth after one semester of Read 180 during the 2019-20 school year and gained two times as many Lexile scores as an initially same-scoring national sample.
<https://www.hmhco.com/research/read-180-universal-charles-armstrong-school>

2020 PUBLICATIONS

- **Read 180/System 44 Elmira City Research Study**
Students enrolled in the Read 180 and System 44 programs in Elmira City School District made significant gains in their Lexile scores across both years of implementation in the 2017-19 school years. The students who completed more sessions and completed more segments in the software demonstrated significant Lexile gains over those students who used the software for fewer sessions and completed less topics.
<https://www.hmhco.com/research/read-180-and-system-44-elmira-city-school-district-research-results-20172019>
- **System 44 Neurocognitive Study**
Researchers from the Neurocognition of Language Lab at Teachers College, Columbia University, conducted a pretest-posttest intervention study with System 44 students over the 2018-2019 academic year using high-density electroencephalography (EEG) and investigated shifts in neural responses to specific stimuli (real words, nonwords, and strings of symbols) in students with and without reading disabilities.
<https://www.hmhco.com/research/system-44-neurocognitive-intervention-study>
- **Read 180 Muhlenberg Research Study**
The findings from this study demonstrate that high school students from two classrooms who engaged in a software-only implementation of Read 180 demonstrated significant reading growth. 80% of the high school students exceeded average growth, experiencing almost two times the typical growth rate.
<https://www.hmhco.com/research/read-180-muhlenberg-county-school-district>
- **[External Research] Read 180 Houchin et al. Study (2018)**
The Efficacy of a Literacy Intervention for Incarcerated Adolescents
A randomized controlled trial experimental design with repeated measures was used to compare the Read 180 program to a business-as-usual literacy control condition that used a literacy program with computer instruction. Growth curve analyses revealed that students who received Read 180 made significantly greater gains than the control group on standardized measures of reading comprehension (WJ III® Passage Comprehension), receptive vocabulary (PPVT-4), and on curriculum-based measures of comprehension (AIMSWeb® Maze Comprehension). This study, therefore, demonstrated that Read 180 is an effective program to increase the reading ability of incarcerated youth.
<https://www.hmhco.com/research/read-180-the-efficacy-of-a-literacy-intervention-for-incarcerated-adolescents>
- **[External Research] Read 180 Proctor et al. Study (2014)**
How Engagement and Motivation Predict Reading Comprehension in Read 180 Students with Disabilities (3 schools in an urban northeastern U.S. district)
Proctor and colleagues (2014) examined the effectiveness of the Read 180 literacy intervention program for middle school students with learning disabilities. Results from the analyses showed that the motivation construct of self-efficacy emerged as a significant predictor of reading comprehension, controlling for time spent in Read 180 and the formative vocabulary and comprehension performance.
<https://www.hmhco.com/research/how-engagement-and-motivation-predict-reading-comprehension-in-read-180-students-with-disabilities>

2024 RESEARCH FORTHCOMING

Efficacy Studies In Flight

- Read 180 Miami-Dade 2022-23 study
- Read 180 Tuscaloosa 2022-23 study
- Read 180 Cache County 2022-23 study (Flex)
- Read 180 Putnam Academy 2022-23 study
- Read 180 Charles Armstrong 2022-23 study
- System 44 Charles Armstrong 2022-23 study

For more information on *Read 180* research, please visit: hnhco.com/read180research