



## SAS® EVAAS® for K-12 Fulfilling the promise with opportunity

Why is schooling effectiveness important, and how do we measure it? Effective schooling—or lack thereof—influences a student’s ultimate achievement, accumulating over the years and measurably affecting student attainment. All children deserve the opportunity to realize their full potential, and the responsibility to provide that opportunity rests with the educators of today and tomorrow. But without a value-added metric for measuring effective schooling, educators have no way of knowing whether they are maximizing academic growth opportunities for all students.

Schools and districts are grappling with the requirements and challenges of No Child Left Behind (NCLB), the federal legislation that calls for all US children to be proficient in reading and math by 2014. Each district and school must make adequate yearly progress or face serious sanctions; but without precise and reliable information about student progress, educators can’t be sure they’re meeting every student’s academic needs.

### A PRECISE, RELIABLE WAY TO MEASURE SCHOOLING INFLUENCE

SAS EVAAS for K-12 builds on the Tennessee Value-Added Assessment System (TVAAS) methodology developed by Dr. William L. Sanders and his colleagues at the University of Tennessee. This value-added assessment measures the effectiveness of schools by following the progress of individual students, tracking the growth of the same students over time. In NCLB reporting, schools whose students begin the year at “proficient” may look effective year after year, even if their students are losing ground. By the same token, schools whose students begin at a lower level may appear ineffective, even if their students are making excellent progress. SAS EVAAS identifies these strengths and weaknesses by focusing on the progress made by students, not just their status.

School Name	Year	3	4	5	6	7	8
Adrian Elementary School	2006	--	-0.3	1.5	1.1	--	--
Alberto Middle School	2006	--	--	--	-0.6	2.2	-1.7
Alex Elementary School	2006	--	-0.3	2.6	--	--	--
Berkley Elementary School	2006	--	-0.3	0.3	--	--	--
Beryl Middle School	2006	--	--	--	-3.2	-1.6	-2.6
Bill High School	2006	--	--	--	--	-0.8	-0.9
Bonnie Elementary School	2006	--	3.4	1.5	--	--	--
Calvin Elementary School	2006	--	-1.1	0.3	1.3	--	--
Celia Elementary School	2006	--	0.6	-4.2	--	--	--
Charlei Middle School	2006	--	--	--	-3.1	0.6	-3.6
Charley Elementary School	2006	--	-7.6	--	--	--	--
Chris Middle School	2006	--	--	-0.6	2.6	0.1	0.1
Claudette High School	2006	--	--	--	--	--	--
Danna High School	2006	--	--	--	--	--	--
Debra Elementary School	2006	--	-2.1	-4.8	--	--	--

Building on Dr. Sanders' early educational research, SAS EVAAS for K-12 does more than just demonstrate that effective schooling is important. It also provides the most precise and reliable way to measure schooling influence, allowing you to:

- Go beyond proficiency results to accurately chart and predict the progress of all students, from students far below proficiency to students well above it.
- Learn everything you need to know about individual students—an accurate picture of past achievement, a clear picture of the present and a reliable projection for the future.
- Learn more than you ever thought possible about your district and your schools, disaggregating the data as needed to see the results and improve performance.

To date, SAS EVAAS analyses have been used by educators in more than 400 school districts in the US, including statewide implementations in Tennessee, Ohio and Pennsylvania. In fact, the projection methodology within SAS EVAAS was selected in May 2006 as an effective method for measuring student growth in the growth model pilot program initiated by the US Department of Education.

### HOW SAS® EVAAS® FOR K-12 WORKS

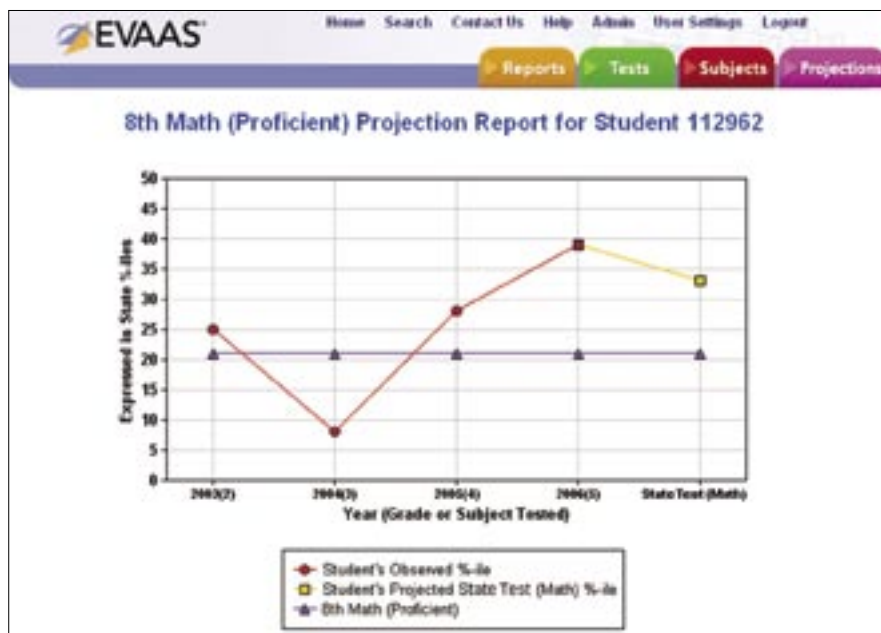
SAS EVAAS allows users to make sense of test data by tracking individual students over time. Schools can benefit from SAS EVAAS analyses without having to invest in new hardware, software or IT staff. Instead, states or districts send electronic data directly to SAS, where the data is cleaned and analyzed. The results are then reported via

a secure Web application, a powerful but user-friendly diagnostic tool.

Behind the scenes, SAS EVAAS draws on a set of powerful statistical models. Instead of comparing this year's students to last year's students—leaving you to wonder whether differences are due to the effectiveness of the school or chance differences between distinct groups of students from one year to the next—SAS EVAAS compares this year's students to themselves based on how they performed over the past few years. Based on all available prior test data for students and patterns of performance for all students, SAS EVAAS creates an expectation for a school or district and compares that to actual observed performance. The difference between that expectation and observed performance is EVAAS value-added. Using the same longitudinal database and the SAS EVAAS projection methodology, the analysis is able to create reliable, valid projections for future performance for individual students.

When results are available, clients can take charge of their own reports and assign access to whoever needs to view the results. These secure Web reports, which authorized users may access via any Web browser, include standard reports for common needs; results color-coded in a traffic-light scheme to represent progress and problems; data presented both in graphs and in tables; drill-down capability; and user-defined, custom reports that can save and generate the analysis you need when you need it.

For more information about SAS EVAAS for K-12, visit [www.sas.com/EVAAS](http://www.sas.com/EVAAS).



SAS INSTITUTE INC. WORLD HEADQUARTERS 919 677 8000 [WWW.SAS.COM](http://WWW.SAS.COM)  
 U.S. & CANADA SALES 800 727 0025 SAS INTERNATIONAL +49 6221 416-0

SAS and all other SAS Institute Inc. product or service names are registered trademarks or trademarks of SAS Institute Inc. in the USA and other countries. © indicates USA registration. Other brand and product names are trademarks of their respective companies. Copyright © 2006, SAS Institute Inc. All rights reserved. 102634\_395097.0706