

Cobb County School District
21st Century Classroom: Preliminary Evaluation Data
May 2008

Data Collection Process

- ✓ Process began in December 2007 with identification of a local school contact person for each school involved in the initiative. Meetings were held monthly to review data and obtain input from the schools about progress and issues the school was facing.
- ✓ Data sources included weekly teacher surveys; student surveys; classroom observations; student/teacher data from various information systems; reports of student test scores; performance information from technology services; and project/financial information from project manager for 21st Century Classroom initiative.

Data Analysis Procedures

- ✓ Data were compiled by school, level (elementary, middle, high), and system, however, findings reflect overall (system) data.
- ✓ Data were compiled as a comparison by either school year (2006-2007) or by semester (1st and 2nd Semester).
- ✓ Data analysis was completed with straightforward comparisons for pre and post data and, to the extent possible, statistical testing was completed using t-test, analysis of variance, effect size, and moving average regression.
- ✓ Data were charted to show differences in pre-post for indicators where data were available.

Findings

Following is a chart with indicators, pre/post data, a preliminary evaluation of the trend, and notes regarding either source of data collection or important information about the analysis.

Indicator	Data Collection Periods	Pre-Data	Post-Data	Change	Tentative Evaluation Trend	Notes
Student Attendance	2006-07 2007-08	95.7%	95.8%	+1	Positive	(Average Daily Attendance Rates)
Teacher Attendance	2006-07 2007-08	91.5%	92.1%	+6	Positive	(Average Daily Attendance Rates)
Standardized Test Scores in Writing	2006-07 2007-08	215 Average Scale Score	220 Average Scale Score	+5 scale score points +2% overall change	Positive	Statistically significant difference between mean scores at .01 level but very small effect size
Gain Scores from Common Assessments at Local Schools	2 nd Semester	33% students proficient or higher	80% students proficient or higher	+47%	Positive	(Sample assessment data from one school in science)
Student engagement	1 st Semester 2 nd Semester	53%	58%	+5%	Positive	(From Classroom Observations)

Indicator	Data Collection Periods	Pre-Data	Post-Data	Change	Tentative Evaluation Trend	Notes
Higher Order Thinking Activities	1 st Semester 2 nd Semester	12%	16%	+4%	Positive	(From Classroom Observations)
On Task Behavior of Students During Class	1 st Semester 2 nd Semester	93%	95%	+2%	Positive	(From Classroom Observations)
Student Motivation	January 2008 March 2008	90.1%	95.7%	+5.6	Positive	(Based on teacher weekly reports- high or very high)
Teacher Satisfaction with Training	2 nd Semester	N/A	89.3%	--	Positive	(Percent satisfied or very satisfied)
Project Milestones Completed on Time	2 nd Semester	N/A	100%	--	Positive	(All project milestones were met on time)
Teacher Evaluation of Impact on Student Learning	January 2008 March 2008	77.25%	89.30%	+12.35	Positive	(Based on teacher weekly reports of high or very high)

Summary

Preliminary analysis shows positive trends for all indicators included in the evaluation. Change for some indicators is small but to be expected given the short amount of time for implementation and evaluation.