



CASE STUDY

North Kansas City Students Master Key Concepts With *Everyday Mathematics*®

ABOUT THE DISTRICT

Name

North Kansas City
Elementary Schools

Location

North Kansas City,
Missouri

Grades

PreK–6



Overview

North Kansas City School District is among the largest districts in the Kansas City metro area. It serves nearly 19,500 students in thirty schools, twenty-one of which are elementary schools. The sizeable district has a diverse student population, and many of its students are English language learners. Just under half qualify for the Free and Reduced Lunch program.

60%

CAUCASIAN

14%

AFRICAN
AMERICAN

14%

HISPANIC

14%

ELL
(GRADES 3–5)

48%

FREE OR
REDUCED LUNCH

TOTAL ENROLLMENT: 19,397

Students in North Kansas City Schools benefit from an academically rigorous curriculum and a commitment to innovation in education. Roughly 94% of the district’s students graduate high school, thanks to a focus on providing high quality instruction. One of the programs the district uses to give its elementary students a strong start is *Everyday Mathematics*.

Everyday Mathematics was developed by The University of Chicago’s School Mathematics Project and was designed to continually reinforce abstract math concepts through concrete real-world applications. The program uses a research-proven method called spiraling that ensures students revisit content in a variety of contexts over time, helping them achieve life-long mastery of concepts and skills.

Implementation

When it was time for the North Kansas City School District to adopt a mathematics resource for its elementary students, select teachers were asked to evaluate the options. *Everyday Mathematics* from McGraw-Hill Education rose to the top and was officially implemented in all elementary schools across the district in the fall of 2015.

“We reviewed all the research on what good math instruction looks like and found that *Everyday Mathematics* was clearly the right choice for our teachers and students,”

Chad Sutton,
Assistant to the Superintendent

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Mathematics was clearly the right choice for our teachers and students,” says Dr. Chad Sutton, who is the Assistant to the Superintendent for PreK–8.

Everyday Mathematics gives teachers confidence that their students will master state standards for each grade, because they can see how content develops across lessons and can pinpoint each student’s mastery level for standards at any time.

“The district held a teacher-led demonstration program for *Everyday Mathematics* that showed teachers doing their very best work using the program,” recalls Instruction Coordinator, Dr. Todd Hinnenkamp. “Their enthusiasm permeated the implementation process.”

Student Engagement

Everyday Mathematics offers students a range of tools, including games and explorations that continually reinforce math concepts. Through the online Student Learning Center, students can get extra practice by playing online games and parents can access math-centered activities that can be completed at home, so content learned in class is constantly revisited outside the classroom.

Teacher Resources

Everyday Mathematics makes it possible for teachers to see students’ work and track their progress toward mastery of concepts using the online evaluation and reporting tools. This information can be used to identify students who might need extra help as well as those that might be ready for a challenge.

Sutton says that the district does not mandate how teachers should use *Everyday Mathematics* on a page-by-page or day-by-day basis, because it wants teachers to use the program as a resource for truly meeting the needs of each student.

Everyday Mathematics is grounded in an extensive body of research into how children learn, and it provides a solid mathematical foundation for students of all levels.

Results

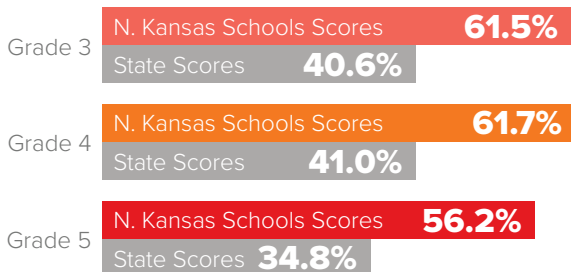
North Kansas elementary schools have seen a significant increase in math scores since implementing *Everyday Mathematics*. Quantitatively, Sutton says every demographic group has improved its mathematics achievement levels as measured by Missouri achievement standards.

“The results that we’ve seen in our achievement scores are really strong. Every group within our demographics is reaping the benefits.”

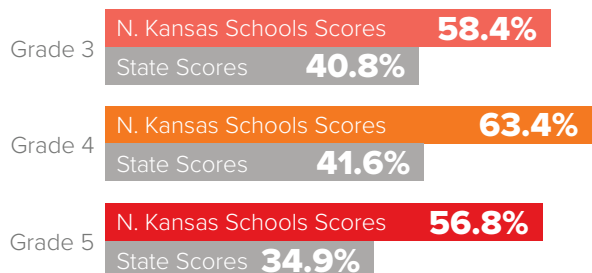
Chad Sutton

“The results that we’ve seen in our achievement scores are really strong,” Sutton says. “Our English language learners and students in our Free and Reduced Lunch program outperform the state significantly. Every group within our demographics, especially those two groups, is reaping the benefits. We’ve never seen anything like it.”

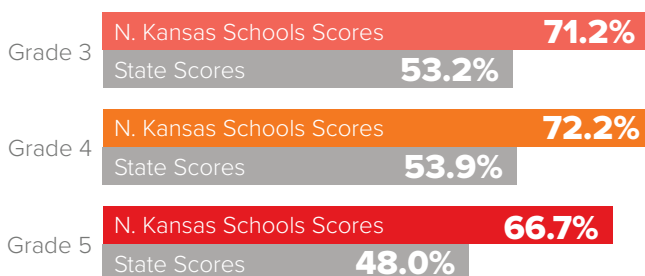
2017 Missouri Assessment Program: Mathematics Percent Proficient and Advanced - Student Qualifying for Free and Reduced Lunch



2017 Missouri Assessment Program: Mathematics Percent Proficient and Advanced - ELL Students



2017 Missouri Assessment Program: Mathematics Percent Proficient and Advanced - All Students



Qualitatively, Hinnenkamp says he hears from middle school math teachers that students coming in from the elementary schools are more prepared.

“Middle school teachers are able to do so much more with sixth-grade classes compared to two years ago,” Hinnenkamp says. “It’s huge that what we’re doing in elementary school impacts what students can do at the middle school.”

About *Everyday Mathematics*

Everyday Mathematics is a comprehensive Pre-K through grade 6 mathematics program grounded in an extensive body of research into how children learn. The program’s signature spiral curriculum uses distributed practice to help students build depth of knowledge and achieve long-term mastery of concepts and skills. Learn more about *Everyday Mathematics* at everydaymath.com