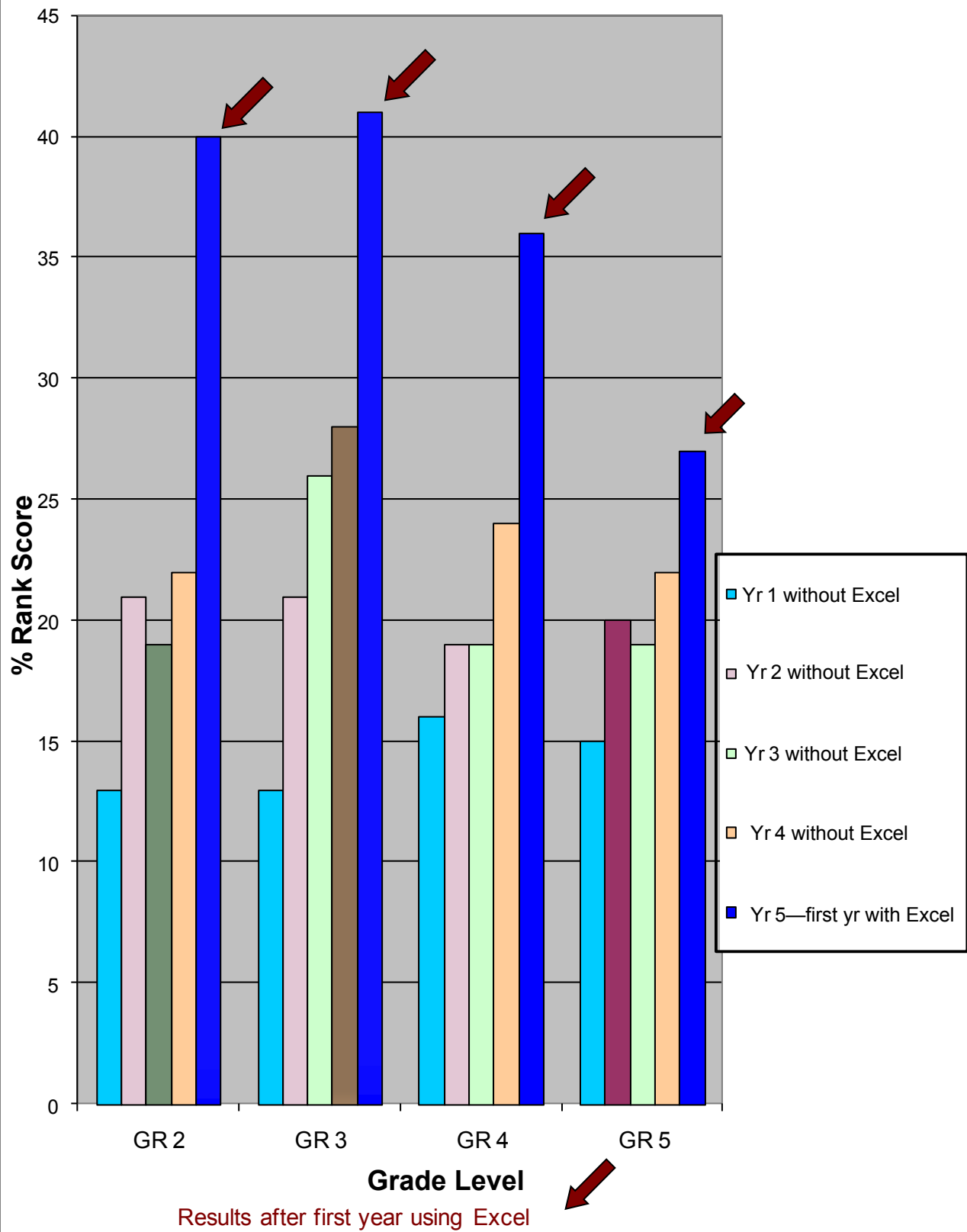


Excel Math

Scientifically Based Research

See how test scores improve!



For over 35 years, Excel Math has significantly improved students' understanding and retention of math concepts. Time and time again, Excel Math demonstrates immediate student growth, as measured by state and national assessments. Students gain confidence and test scores rise!

Principal Laughter wrote to thank us:

"Robbinsville Elementary School was awarded the title *School of Distinction* during the 2011-2012 school year. We were recognized, in large part, as a result of high math scores—96 percent of 4th graders passed the state end of grade exam! Thanks to Excel Math for helping our students succeed in math.

We recently requested training for all staff at Robbinsville Elementary School on best teaching practices and procedures for Excel Math in grades K-6. Although we are located in North Carolina, AnsMar Publishers provided this staff development/training at a very reasonable price and provided an excellent instructor, Mr. Bob Parrish, to present this training.

Robbinsville Elementary School has used Excel Math in previous years with great results (4th grade 96% of students passing state tests) at some grade levels, but this year we adopted Excel Math school wide (K-6). To ensure effective math instruction and consistency across grade levels we requested a one-day training that involved a school wide presentation and breakout sessions for each grade level for follow-up questions or concerns.

We are extremely fortunate to have had Mr. Bob Parrish to provide this training. Mr. Parrish was very informative, approachable, and well prepared using PowerPoint presentations of Excel Math. Mr. Parrish is an extremely competent and engaging presenter and extremely knowledgeable of the needs of math instructors and their students.

Thank you, Mr. Parrish and AnsMar Publishers for enlightening and energizing the staff at Robbinsville Elementary School. I really expect our state math scores to continue to improve using Excel Math and I whole heartedly recommend this math program and Mr. Bob Parrish to all schools seeking excellence in math instruction."

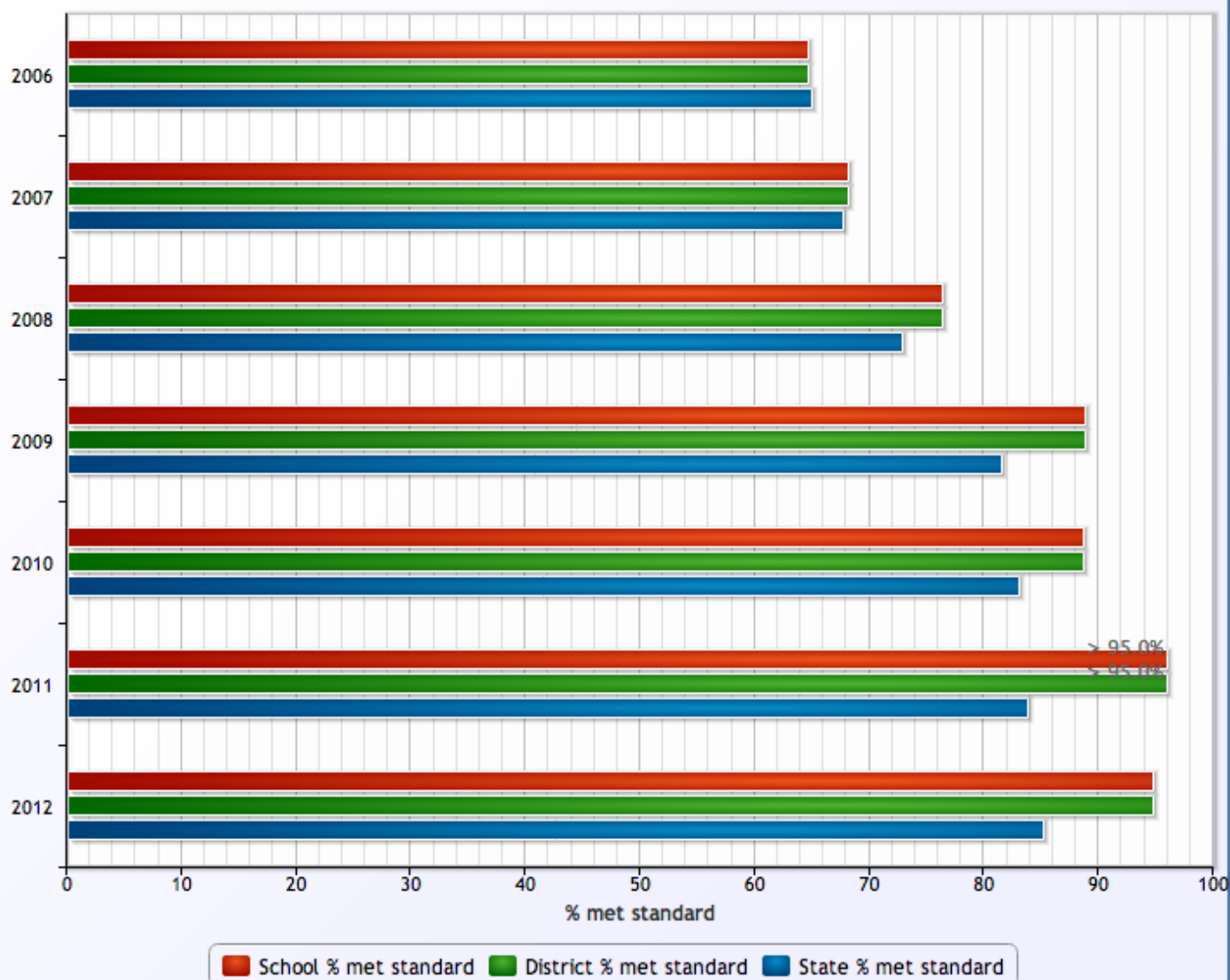
—Shane Laughter, Principal
Robbinsville, NC

Read more glowing reports on our website: www.excelmath.com/about/successes.html

To schedule Professional Development or learn more, contact Bob Parrish: bob@excelmath.com

Robbinsville Elementary

EOG Test Scores for Robbinsville Elementary 4th Grade - Mathematics



©2012 schooldigger.com

[Compare](#)

EOG			Students tested			% met standard		
Test	Year	Grade	School	District	State	School	District	State
Mathematics	2006	4th Grade	n/a	n/a	n/a	64.6	64.6	65
Mathematics	2007	4th Grade	n/a	n/a	n/a	68.2	68.2	67.7
Mathematics	2008	4th Grade	n/a	n/a	n/a	76.4	76.4	72.8
Mathematics	2009	4th Grade	n/a	n/a	n/a	88.8	88.8	81.5
Mathematics	2010	4th Grade	n/a	n/a	n/a	88.7	88.7	83
Mathematics	2011	4th Grade	n/a	n/a	n/a	96	96	83.8
Mathematics	2012	4th Grade	n/a	n/a	n/a	94.8	94.8	85.1

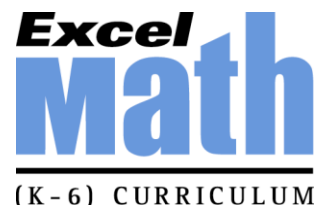
Source: North Carolina Dept of Public Instruction

About North Carolina End-of-Grade (EOG) Tests:

The North Carolina End-of-Grade Tests are designed to measure student performance on the goals, objectives, and grade-level competencies specified in the North Carolina Standard Course of Study.

Source: [North Carolina End-Of-Grade Test](#), North Carolina Dept of Public Instruction

EXCEL MATH SCIENTIFICALLY BASED RESEARCH



The following information has been sent to others across the country who have used it to fund Excel Math under the guidelines of No Child Left Behind (NCLB).

All of this information can be discussed by phone. We can be reached M-F 8:00 am - 4:30 pm (West Coast time) at our toll free number, 1-866-866-7026. When you call during business hours, a human always answers our phone, never a machine. You may order a Sample Packet that includes a video, which further explains our program. Our web site has a large amount of information including correlations to NCTM and many state standards, Scope and Sequences for each grade, Placement Tests, and sample lesson sheets. <http://www.excelmath.com/>

There are many schools in the US that are using Excel Math as the core curriculum, or as a daily supplement to the mandated state adopted curriculum, and they are achieving significant results.

There are two reference books that substantiate the philosophy behind the development of Excel Math. One resource is a study on how the brain works, i.e. how concepts enter into long-term memory:

"Teaching with the Brain in Mind", written by Eric Jensen. Copyright © 1998 by the Association for Supervision and Curriculum Development (ASCD). This book discusses the research and theory of the brain. Our philosophy of spirally introducing and reintroducing concepts, leading to long-term memory knowledge is substantiated by this book's research.

The other is a book titled **"Qualities of Effective Teachers"** by James H. Stronge. ASCD (Association for Supervision and Curriculum Development) publishing, 2002.

"Adding It Up: Helping Children learn Mathematics" a report by the National Research Council in 2001 chose the term *mathematical proficiency* to capture what it means for a student to successfully learn mathematics. Proficiency is sub-categorized into the following five strands:

Conceptual Understanding – an integrated and functional grasp of mathematical ideas.

Procedural Fluency – the ability to perform procedures flexibly, accurately, and efficiently.

Strategic Competence – the ability to formulate mathematical problems, represent them, and solve them.

Adaptive Reasoning – the ability to think logically about the connective nature among concepts.

Productive Disposition – the ability to recognizing sense in mathematics, seeing it as useful and worthwhile.

It is important that the distinction between theories on student learning and the research base proving evidence supporting theories are understood. Research that is conducted by an independent third party including a clinical model with a control group (“experimental” or “quasi-experimental” design) as well as longitudinal research conducted over several years.

Delano Unified School District in California administered an independent study exploring the relationship between elementary students’ math achievement and the use of Excel Math. A classroom of students, chosen from two different schools that were equally balanced with entering math knowledge, were involved to test the differences between Excel Math and another math curriculum. Neither school had used the „Other’ math or Excel Math previously. Students in every grade level, using Excel Math, made statistically significant improvement (greater gains) in math achievement than the control group after one year of use.

Below is a Fall-Spring comparison of Math Growth in 4th Grade using the Woodcock-Johnson Tests of Achievement: The use of 'Other' math vs. Excel Math in Delano Unified School District in California.

	Fall Test		Spring Test			
	'Other'	Excel	'Other'	Increase	Excel	Increase
Calculation	109	109	114	5%	124	14%
Applied	95	97	98	3%	107	10%
Math total	101	103	105	4%	110	7%

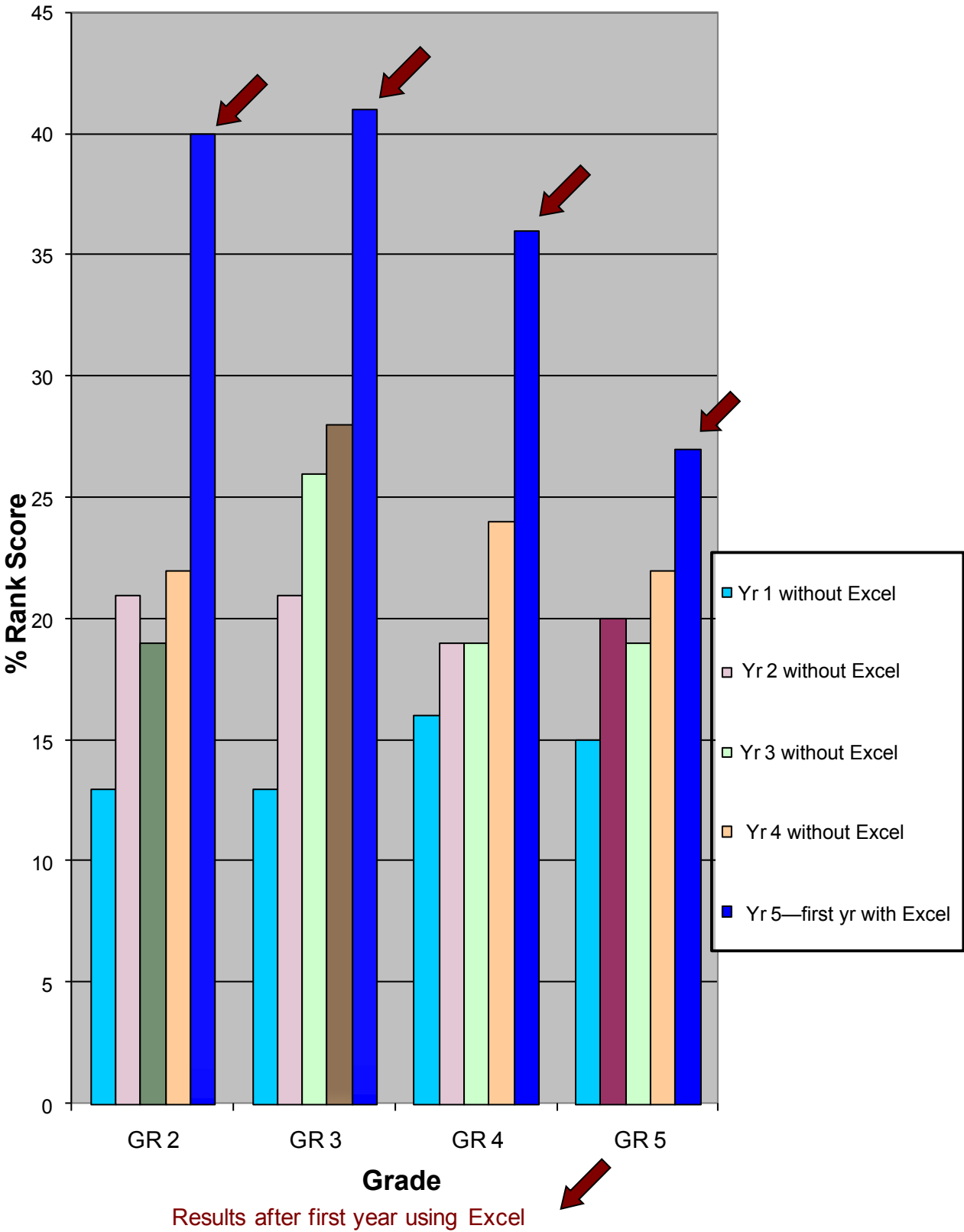
All differences for Excel Math are statistically significant ($P < .01$)

Reported by Bill Matthew, Ph.D.
Director Special Ed., Research & Evaluation
Delano Union School District

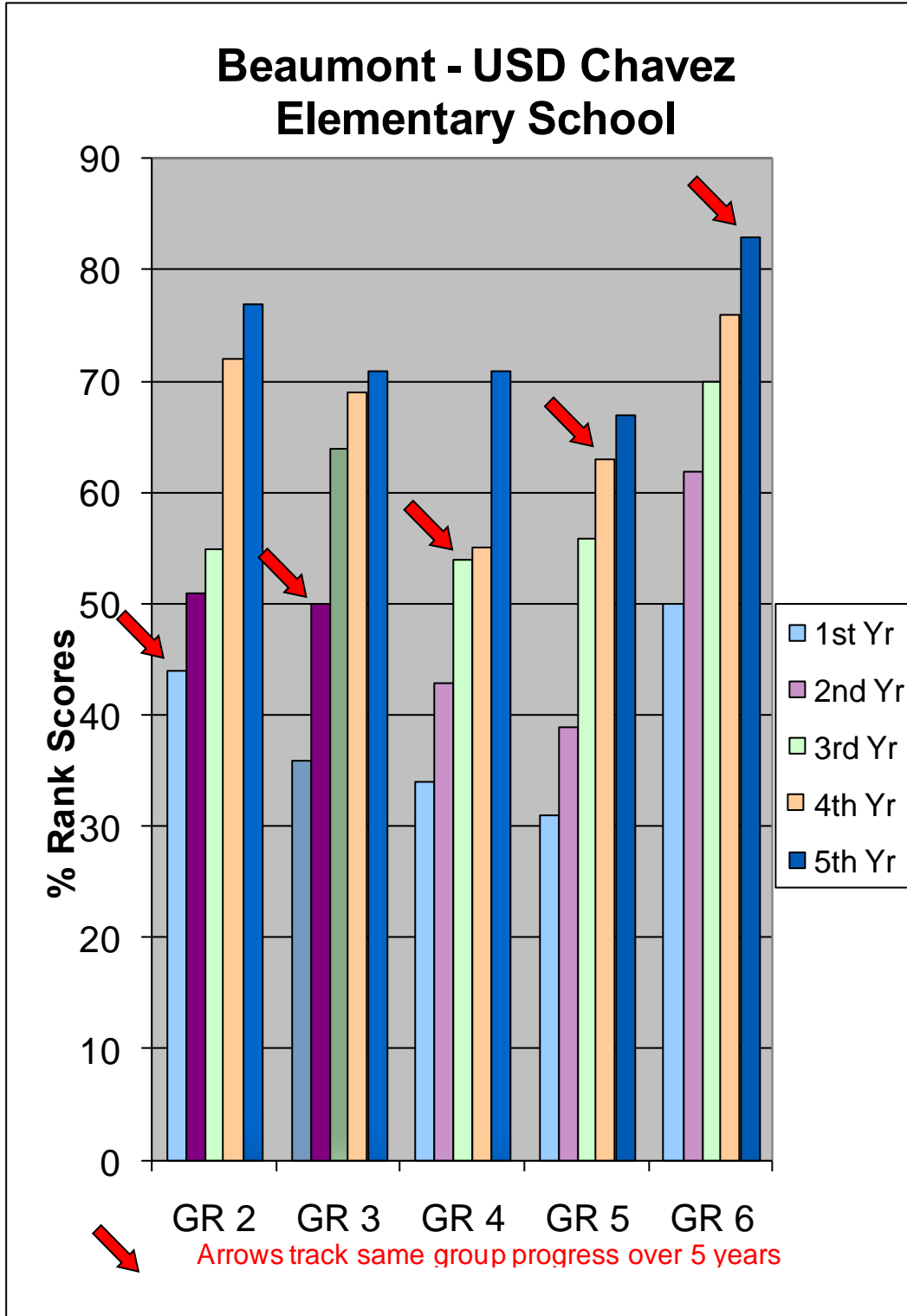
A single study, no matter how rigorous, does not constitute a conclusive body of evidence in support of a particular claim. Research that can be replicated to ensure that results are valid is essential.

The following graph illustrates Los Angeles Unified School District students from Parmelee Elementary. This school is located in one of the poorest neighborhoods in Los Angeles with a large minority population. In a multi-year study, students made dramatic gains in their Standardized Test Percentile ranking in year 5, which was the first year implementation of Excel Math as a supplement to a district mandated core curriculum. This was the only change made in math instruction that year. Second grade classes experienced nearly 100% gains in math scores after one year of using Excel Math.

Standardized Testing Parmelee Elementary School After one year with Excel Math!



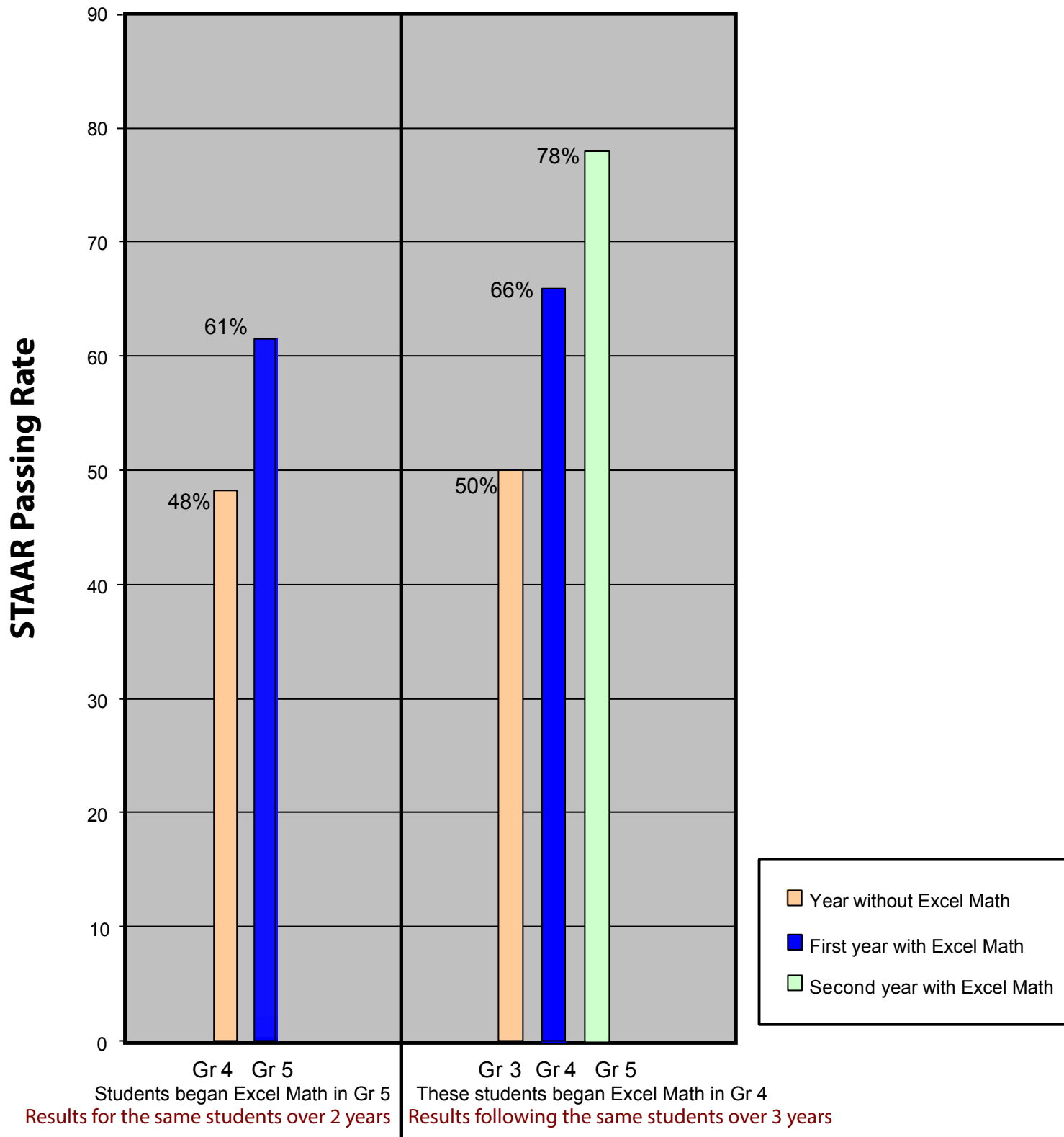
In the same time frame another study was administered at Chavez Elementary, Beaumont Unified School District in Beaumont, California. In this study all students were using Excel Math as a supplement to the district's mandated core curriculum for the entire time period, nine years total. This allows tracking of a cohort group, (tracking a specific group of students as they progress through 5 years of Excel Math) resulting in a cumulative (building) effect in using Excel Math multiple years in multiple grades. Chavez Elementary has a similar social-economic background as Parmelee Elementary with a high minority population.



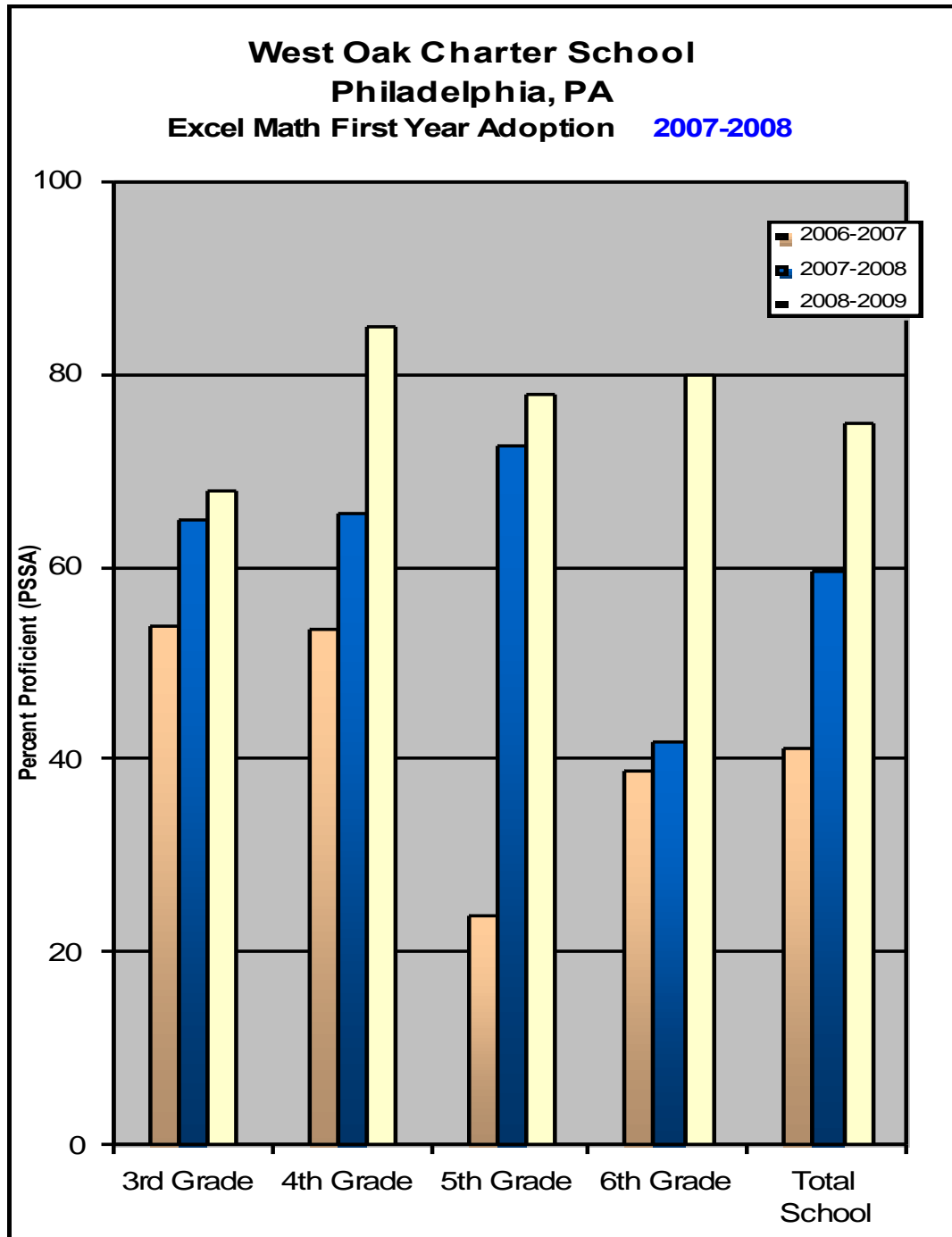
After Jasper ISD used Excel Math for the first time, their 4th Grade passing rate went from 48% to 66% passing the STAAR — a 38% increase!

See how test scores improve as students move up in grades, too!

Results after using Excel Math



In Philadelphia PA West Oak Lane Charter School implemented Excel Math in grades K through 6 in the academic year 2007-2008. They had ended the previous school year with 41.2% of students scoring Proficient or Advanced in PA state test for mathematics. (PSSA Test) They ended the academic year 2007-2008, the first year with Excel Math, with fully 59.7% of students scoring Proficient or Advanced, a 45% increase in proficiency in just one school year. The following school year (2008-2009) 75% of students scored Proficient or Advanced.

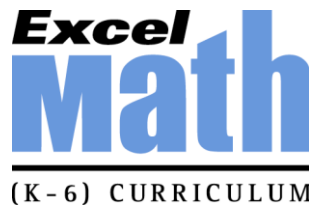


**Effective Programs in Elementary Mathematics: A Best-Evidence
Synthesis Robert E. Slavin & Cynthia Lake, Johns Hopkins, V1.2, Feb. 2007**

Excel Math is a K-6 mathematics curriculum that focuses on problem solving, integrated lessons, and development of thinking skills. Mahoney (1990) evaluated Excel Math in a post-hoc matched study in second and fourth grade classes in six California schools. Students were pre- and post-tested on the Stanford Achievement Test. There were significant differences favoring Excel Math ... in second grade $ES = +0.27$. The mean of all grades was $ES = +0.13$.

Conclusion

After one year of using Excel Math, students in multiple studies have made demonstrative gains in their test scores in every grade. Utilizing Excel Math in successive years produces continued gains in every grade as well.



Over 35 years of helping students excel in math!