

Mark Schlosser

Oswayo Valley Elementary School

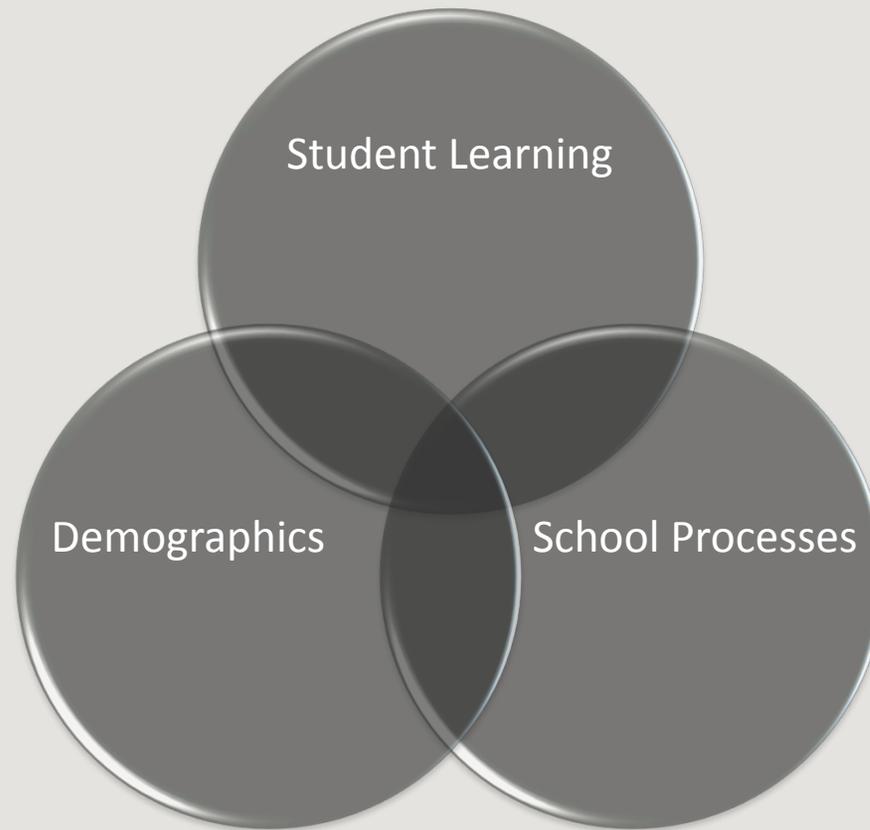
Carolyn Fugate, Principal/On-Site Supervisor
Charles Wicker, Superintendent



Question...

Do intermediate students—grades 3, 4, and 5—who take the 4Sight assessment show improved performance on the PSSA?

Intersections of Multiple Measures of Data



as measured by PSSA results, 4Sight Assessments, and Grade Level

Problem...

Schools turned to benchmark assessments to monitor and modify curriculum as a means of promoting student success on the Pennsylvania System of School Assessments. Many, like the Oswayo Valley School district, utilize the 4Sight Assessments marketed through the “Success For All Foundation”.

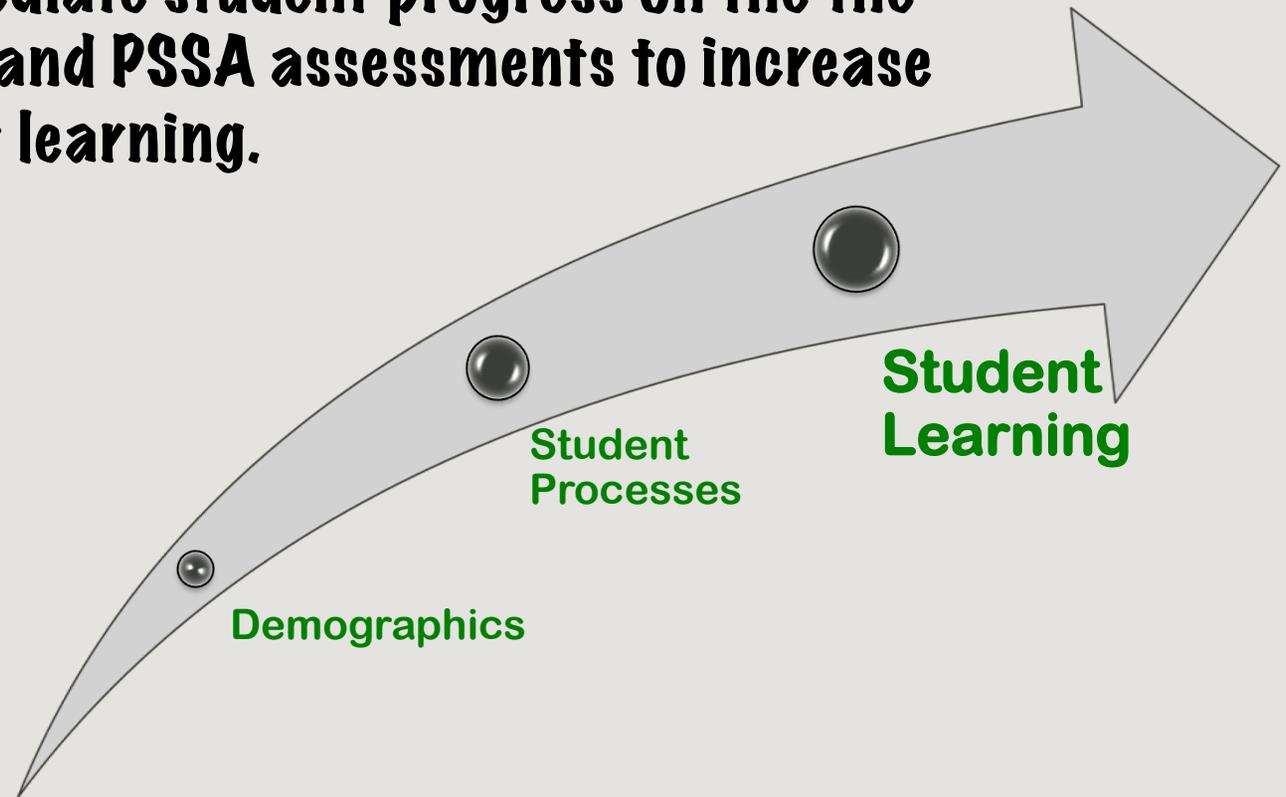
Does the data show students progress from testing session to testing session?

Do the 4Sight assessments accomplish their objective in predicting student performance?

Are the 4Sights reliable in predicting annual growth among students?

Problem...

The Focus Project analyzed the school's use of the 4Sight Assessments to monitor intermediate student progress on the the 4Sight and PSSA assessments to increase student learning.



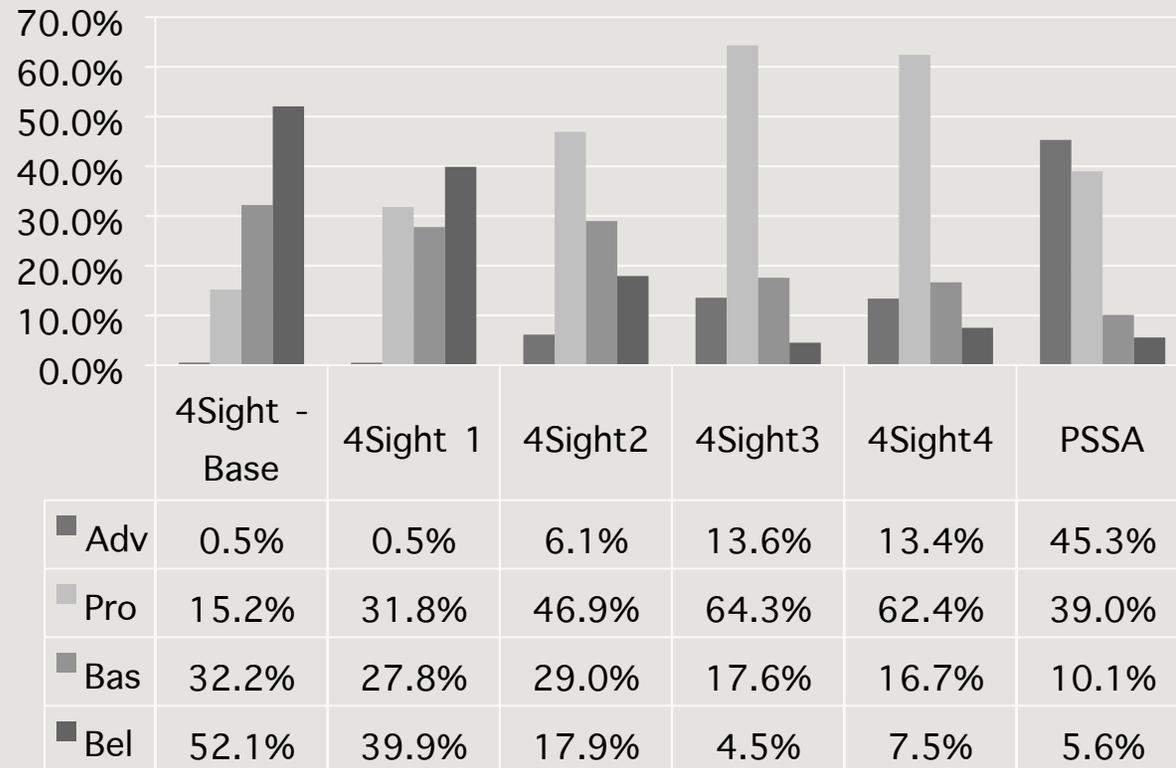
The student sample included data analysis of entire school population, annual grade results, and cohort progress.

	2008	2009	2010	2011
Class of 2015	Grade 5			
Class of 2016	Grade 4	Grade 5		
Class of 2017	Grade 3	Grade 4	Grade 5	
Class of 2018		Grade 3	Grade 4	Grade 5
Class of 2019			Grade 3	Grade 4
Class of 2020				Grade 3

The study compared student results on the 4Sight assessments to the results on the PSSA—both Mathematics and Reading. The sample included all students in all three grades for all three years, where data was available or appropriate for the study period.

Results...

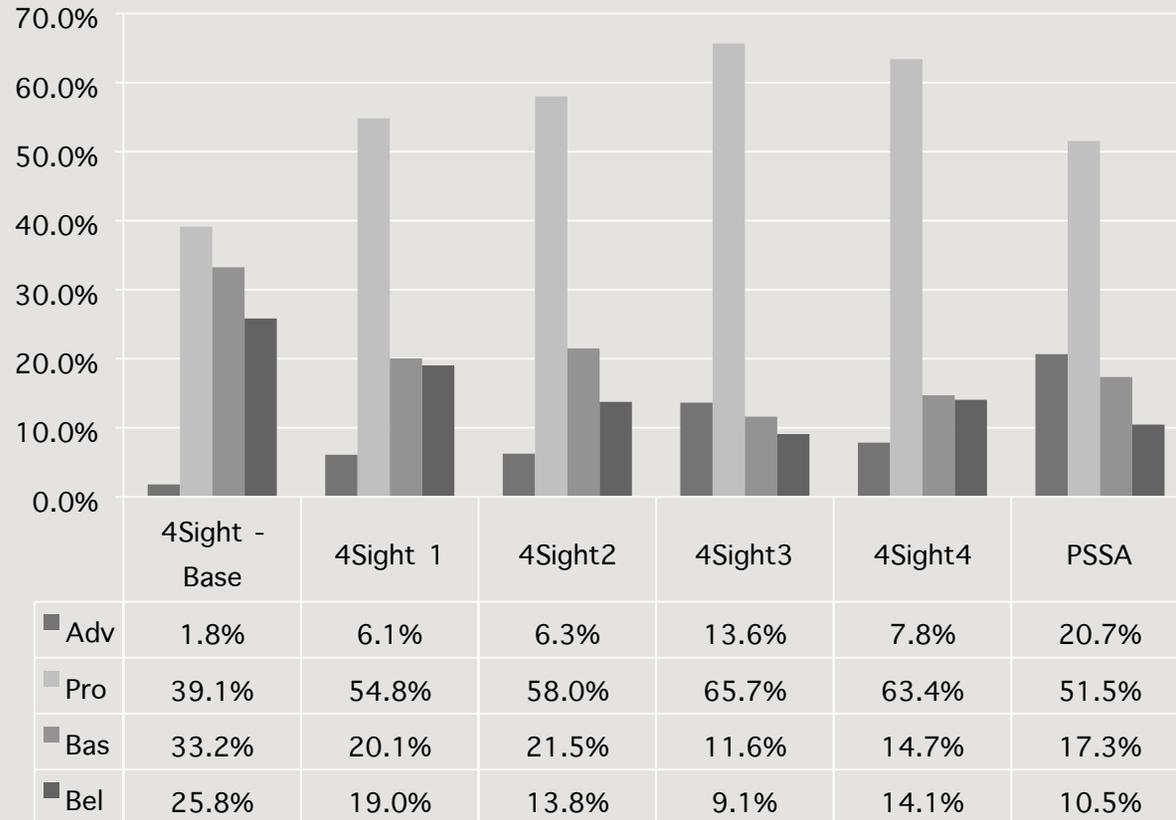
Mathematics Assessments Grades 3-5 2008-2011



As each successive test is given, collective performance rises as the percentage of “Advanced” and “Proficient” increases and the percentage of “Basic” and “Below Basic” decreases.

Results...

Reading Assessments Grades 3-5 2008-2011



As each successive test is given, collective performance rises as the percentage of “Advanced” and “Proficient” increases and the percentage of “Basic” and “Below Basic” decreases.

Results...

The study shows that as a predictor the 4Sight indicates comparable or better performance on the actual PSSA.

		4Sight 4 th Session			
Mathematics		Advanced	Proficient	Basic	Below Basic
PSSA	Advanced	34	82	6	1
	Proficient	3	89	25	3
	Basic	0	8	15	6
	Below Basic	1	5	4	10

Students who raised their performance level: 123 (42%)
Students who maintained their performance level: 148 (51%)
Students who lowered their performance level: 21 (7%)

Results...

The study shows that as a predictor the 4Sight indicates comparable or better performance on the actual PSSA.

		4Sight 4 th Session			
Reading		Advanced	Proficient	Basic	Below Basic
PSSA	Advanced	17	39	0	0
	Proficient	6	120	16	3
	Basic	0	24	14	17
	Below Basic	0	4	12	20

Students who raised their performance level: 75 (26%)
Students who maintained their performance level: 171 (59%)
Students who lowered their performance level: 46 (16%)

Results...

The study shows while the 4Sight may predict progress within a given year, it does not predict increased achievement from year to year.

**PSSA Scores in Successive Years
(Grades 3, 4, 5)**

Students showing scores that were...	...increased (e.g. P,P,A; BB, B,P)	...identical	...decreased (e.g. P,P,B; A,P,B)	...varied (e.g. P,A,P; B,BB,B)
Mathematics	33%	76%	8%	14%
Reading	20%	37%	18%	22%

The focus project represents not a conclusion of a study but the beginning of professional evaluation for advancing student achievement. A number of questions need to be considered:

- How do we build on this study in subsequent years, increasing the sample size and thereby increasing the validity?**
- Are we maximizing the 4Sight as indicator of necessary curriculum modifications?**
- Do we need to administer all four of the assessments since the results show the third session correlates in a similar manner as does the fourth?**
- What may account for the seemingly better performance in growth and final scores for Mathematics over Reading?**