

**Appendix MMM-7-4  
January 31, 2011**

**Continuing a Value-Added Model with the Madison  
Metropolitan School District**

**Preliminary - Do Not Circulate  
December 17, 2010**

## **The Value-Added System in 2010**

Value added is the use of statistical technique to identify the effects of schooling on measured student performance. The value added model uses what data are available about students--past test scores and student demographics in particular--to control for prior student knowledge, home and community environment, and other relevant factors to better measure the effects of schools on student achievement. In practice, value added focuses on student improvement on an assessment from one year to the next.

This report presents value-added results for Madison Metropolitan School District (MMSD) for the two-year period between November 2007 to November 2009, measuring student improvement on the November test administrations of the Wisconsin Knowledge and Concepts Examination (WKCE) in grades three through eight. Also presented are results for the two-year period between November 2005 to November 2007, as well as the two-year period between November 2006 to November 2008. This allows for some context from the past, presenting value added over time as a two-year moving average.

### **Changes to the Value Added Model**

Some of the details of the value-added system have changed in 2010. The two most substantial changes are the the inclusion of differential-effects value-added results and the addition to the set of control variables of full-academic-year (FAY) attendance.

### **Differential Effects**

In addition to overall school- and grade-level value-added measures, this year's value-added results also include value-added measures for student subgroups within schools. The subgroups included in this year's value-added results are students with disabilities, English language learners, black students, Hispanic students, and students who receive free or reduced-price lunches. The results measure the growth of students in these subgroups at a school. For example, if a school has a value added of +5 for students with disabilities, then students with disabilities at this school gained 5 more points on the WKCE relative to observationally similar students across MMSD.

The subgroup results are designed to measure differences across schools in the performance of students in that subgroup relative to the overall performance of students in that subgroup across MMSD. Any overall, district-wide effect of (for example) disability is controlled for in the value-added model and is not included in the subgroup results. The subgroup results reflect *relative* differences across schools in the growth of students in that subgroup.

The subgroup results, like the overall value-added results, control for some differences in the subgroup populations across schools. The results for students with disabilities control for district-wide differences in growth among students with learning disabilities, students with speech and language disabilities, and students with other (and typically more costly) disabilities. The results for English language learners control for differences between beginning/intermediate

ELL students and advanced ELL students. The results for free- and reduced-price-lunch students control for differences between free-lunch and reduced-price-lunch students.

The subgroups come from a value-added model called a "differential-effects" model. The model is called a "differential-effects" model because the model assumes that there are differences between the effect of attending a particular school on the growth of students in a subgroup and the effect on the growth of students outside the subgroup. The model is slightly different from the model used to produce overall value-added results, which does not include differential effects. Small differences between an overall value-added measure and a subgroup value-added measure should not be interpreted as substantive.

### **Full Academic Year**

The value-added model attributes student growth to the school attended at the time of the pretest. For example, if a student attended Oak Elementary in November 2008 and Elm Elementary in November 2009, the student's growth between the November 2008 and November 2009 administrations of the WKCE are attributed to Oak Elementary. This approach ensures that the value-added system is inclusive of students who change schools.

To account for the possibility that students who change schools may grow more slowly than students who do not change schools, a variable that indicates whether a student attended his or her school for the full academic year was added to the model as a control. (In cases in which students are expected to change schools--such as the transition from elementary school to middle school--the control is full academic year in the district.) By adding this variable, the value-added model controls for the effect of changing schools on student growth. This variable was added to improve the fairness of the value-added system for schools with high student mobility.

## The Distribution of the WKCE in MMSD

Value added is measured in MMSD using points on the WKCE as a unit of measurement. For example, a value added of +3 for third grade math at a given school means that students at that school gained 3 more points on the mathematics WKCE than observationally similar students across MMSD between November of the third grade and November of the fourth grade.

The tables below present summary statistics about attainment on the WKCE in MMSD across students. These tables provide some context for interpreting results that use the WKCE scale. For example, consider again the case of a school with a value added of +3 for the third grade, where students gained 3 more WKCE points in mathematics between the third and fourth grade than similar students across the district. We can see that the 25th percentile across students on the fourth grade math WKCE is 439, while the 50th percentile on the fourth grade math WKCE is 470--a difference of 31 points. Therefore, a value added of +3 math WKCE points from third grade to fourth grade represents slightly more than a tenth of the difference between the 25th percentile and the 50th percentile on the fourth grade math WKCE.

### Distribution of the WKCE in mathematics and reading across students in MMSD

WKCE in mathematics, November 2009

Grade	3	4	5	6	7	8
5th percentile	343	385	394	414	450	451
25th percentile	397	439	457	478	504	515
50th percentile	436	470	493	514	537	551
75th percentile	472	502	528	546	569	585
95th percentile	520	556	583	590	611	628
Mean	435	470	491	510	535	547
Standard deviation	58	54	59	56	51	56

WKCE in reading, November 2009

Grade	3	4	5	6	7	8
5th percentile	377	367	372	381	419	424
25th percentile	426	436	442	459	481	489
50th percentile	457	475	479	501	523	528
75th percentile	483	509	516	535	562	564
95th percentile	519	552	565	579	606	615
Mean	452	469	475	494	519	525
Standard deviation	50	59	60	62	60	61

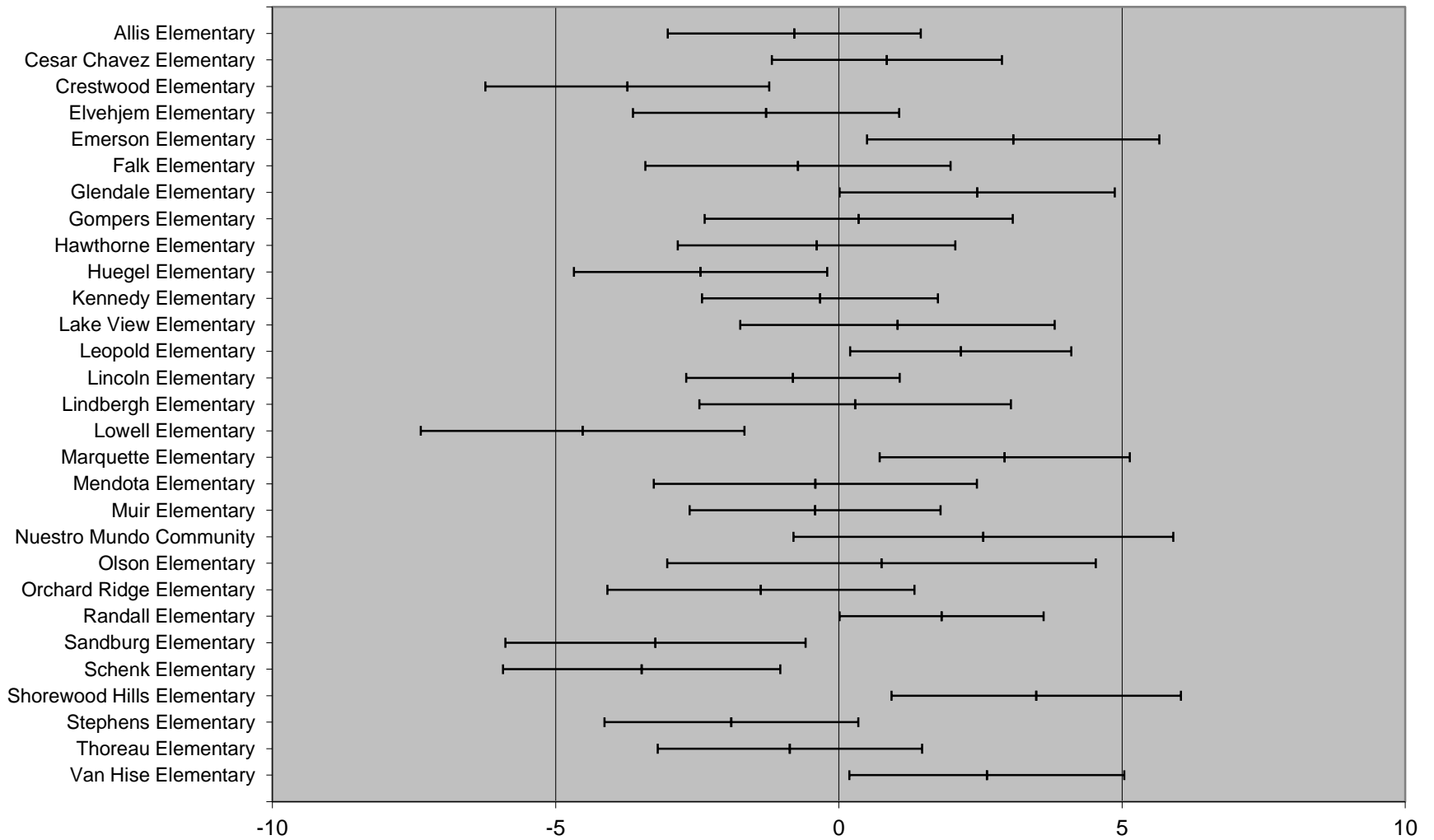
## School Value Added Charts

The charts on the following pages present school-level value added for schools in Madison Metropolitan School District (MMSD) over the period between November 2007 to November 2009. There are four charts: one for elementary-school math, one for elementary-school reading, one for middle-school math, and one for middle-school reading.

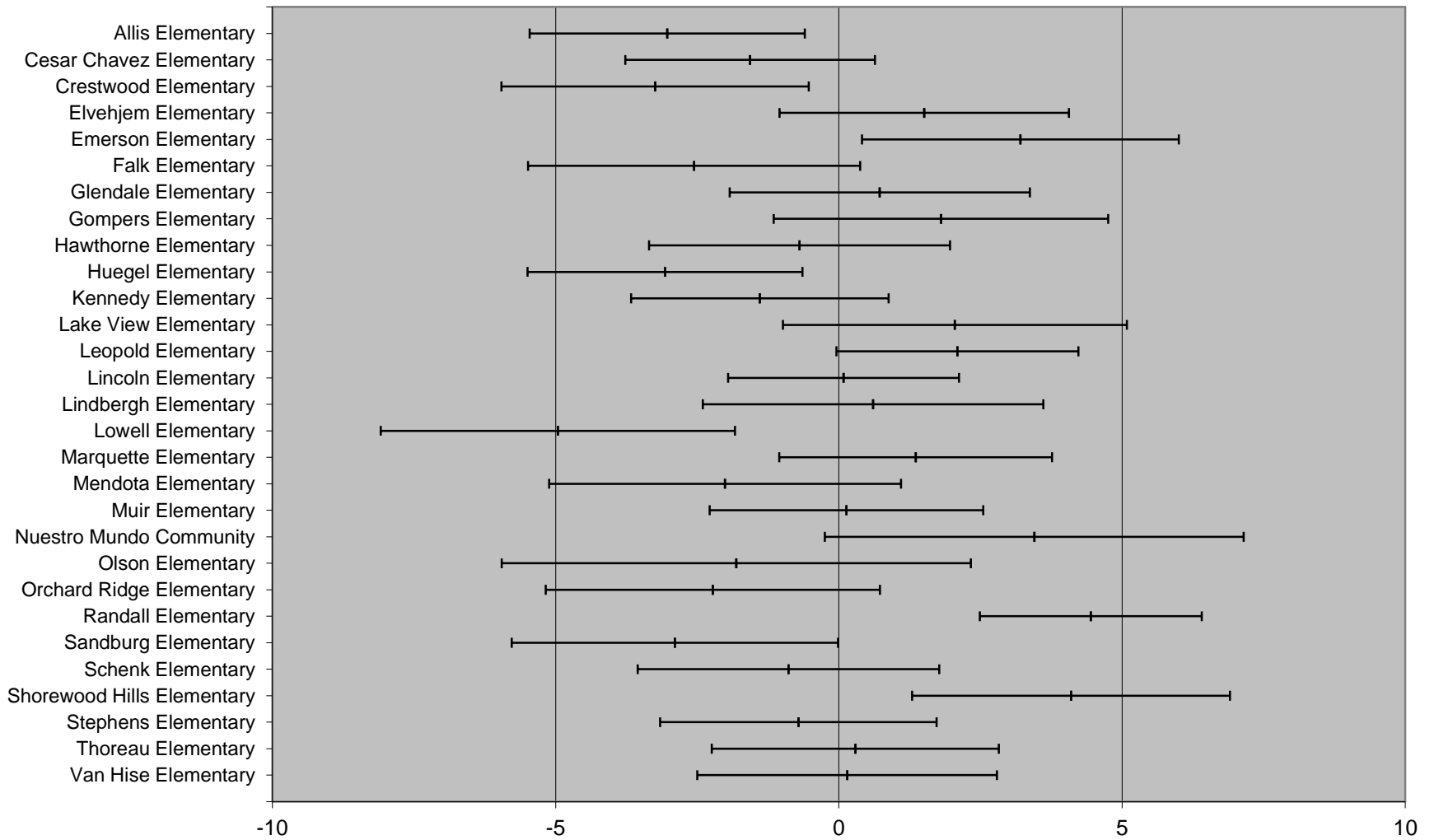
Each chart has a set of bars, with each bar corresponding to a school in MMSD. There are 29 bars in the charts of elementary-school value added (with each bar corresponding to a school that serves grade three, four, or five), and 11 bars in the charts of middle-school value added (with each bar corresponding to a school that serves grade six or seven). At the center of each bar is the best estimate of that school's value added. For example, consider a school with a bar that stretches from -1 to +3, with a center point at +1. This means that our best estimate of that school's value added is +1. Students at that school gained 1 point more on the WKCE than observationally similar students across the district from one year to the next. This includes students who were at the school either from November 2007 to November 2008 or from November 2008 to November 2009; the extra point is gained over the course of a single year, either the earlier or the later November-to-November interval.

Extending to the left and right of that center point is a 95 percent confidence range of value added. We present a confidence range because value added is based on a finite number of students, which opens up the possibility of randomness: students at a school may be growing more quickly because of something happening at the school, or it could simply be that the school had a fast-growing or slow-growing group of students by chance. We can rule out with 95 percent confidence that the school's value added is outside the bar. In the case of a bar that stretches from -1 to +3, we can be 95 percent confident that the school's value added is not lower than -1, nor is it greater than +3. When the bar is entirely to the right of zero, we often say that value added is positive and *statistically significant*: that students at the school grew more quickly than the district average, to an extent that is unlikely to be attributable to randomness or chance. Similarly, when the bar is entirely to the left of zero, we often say that value added is negative and statistically significant: that students at the school grew more slowly than the district average, to an extent that it unlikely to be attributable to chance.

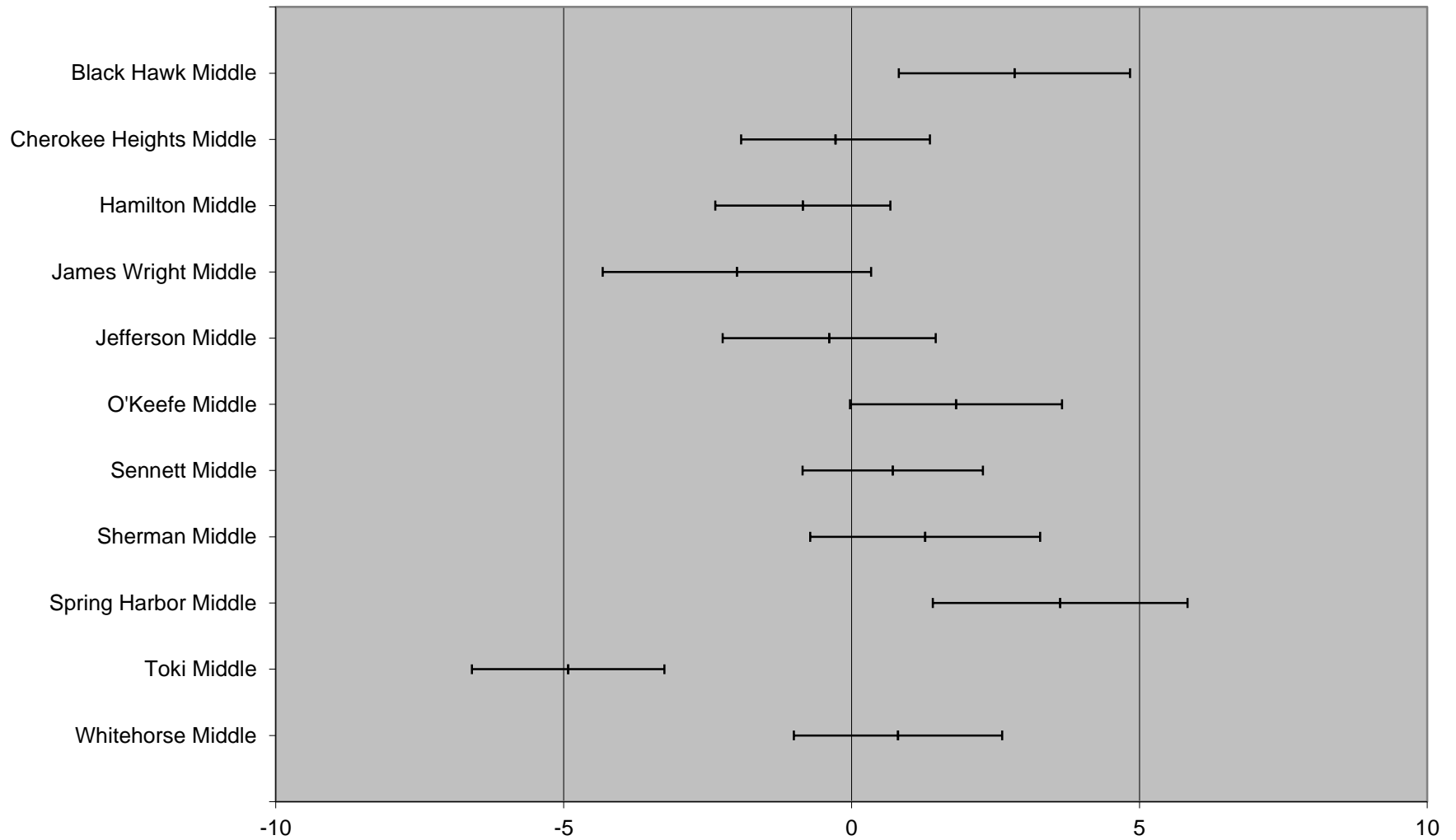
# Math Value Added, Elementary, 2007-2009



# Reading Value Added, Elementary, 2007-2009

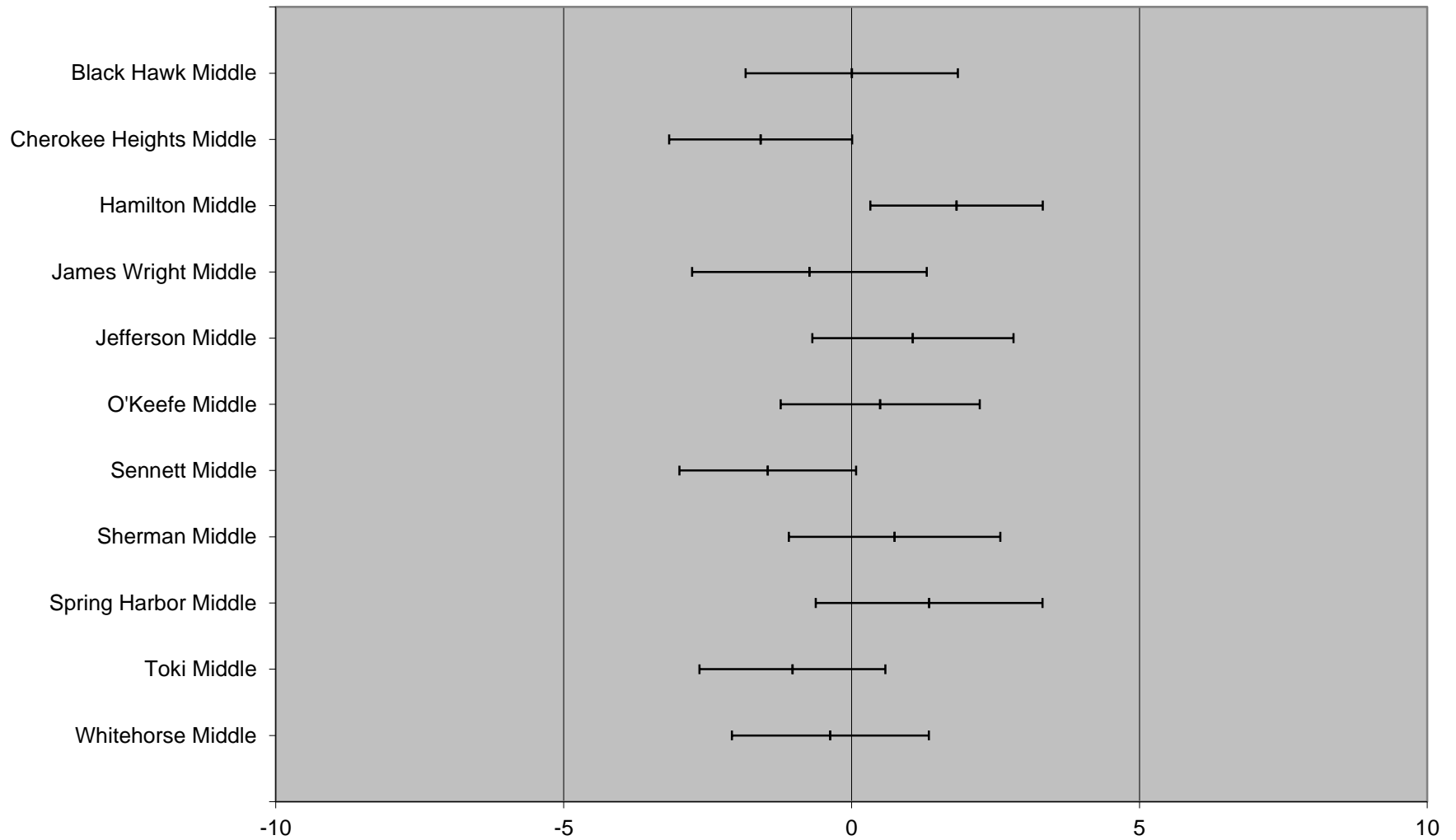


# Math Value Added, Middle, 2007-2009





# Reading Value Added, Middle, 2007-2009



## Reading the Value Added Tables

For the period between November 2007 and November 2009, the value added for this school is +1.7. This means that students at this school gained 1.7 points more on the WKCE from one year to the next (*either* November 2007 to November 2008, *or* November 2008 to November 2009) than similar students did across the district.

The standard error of value added is 1.3. Generally speaking, value added plus or minus two standard errors present a 95 percent confidence range. We can be 95 percent confident that the school's value added is greater than -0.9 (+1.7 minus  $2 \times 1.3$ ) and less than 4.3 (+1.7 plus  $2 \times 1.3$ ).

School	Math			Reading		
	VA	Std. Err.	N	VA	Std. Err.	N
100 Incognito Elementary						
Nov. 2005-Nov. 2007	+3.1	(1.3)	299	+2.1	(1.4)	298
Nov. 2006-Nov. 2008	+1.9	(1.3)	324	+1.2	(1.4)	324
Nov. 2007-Nov. 2009	+1.7	(1.3)	315	-0.2	(1.4)	311
Subgroups, 2007-09:						
Disability	+2.8	(1.9)	63	+1.1	(1.9)	64
ELL	*	*	108	+0.2	(1.7)	110
Black	*	*	76	-0.5	(2.0)	76
Hispanic	-0.8	(1.6)	153	-2.7	(1.6)	154
Low-income	-1.0	(3.4)	199	*	*	201

For the period between November 2007 and November 2009, the value added for this school in math is +2.8 among students with disabilities. This means that students with disabilities at this school gained 2.8 points more on the WKCE from one year to the next than similar students with disabilities across the district.

In some cases, value added for a student subgroup is not reported. Usually this will be the case when the value added model cannot find differences across schools in the growth of students in that subgroup that cannot be explained with differences across schools in the growth of students overall. For example, in this case, there were no differences across schools in the growth of low-income students in reading that couldn't be explained by differences across schools in the growth of students overall.

The standard error of value added for students with disabilities is 1.9. A 95 percent confidence range of value added for students with disabilities would stretch from -1.0 (+2.8 minus  $2 \times 1.9$ ) to +6.6 (+2.8 plus  $2 \times 1.9$ ).

In some cases, value added for a student subgroup will not be reported if there are not enough students in that subgroup in the school.

## Tables 1 and 2: Value Added By School

Tables 1 and 2 present value added at the school level for elementary and middle schools serving grades 3 through 8 in Madison Metropolitan School District. Values added are presented for three overlapping time periods: the period between the November 2005 to November 2007 WKCE administrations, the more recent period between the November 2006 and November 2008 WKCE, and the most recent period between the November 2007 and November 2009 WKCE. This presents value added as a two-year moving average to increase precision and avoid overinterpretation of trends.

Also presented in Tables 1 and 2 is value added for the November 2007 to November 2009 period for five subgroups: students with disabilities, English language learners, black students, Hispanic students, and low-income students. The subgroup results measure value-added specifically for each subgroup of students within the school. The subgroup value-added results come from a differential-effects value-added model that is slightly different from the value-added model used to produce overall value added. Consequently, small differences between overall value added and subgroup value added should not be overinterpreted.

In some cases, no subgroup results are produced. These cases are noted with an asterisk (\*). There are two cases in which no subgroup result is produced. The first case is when the value-added model does not uncover any differences across schools in the growth of students of that subgroup that cannot be explained with differences across schools in the growth of all students overall. In this case, no separate results are presented for any school for that particular subgroup. The second case is when there are fewer than five students in a given school in that subgroup. In that case, results for that subgroup are only suppressed for that particular school.

**VA** is equal to the school's value added. It is equal to the number of extra points students at a school scored on the WKCE relative to observationally similar students across the district. A school with a zero value added is an average school in terms of value added. Students at a school with a value added of +3 scored 3 points higher on the WKCE than observationally similar students across the district.

**Std. Err.** is the standard error of the school's value added. Because schools have only a finite number of students, value added (and any other school-level statistic) is measured with some error. Although it is impossible to ascertain the sign of measurement error, we can measure its likely magnitude by using its standard error. This makes it possible to create a plausible range for a school's true value added. In particular, a school's measured value added plus or minus 1.96 standard errors provides a 95 percent confidence interval for a school's true value added.

**N** is the number of students used to measure value added. It covers students whose WKCE scores can be matched from one year to the next. In the subgroup results, N is equal to the number of students in the subgroup whose WKCE scores can be matched from one year to the next.

**Table 1. Elementary School Value Added**

School	Math			Reading		
	VA	Std. Err.	N	VA	Std. Err.	N
<b>225 Allis Elementary</b>						
Nov. 2005-Nov. 2007	-2.9	(1.1)	387	-3.1	(1.2)	386
Nov. 2006-Nov. 2008	-2.3	(1.1)	409	-4.2	(1.2)	407
Nov. 2007-Nov. 2009	-0.8	(1.1)	386	-3.0	(1.2)	384
Subgroups, 2007-09:						
Disability	-1.4	(2.5)	65	-6.1	(2.5)	64
ELL	*	*	127	-2.4	(1.6)	126
Black	*	*	96	-3.4	(1.8)	95
Hispanic	-0.7	(1.3)	110	-2.7	(1.3)	109
Low-income	*	*	251	-2.7	(1.4)	249
<b>110 Cesar Chavez Elementary</b>						
Nov. 2005-Nov. 2007	-0.4	(1.0)	472	-1.8	(1.1)	459
Nov. 2006-Nov. 2008	-0.5	(1.0)	500	-0.8	(1.1)	492
Nov. 2007-Nov. 2009	0.8	(1.0)	493	-1.6	(1.1)	493
Subgroups, 2007-09:						
Disability	-2.0	(2.7)	52	-2.1	(2.7)	52
ELL	*	*	74	-2.3	(1.7)	74
Black	*	*	63	-1.3	(1.9)	63
Hispanic	0.7	(1.3)	75	-1.4	(1.3)	75
Low-income	*	*	132	-2.4	(1.7)	132
<b>105 Crestwood Elementary</b>						
Nov. 2005-Nov. 2007	-2.0	(1.2)	336	0.9	(1.2)	333
Nov. 2006-Nov. 2008	-2.6	(1.2)	332	-1.2	(1.3)	331
Nov. 2007-Nov. 2009	-3.7	(1.3)	300	-3.2	(1.4)	301
Subgroups, 2007-09:						
Disability	-5.6	(3.0)	36	-2.6	(2.9)	37
ELL	*	*	23	-3.2	(2.1)	23
Black	*	*	33	-4.8	(2.2)	33
Hispanic	-3.4	(1.6)	18	-3.2	(1.5)	18
Low-income	*	*	64	-3.9	(2.0)	64
<b>165 Elvehjem Elementary</b>						
Nov. 2005-Nov. 2007	3.0	(1.1)	379	1.3	(1.2)	378
Nov. 2006-Nov. 2008	3.4	(1.2)	350	3.4	(1.3)	348
Nov. 2007-Nov. 2009	-1.3	(1.2)	333	1.5	(1.3)	331
Subgroups, 2007-09:						
Disability	-2.4	(2.7)	52	4.9	(2.7)	52
ELL	*	*	13	2.2	(2.1)	13
Black	*	*	36	1.2	(2.1)	36
Hispanic	-1.2	(1.5)	12	1.6	(1.5)	12
Low-income	*	*	81	1.8	(1.9)	80

**Table 1. Elementary School Value Added**

School	Math			Reading		
	VA	Std. Err.	N	VA	Std. Err.	N
<b>180 Emerson Elementary</b>						
Nov. 2005-Nov. 2007	-1.2	(1.4)	227	-3.4	(1.4)	226
Nov. 2006-Nov. 2008	0.3	(1.3)	255	0.3	(1.4)	254
Nov. 2007-Nov. 2009	3.1	(1.3)	268	3.2	(1.4)	268
Subgroups, 2007-09:						
Disability	8.1	(2.5)	60	8.5	(2.6)	60
ELL	*	*	35	3.2	(2.0)	35
Black	*	*	71	4.1	(1.9)	71
Hispanic	3.2	(1.6)	30	3.3	(1.6)	30
Low-income	*	*	173	3.6	(1.6)	173
<b>210 Falk Elementary</b>						
Nov. 2005-Nov. 2007	-2.2	(1.3)	278	-1.4	(1.3)	278
Nov. 2006-Nov. 2008	-1.6	(1.3)	265	-1.5	(1.4)	265
Nov. 2007-Nov. 2009	-0.7	(1.4)	236	-2.6	(1.5)	236
Subgroups, 2007-09:						
Disability	3.7	(3.0)	38	-4.5	(3.0)	38
ELL	*	*	33	-3.0	(2.0)	33
Black	*	*	89	-3.1	(1.9)	89
Hispanic	-0.8	(1.6)	22	-2.8	(1.6)	22
Low-income	*	*	143	-2.5	(1.7)	143
<b>255 Glendale Elementary</b>						
Nov. 2005-Nov. 2007	-0.1	(1.3)	272	0.8	(1.3)	265
Nov. 2006-Nov. 2008	-1.1	(1.3)	294	1.8	(1.4)	289
Nov. 2007-Nov. 2009	2.4	(1.2)	313	0.7	(1.4)	311
Subgroups, 2007-09:						
Disability	1.7	(2.6)	58	4.0	(2.6)	57
ELL	*	*	122	0.9	(1.6)	121
Black	*	*	94	0.8	(1.8)	93
Hispanic	2.6	(1.4)	88	0.7	(1.4)	87
Low-income	*	*	237	0.9	(1.4)	235
<b>675 Gompers Elementary</b>						
Nov. 2005-Nov. 2007	-0.7	(1.3)	250	-1.2	(1.4)	250
Nov. 2006-Nov. 2008	0.5	(1.3)	250	1.4	(1.4)	250
Nov. 2007-Nov. 2009	0.4	(1.4)	216	1.8	(1.5)	215
Subgroups, 2007-09:						
Disability	2.9	(3.1)	30	2.4	(3.1)	30
ELL	*	*	33	2.0	(2.0)	32
Black	*	*	41	1.5	(2.1)	41
Hispanic	0.4	(1.7)	19	1.9	(1.6)	19
Low-income	*	*	77	1.7	(1.9)	76

**Table 1. Elementary School Value Added**

School	Math			Reading		
	VA	Std. Err.	N	VA	Std. Err.	N
<b>48 Hawthorne Elementary</b>						
Nov. 2005-Nov. 2007	-1.9	(1.3)	260	-1.2	(1.4)	259
Nov. 2006-Nov. 2008	-2.0	(1.3)	283	-1.9	(1.4)	282
Nov. 2007-Nov. 2009	-0.4	(1.2)	297	-0.7	(1.4)	297
Subgroups, 2007-09:						
Disability	-2.9	(2.9)	38	-0.6	(2.9)	38
ELL	*	*	108	-1.0	(1.7)	108
Black	*	*	77	0.3	(1.9)	77
Hispanic	0.0	(1.5)	51	-0.8	(1.5)	51
Low-income	*	*	190	-0.3	(1.5)	190
<b>660 Huegel Elementary</b>						
Nov. 2005-Nov. 2007	-1.4	(1.1)	385	-1.5	(1.1)	383
Nov. 2006-Nov. 2008	-2.2	(1.1)	397	-0.9	(1.2)	396
Nov. 2007-Nov. 2009	-2.4	(1.1)	381	-3.1	(1.2)	381
Subgroups, 2007-09:						
Disability	-7.6	(2.8)	51	-0.5	(2.8)	51
ELL	*	*	46	-2.5	(1.9)	45
Black	*	*	81	-2.1	(1.9)	82
Hispanic	-2.3	(1.4)	38	-3.0	(1.4)	37
Low-income	*	*	153	-2.0	(1.6)	153
<b>375 Kennedy Elementary</b>						
Nov. 2005-Nov. 2007	-0.6	(1.0)	464	-2.5	(1.1)	464
Nov. 2006-Nov. 2008	0.8	(1.0)	465	-0.6	(1.1)	466
Nov. 2007-Nov. 2009	-0.3	(1.1)	459	-1.4	(1.2)	459
Subgroups, 2007-09:						
Disability	-0.5	(2.6)	60	-3.5	(2.6)	60
ELL	*	*	14	-0.8	(2.0)	14
Black	*	*	55	-0.7	(2.0)	55
Hispanic	-0.2	(1.4)	11	-1.3	(1.3)	11
Low-income	*	*	110	-1.5	(1.7)	110
<b>435 Lake View Elementary</b>						
Nov. 2005-Nov. 2007	-1.6	(1.4)	216	-1.1	(1.4)	213
Nov. 2006-Nov. 2008	-1.2	(1.4)	224	-0.9	(1.5)	221
Nov. 2007-Nov. 2009	1.0	(1.4)	215	2.0	(1.5)	215
Subgroups, 2007-09:						
Disability	1.3	(2.9)	40	2.5	(2.9)	40
ELL	*	*	54	1.9	(2.0)	54
Black	*	*	63	1.9	(2.0)	63
Hispanic	0.8	(1.7)	24	2.1	(1.7)	24
Low-income	*	*	137	2.0	(1.7)	137

**Table 1. Elementary School Value Added**

School	Math			Reading		
	VA	Std. Err.	N	VA	Std. Err.	N
<b>475 Leopold Elementary</b>						
Nov. 2005-Nov. 2007	-0.3	(0.9)	560	0.2	(1.0)	551
Nov. 2006-Nov. 2008	0.8	(1.0)	547	-1.1	(1.1)	533
Nov. 2007-Nov. 2009	2.2	(1.0)	546	2.1	(1.1)	537
Subgroups, 2007-09:						
Disability	-2.6	(2.7)	54	0.7	(2.7)	52
ELL	*	*	147	2.9	(1.5)	141
Black	*	*	166	2.5	(1.6)	165
Hispanic	2.4	(1.2)	132	2.3	(1.2)	127
Low-income	*	*	340	2.9	(1.2)	334
<b>15 Lincoln Elementary</b>						
Nov. 2005-Nov. 2007	4.9	(1.0)	553	4.7	(1.0)	550
Nov. 2006-Nov. 2008	1.9	(1.0)	581	2.6	(1.0)	576
Nov. 2007-Nov. 2009	-0.8	(1.0)	572	0.1	(1.0)	570
Subgroups, 2007-09:						
Disability	0.5	(2.3)	83	1.8	(2.3)	83
ELL	*	*	236	-0.6	(1.3)	234
Black	*	*	127	-0.9	(1.6)	127
Hispanic	-1.1	(1.1)	182	0.0	(1.1)	181
Low-income	*	*	377	-0.6	(1.2)	375
<b>65 Lindbergh Elementary</b>						
Nov. 2005-Nov. 2007	-1.1	(1.4)	208	-1.7	(1.5)	208
Nov. 2006-Nov. 2008	0.3	(1.4)	229	0.2	(1.5)	228
Nov. 2007-Nov. 2009	0.3	(1.4)	217	0.6	(1.5)	217
Subgroups, 2007-09:						
Disability	2.8	(3.4)	21	-0.7	(3.3)	21
ELL	*	*	84	0.2	(1.8)	83
Black	*	*	39	0.7	(2.2)	40
Hispanic	0.4	(1.7)	25	0.6	(1.7)	25
Low-income	*	*	147	0.6	(1.7)	146
<b>495 Lowell Elementary</b>						
Nov. 2005-Nov. 2007	-1.3	(1.4)	204	-1.6	(1.5)	203
Nov. 2006-Nov. 2008	-3.9	(1.4)	201	-5.7	(1.6)	200
Nov. 2007-Nov. 2009	-4.5	(1.5)	196	-5.0	(1.6)	193
Subgroups, 2007-09:						
Disability	-3.6	(3.6)	16	-6.2	(3.5)	16
ELL	*	*	36	-5.3	(2.1)	33
Black	*	*	47	-5.7	(2.1)	47
Hispanic	-4.7	(1.7)	26	-5.1	(1.7)	25
Low-income	*	*	98	-5.8	(1.9)	95

**Table 1. Elementary School Value Added**

School	Math			Reading		
	VA	Std. Err.	N	VA	Std. Err.	N
<b>525 Marquette Elementary</b>						
Nov. 2005-Nov. 2007	3.0	(1.1)	428	1.4	(1.1)	424
Nov. 2006-Nov. 2008	2.8	(1.1)	403	0.8	(1.2)	398
Nov. 2007-Nov. 2009	2.9	(1.1)	392	1.4	(1.2)	391
Subgroups, 2007-09:						
Disability	1.9	(2.5)	64	1.0	(2.5)	64
ELL	*	*	11	1.0	(2.0)	10
Black	*	*	37	2.7	(2.1)	37
Hispanic	2.8	(1.5)	15	1.4	(1.4)	14
Low-income	*	*	98	2.4	(1.8)	98
<b>555 Mendota Elementary</b>						
Nov. 2005-Nov. 2007	-1.9	(1.5)	193	0.5	(1.5)	191
Nov. 2006-Nov. 2008	-0.2	(1.4)	201	-0.3	(1.6)	201
Nov. 2007-Nov. 2009	-0.4	(1.5)	199	-2.0	(1.6)	199
Subgroups, 2007-09:						
Disability	1.2	(3.0)	35	-0.7	(3.0)	34
ELL	*	*	12	-1.5	(2.2)	12
Black	*	*	106	-1.7	(1.8)	106
Hispanic	-0.3	(1.7)	17	-2.0	(1.7)	17
Low-income	*	*	133	-2.1	(1.7)	133
<b>390 Muir Elementary</b>						
Nov. 2005-Nov. 2007	-1.0	(1.1)	349	3.2	(1.2)	347
Nov. 2006-Nov. 2008	-1.8	(1.1)	380	1.1	(1.2)	376
Nov. 2007-Nov. 2009	-0.4	(1.1)	385	0.1	(1.2)	382
Subgroups, 2007-09:						
Disability	1.7	(2.4)	71	0.8	(2.4)	69
ELL	*	*	56	-0.1	(1.8)	54
Black	*	*	53	-0.9	(2.0)	53
Hispanic	-0.4	(1.4)	43	0.0	(1.4)	43
Low-income	*	*	125	-1.0	(1.7)	124
<b>125 Nuestro Mundo Community</b>						
Nov. 2006-Nov. 2008	0.5	(2.1)	40	3.6	(2.4)	40
Nov. 2007-Nov. 2009	2.6	(1.7)	122	3.5	(1.9)	122
Subgroups, 2007-09:						
Disability	*	*	3	*	*	3
ELL	*	*	51	3.6	(2.1)	51
Black	*	*	17	3.5	(2.5)	17
Hispanic	2.9	(1.8)	49	3.5	(2.0)	49
Low-income	*	*	53	3.9	(2.2)	53



**Table 1. Elementary School Value Added**

School	Math			Reading		
	VA	Std. Err.	N	VA	Std. Err.	N
<b>140 Olson Elementary</b>						
Nov. 2007-Nov. 2009	0.8	(1.9)	87	-1.8	(2.1)	87
Subgroups, 2007-09:						
Disability	2.8	(4.0)	9	-1.4	(3.8)	9
ELL	*	*	4	*	*	4
Black	*	*	25	-1.2	(2.5)	25
Hispanic	*	*	5	*	*	5
Low-income	*	*	33	-1.7	(2.5)	33
<b>615 Orchard Ridge Elementary</b>						
Nov. 2005-Nov. 2007	-0.7	(1.3)	247	-1.0	(1.4)	245
Nov. 2006-Nov. 2008	1.9	(1.3)	244	-0.9	(1.4)	243
Nov. 2007-Nov. 2009	-1.4	(1.4)	228	-2.2	(1.5)	229
Subgroups, 2007-09:						
Disability	-1.9	(2.7)	46	-3.1	(2.7)	46
ELL	*	*	17	-2.0	(2.1)	16
Black	*	*	84	-1.7	(1.9)	84
Hispanic	-1.2	(1.7)	16	-2.0	(1.6)	15
Low-income	*	*	130	-1.6	(1.7)	129
<b>645 Randall Elementary</b>						
Nov. 2005-Nov. 2007	0.8	(0.9)	627	3.3	(0.9)	626
Nov. 2006-Nov. 2008	0.9	(0.9)	610	3.9	(1.0)	606
Nov. 2007-Nov. 2009	1.8	(0.9)	634	4.4	(1.0)	631
Subgroups, 2007-09:						
Disability	5.0	(2.2)	90	4.8	(2.3)	89
ELL	*	*	87	3.9	(1.6)	84
Black	*	*	71	4.4	(1.9)	71
Hispanic	1.6	(1.3)	51	4.4	(1.2)	50
Low-income	*	*	164	4.1	(1.6)	161
<b>40 Sandburg Elementary</b>						
Nov. 2005-Nov. 2007	-1.8	(1.3)	258	-0.5	(1.4)	257
Nov. 2006-Nov. 2008	-2.4	(1.3)	264	-1.1	(1.4)	262
Nov. 2007-Nov. 2009	-3.2	(1.4)	251	-2.9	(1.5)	249
Subgroups, 2007-09:						
Disability	-4.6	(3.3)	25	-4.8	(3.2)	25
ELL	*	*	93	-2.4	(1.8)	91
Black	*	*	34	-3.3	(2.2)	34
Hispanic	-3.3	(1.5)	79	-2.7	(1.5)	77
Low-income	*	*	147	-2.8	(1.7)	145

**Table 1. Elementary School Value Added**

School	Math			Reading		
	VA	Std. Err.	N	VA	Std. Err.	N
<b>300 Schenk Elementary</b>						
Nov. 2005-Nov. 2007	-0.4	(1.2)	299	-1.9	(1.3)	298
Nov. 2006-Nov. 2008	-1.4	(1.2)	301	-1.6	(1.3)	302
Nov. 2007-Nov. 2009	-3.5	(1.2)	307	-0.9	(1.4)	306
Subgroups, 2007-09:						
Disability	-1.2	(3.0)	38	-3.8	(2.9)	38
ELL	*	*	51	-2.2	(1.9)	49
Black	*	*	82	0.2	(1.9)	83
Hispanic	-3.4	(1.5)	39	-0.9	(1.5)	37
Low-income	*	*	182	-0.8	(1.5)	181
<b>735 Shorewood Hills Elementary</b>						
Nov. 2005-Nov. 2007	4.9	(1.2)	330	3.0	(1.3)	323
Nov. 2006-Nov. 2008	5.1	(1.2)	304	4.6	(1.4)	292
Nov. 2007-Nov. 2009	3.5	(1.3)	289	4.1	(1.4)	282
Subgroups, 2007-09:						
Disability	4.1	(3.1)	34	5.6	(3.0)	34
ELL	*	*	70	4.9	(1.9)	62
Black	*	*	15	4.0	(2.4)	15
Hispanic	3.4	(1.6)	12	4.2	(1.6)	12
Low-income	*	*	57	4.7	(2.1)	55
<b>270 Stephens Elementary</b>						
Nov. 2005-Nov. 2007	0.2	(1.1)	410	-1.9	(1.1)	408
Nov. 2006-Nov. 2008	-0.3	(1.1)	419	-2.0	(1.2)	413
Nov. 2007-Nov. 2009	-1.9	(1.1)	392	-0.7	(1.2)	388
Subgroups, 2007-09:						
Disability	-6.9	(2.6)	57	-1.2	(2.7)	56
ELL	*	*	58	-0.6	(1.8)	55
Black	*	*	51	0.1	(2.0)	51
Hispanic	-2.4	(1.5)	25	-0.7	(1.4)	25
Low-income	*	*	94	-0.4	(1.8)	93
<b>780 Thoreau Elementary</b>						
Nov. 2005-Nov. 2007	0.4	(1.2)	335	-0.5	(1.2)	336
Nov. 2006-Nov. 2008	-0.3	(1.2)	331	0.7	(1.3)	331
Nov. 2007-Nov. 2009	-0.9	(1.2)	339	0.3	(1.3)	339
Subgroups, 2007-09:						
Disability	-1.4	(2.8)	48	-3.5	(2.8)	48
ELL	*	*	41	0.4	(1.9)	41
Black	*	*	81	-1.0	(1.9)	81
Hispanic	-1.0	(1.5)	35	0.3	(1.4)	35
Low-income	*	*	152	-1.4	(1.6)	152

**Table 1. Elementary School Value Added**

School	Math			Reading		
	VA	Std. Err.	N	VA	Std. Err.	N
795 Van Hise Elementary						
Nov. 2005-Nov. 2007	-2.7	(1.3)	244	-1.1	(1.4)	243
Nov. 2006-Nov. 2008	0.6	(1.3)	268	-2.4	(1.4)	267
Nov. 2007-Nov. 2009	2.6	(1.2)	315	0.1	(1.3)	315
Subgroups, 2007-09:						
Disability	2.5	(3.2)	27	-2.1	(3.2)	27
ELL	*	*	47	0.6	(1.9)	47
Black	*	*	21	-0.4	(2.3)	21
Hispanic	2.6	(1.6)	14	0.2	(1.5)	14
Low-income	*	*	60	0.2	(2.0)	60

**Table 2. Middle School Value Added**

School	Math			Reading		
	VA	Std. Err.	N	VA	Std. Err.	N
<b>690 Black Hawk Middle</b>						
Nov. 2005-Nov. 2007	-0.9	(0.8)	439	-1.1	(0.8)	443
Nov. 2006-Nov. 2008	0.3	(0.8)	429	1.2	(1.0)	427
Nov. 2007-Nov. 2009	2.8	(1.0)	446	0.0	(0.9)	444
Subgroups, 2007-09:						
Disability	0.2	(2.3)	82	-4.8	(2.1)	82
ELL	4.8	(2.1)	94	0.8	(1.6)	92
Black	2.6	(1.8)	91	-0.2	(1.6)	90
Hispanic	4.0	(2.6)	53	0.0	(1.4)	52
Low-income	3.3	(1.3)	229	*	*	227
<b>90 Cherokee Heights Middle</b>						
Nov. 2005-Nov. 2007	1.3	(0.8)	552	-0.7	(0.8)	568
Nov. 2006-Nov. 2008	0.3	(0.7)	658	-1.0	(0.8)	658
Nov. 2007-Nov. 2009	-0.3	(0.8)	680	-1.6	(0.8)	673
Subgroups, 2007-09:						
Disability	6.7	(2.1)	107	-0.9	(1.9)	107
ELL	-4.6	(1.7)	150	-1.5	(1.5)	143
Black	2.1	(1.5)	149	-3.0	(1.4)	148
Hispanic	-5.6	(1.8)	129	-1.9	(1.2)	123
Low-income	-0.2	(1.1)	325	*	*	320
<b>810 Hamilton Middle</b>						
Nov. 2005-Nov. 2007	0.0	(0.6)	872	0.5	(0.7)	872
Nov. 2006-Nov. 2008	-0.1	(0.6)	922	2.1	(0.8)	916
Nov. 2007-Nov. 2009	-0.8	(0.8)	906	1.8	(0.8)	902
Subgroups, 2007-09:						
Disability	-5.0	(2.3)	84	3.1	(2.1)	84
ELL	1.1	(2.3)	78	0.6	(1.7)	73
Black	-2.8	(2.1)	49	3.7	(1.9)	49
Hispanic	-1.1	(3.0)	36	1.3	(1.4)	37
Low-income	-2.0	(1.5)	137	*	*	137
<b>440 James Wright Middle</b>						
Nov. 2005-Nov. 2007	0.5	(0.9)	295	1.0	(0.9)	294
Nov. 2006-Nov. 2008	-0.1	(0.8)	322	0.2	(1.1)	309
Nov. 2007-Nov. 2009	-2.0	(1.2)	315	-0.7	(1.0)	308
Subgroups, 2007-09:						
Disability	-1.3	(2.4)	73	0.1	(2.2)	66
ELL	-4.4	(1.8)	123	-0.4	(1.4)	123
Black	-1.2	(1.7)	105	-1.1	(1.5)	102
Hispanic	-3.9	(2.0)	103	-0.2	(1.3)	103
Low-income	-1.7	(1.2)	265	*	*	260

**Table 2. Middle School Value Added**

School	Math			Reading		
	VA	Std. Err.	N	VA	Std. Err.	N
<b>370 Jefferson Middle</b>						
Nov. 2005-Nov. 2007	-0.3	(0.8)	528	-0.7	(0.8)	534
Nov. 2006-Nov. 2008	-0.8	(0.7)	498	0.4	(0.9)	497
Nov. 2007-Nov. 2009	-0.4	(0.9)	540	1.1	(0.9)	537
Subgroups, 2007-09:						
Disability	0.8	(2.5)	69	-1.3	(2.2)	69
ELL	-0.1	(2.4)	60	2.2	(1.8)	57
Black	-1.0	(2.0)	60	0.5	(1.8)	60
Hispanic	-1.8	(3.0)	37	1.1	(1.5)	37
Low-income	-1.2	(1.6)	127	*	*	126
<b>540 O'Keefe Middle</b>						
Nov. 2005-Nov. 2007	1.5	(0.8)	460	0.6	(0.8)	460
Nov. 2006-Nov. 2008	0.9	(0.7)	507	-1.7	(0.9)	506
Nov. 2007-Nov. 2009	1.8	(0.9)	527	0.5	(0.9)	526
Subgroups, 2007-09:						
Disability	-5.9	(2.2)	90	1.6	(2.0)	90
ELL	-3.0	(2.5)	54	-1.3	(1.8)	53
Black	0.8	(1.8)	84	2.0	(1.7)	83
Hispanic	-2.1	(2.8)	41	0.3	(1.4)	41
Low-income	-0.7	(1.3)	202	*	*	201
<b>665 Sennett Middle</b>						
Nov. 2005-Nov. 2007	-0.2	(0.7)	704	0.9	(0.7)	713
Nov. 2006-Nov. 2008	-1.4	(0.7)	750	-1.3	(0.8)	744
Nov. 2007-Nov. 2009	0.7	(0.8)	765	-1.5	(0.8)	761
Subgroups, 2007-09:						
Disability	-2.1	(1.7)	152	0.4	(1.7)	151
ELL	4.4	(1.6)	167	-0.9	(1.4)	166
Black	-1.6	(1.6)	137	-1.5	(1.5)	135
Hispanic	5.0	(1.7)	150	-1.0	(1.2)	149
Low-income	0.7	(1.0)	374	*	*	370
<b>710 Sherman Middle</b>						
Nov. 2005-Nov. 2007	-0.6	(0.7)	588	-0.2	(0.8)	594
Nov. 2006-Nov. 2008	0.1	(0.7)	519	0.7	(0.9)	517
Nov. 2007-Nov. 2009	1.3	(1.0)	460	0.7	(0.9)	459
Subgroups, 2007-09:						
Disability	3.4	(2.4)	75	-0.2	(2.2)	75
ELL	0.6	(1.8)	130	0.1	(1.5)	130
Black	2.3	(1.6)	134	1.3	(1.5)	133
Hispanic	3.2	(2.3)	74	0.7	(1.4)	74
Low-income	1.6	(1.2)	285	*	*	285

**Table 2. Middle School Value Added**

School	Math			Reading		
	VA	Std. Err.	N	VA	Std. Err.	N
<b>850 Spring Harbor Middle</b>						
Nov. 2005-Nov. 2007	1.3	(0.9)	322	0.9	(0.9)	321
Nov. 2006-Nov. 2008	1.2	(0.8)	340	0.6	(1.0)	338
Nov. 2007-Nov. 2009	3.6	(1.1)	344	1.3	(1.0)	342
Subgroups, 2007-09:						
Disability	7.2	(2.9)	45	1.7	(2.5)	45
ELL	4.0	(2.9)	37	0.8	(1.9)	36
Black	4.1	(2.1)	51	1.6	(1.8)	50
Hispanic	4.0	(3.3)	23	0.9	(1.5)	23
Low-income	4.2	(1.7)	101	*	*	101
<b>620 Toki Middle</b>						
Nov. 2005-Nov. 2007	-1.3	(0.7)	716	-0.9	(0.7)	713
Nov. 2006-Nov. 2008	0.2	(0.7)	707	-1.1	(0.8)	703
Nov. 2007-Nov. 2009	-4.9	(0.9)	664	-1.0	(0.8)	659
Subgroups, 2007-09:						
Disability	-3.6	(1.8)	148	1.0	(1.7)	145
ELL	-3.7	(2.2)	88	-0.7	(1.7)	86
Black	-3.9	(1.4)	180	-1.4	(1.4)	177
Hispanic	-1.1	(2.4)	69	-1.1	(1.4)	68
Low-income	-4.9	(1.2)	285	*	*	281
<b>315 Whitehorse Middle</b>						
Nov. 2005-Nov. 2007	0.0	(0.8)	503	0.2	(0.8)	503
Nov. 2006-Nov. 2008	0.5	(0.7)	556	-0.1	(0.9)	556
Nov. 2007-Nov. 2009	0.8	(0.9)	572	-0.4	(0.9)	573
Subgroups, 2007-09:						
Disability	3.5	(2.3)	86	-2.3	(2.1)	87
ELL	3.4	(2.3)	70	0.0	(1.7)	70
Black	-0.9	(1.7)	104	-0.9	(1.6)	104
Hispanic	0.7	(2.5)	60	-0.2	(1.4)	60
Low-income	1.8	(1.3)	238	*	*	238

### Tables 3, 4, 5, and 6: Value Added By Grade

Tables 3, 4, 5, and 6 present value added at the grade level. Like the case of school-level value added, these reflect three overlapping two-year growth periods: November 2005 to November 2007, November 2006 to November 2008, and November 2007 to November 2009. It also presents results for the November 2007 to November 2009 period for five subgroups: students with disabilities, English language learners, black students, Hispanic students, and students who receive free or reduced-price lunches.

The results in Tables 3, 4, 5, and 6 are broken down by grade. For example, a school's value added for grade 3 for the November 2007 to November 2009 period is based on the growth of students at that school progressing from grade 3 to grade 4 from either November 2007 to November 2008 or November 2008 to November 2009. If that value-added measure is -2, then students progressing from grade 3 to grade 4 at that school scored 2 points lower on the WKCE than observationally similar students progressing from grade 3 to grade 4 across the district.

**VA** is the value added of the school, and is equal to the number of extra points students at that school scored on the WKCE relative to observationally similar students at other schools. **Std. Err.** is the standard error of value added, and **N** is the number of students used to measure value added.

**Table 3. Elementary School Math Value Added By Grade**

School	Grade 3 Math			Grade 4 Math			Grade 5 Math		
	VA	Std. Err.	N	VA	Std. Err.	N	VA	Std. Err.	N
<b>225 Allis Elementary</b>									
Nov. 2005-Nov. 2007	-6.3	(2.2)	139	-1.9	(2.0)	133	0.2	(2.1)	115
Nov. 2006-Nov. 2008	-11.5	(2.5)	124	1.9	(1.8)	146	0.2	(1.8)	139
Nov. 2007-Nov. 2009	-3.4	(2.2)	118	2.5	(2.2)	131	-1.0	(1.7)	137
Subgroups, 2007-09:									
Disability	-3.9	(6.0)	15	2.1	(3.3)	22	-1.0	(3.8)	28
ELL	*	*	31	6.3	(3.4)	48	-2.6	(2.5)	48
Black	*	*	31	*	*	36	*	*	29
Hispanic	-3.2	(2.5)	24	6.3	(3.8)	39	-5.1	(3.0)	47
Low-income	-4.1	(2.7)	72	2.7	(2.2)	90	*	*	89
<b>110 Cesar Chavez Elementary</b>									
Nov. 2005-Nov. 2007	-0.9	(2.0)	170	-1.5	(1.8)	169	1.5	(2.0)	133
Nov. 2006-Nov. 2008	-2.8	(2.1)	184	-0.5	(1.7)	167	2.0	(1.7)	149
Nov. 2007-Nov. 2009	-0.9	(1.9)	190	0.6	(2.0)	162	2.7	(1.7)	141
Subgroups, 2007-09:									
Disability	-12.3	(6.1)	15	-0.3	(3.3)	17	6.4	(4.4)	20
ELL	*	*	31	1.7	(4.2)	25	1.0	(3.2)	18
Black	*	*	24	*	*	19	*	*	20
Hispanic	-1.2	(2.3)	26	1.8	(4.2)	30	1.5	(4.3)	19
Low-income	-1.3	(3.4)	45	0.5	(2.3)	45	*	*	42
<b>105 Crestwood Elementary</b>									
Nov. 2005-Nov. 2007	-1.4	(2.4)	120	-3.5	(2.2)	110	-0.6	(2.1)	106
Nov. 2006-Nov. 2008	-4.2	(2.5)	122	-1.7	(1.9)	111	-0.9	(2.0)	99
Nov. 2007-Nov. 2009	-4.1	(2.2)	112	-4.6	(2.3)	99	-0.2	(1.9)	89
Subgroups, 2007-09:									
Disability	-6.0	(7.0)	9	-5.4	(3.5)	14	-0.8	(5.0)	13
ELL	*	*	19	*	*	3	*	*	1
Black	*	*	11	*	*	9	*	*	13
Hispanic	-4.0	(2.6)	12	3.4	(6.3)	6	*	*	0
Low-income	-4.2	(3.8)	28	-4.7	(2.7)	20	*	*	16
<b>165 Elvehjem Elementary</b>									
Nov. 2005-Nov. 2007	5.7	(2.3)	126	2.0	(2.1)	120	0.9	(2.0)	133
Nov. 2006-Nov. 2008	8.1	(2.6)	113	1.9	(1.9)	122	-0.3	(1.9)	115
Nov. 2007-Nov. 2009	-0.5	(2.3)	101	-0.9	(2.3)	115	-1.6	(1.8)	117
Subgroups, 2007-09:									
Disability	-8.1	(5.3)	20	-0.3	(3.4)	17	0.8	(4.8)	15
ELL	*	*	7	*	*	3	*	*	3
Black	*	*	13	*	*	14	*	*	9
Hispanic	*	*	4	*	*	4	*	*	4
Low-income	-4.1	(4.0)	22	-0.6	(2.5)	31	*	*	28



**Table 3. Elementary School Math Value Added By Grade**

School	Grade 3 Math			Grade 4 Math			Grade 5 Math		
	VA	Std. Err.	N	VA	Std. Err.	N	VA	Std. Err.	N
<b>180 Emerson Elementary</b>									
Nov. 2005-Nov. 2007	-4.1	(2.8)	77	0.1	(2.5)	76	0.5	(2.4)	74
Nov. 2006-Nov. 2008	-1.0	(2.9)	83	-0.4	(2.0)	90	2.2	(2.1)	82
Nov. 2007-Nov. 2009	1.1	(2.4)	86	0.8	(2.4)	96	4.8	(2.0)	86
Subgroups, 2007-09:									
Disability	2.6	(5.8)	16	1.5	(3.4)	20	14.7	(4.0)	24
ELL	*	*	13	1.1	(5.2)	11	3.9	(3.5)	11
Black	*	*	20	*	*	25	*	*	26
Hispanic	1.3	(2.8)	10	2.5	(5.6)	11	0.6	(5.1)	9
Low-income	2.0	(2.8)	56	0.8	(2.4)	66	*	*	51
<b>210 Falk Elementary</b>									
Nov. 2005-Nov. 2007	-6.3	(2.6)	95	-0.7	(2.3)	89	0.7	(2.2)	94
Nov. 2006-Nov. 2008	-2.7	(2.8)	88	-1.0	(2.0)	88	-0.5	(2.1)	89
Nov. 2007-Nov. 2009	-1.4	(2.5)	78	-0.8	(2.5)	80	0.5	(2.0)	78
Subgroups, 2007-09:									
Disability	3.4	(7.4)	7	-0.5	(3.5)	16	9.1	(4.7)	15
ELL	*	*	14	-1.0	(5.4)	9	-0.1	(3.5)	10
Black	*	*	27	*	*	30	*	*	32
Hispanic	-1.3	(2.8)	7	-2.5	(6.1)	7	-3.1	(5.2)	8
Low-income	-1.3	(3.0)	46	-0.8	(2.6)	50	*	*	47
<b>255 Glendale Elementary</b>									
Nov. 2005-Nov. 2007	1.8	(2.7)	82	6.9	(2.3)	91	-8.2	(2.2)	99
Nov. 2006-Nov. 2008	3.1	(2.7)	105	0.6	(2.0)	86	-5.9	(2.0)	103
Nov. 2007-Nov. 2009	0.4	(2.2)	112	3.0	(2.3)	106	2.3	(1.9)	95
Subgroups, 2007-09:									
Disability	-9.3	(6.1)	14	3.4	(3.4)	16	4.8	(3.7)	28
ELL	*	*	43	2.1	(3.5)	41	1.6	(2.7)	38
Black	*	*	28	*	*	34	*	*	32
Hispanic	0.7	(2.5)	34	2.0	(4.1)	30	2.4	(3.8)	24
Low-income	1.5	(2.5)	82	3.2	(2.3)	84	*	*	71
<b>675 Gompers Elementary</b>									
Nov. 2005-Nov. 2007	-2.7	(2.6)	90	4.0	(2.4)	88	-3.8	(2.4)	72
Nov. 2006-Nov. 2008	3.0	(3.0)	76	2.1	(2.0)	92	-3.9	(2.1)	82
Nov. 2007-Nov. 2009	2.8	(2.7)	51	-0.4	(2.5)	77	-1.1	(2.0)	88
Subgroups, 2007-09:									
Disability	11.3	(6.3)	11	0.3	(3.8)	7	-3.4	(5.1)	12
ELL	*	*	7	4.0	(5.1)	12	-2.2	(3.4)	14
Black	*	*	13	*	*	16	*	*	12
Hispanic	*	*	3	-0.6	(6.1)	7	-4.3	(5.2)	9
Low-income	3.4	(3.9)	20	-0.3	(2.7)	27	*	*	30

**Table 3. Elementary School Math Value Added By Grade**

School	Grade 3 Math			Grade 4 Math			Grade 5 Math		
	VA	Std. Err.	N	VA	Std. Err.	N	VA	Std. Err.	N
<b>48 Hawthorne Elementary</b>									
Nov. 2005-Nov. 2007	-1.8	(2.5)	98	2.2	(2.5)	77	-5.4	(2.3)	85
Nov. 2006-Nov. 2008	-2.9	(2.7)	103	3.1	(2.0)	93	-7.3	(2.1)	87
Nov. 2007-Nov. 2009	-2.9	(2.4)	96	4.4	(2.3)	102	-2.1	(1.9)	99
Subgroups, 2007-09:									
Disability	-7.6	(7.4)	7	3.9	(3.6)	13	-3.9	(4.5)	18
ELL	*	*	36	4.6	(3.7)	36	-1.4	(2.7)	36
Black	*	*	26	*	*	28	*	*	23
Hispanic	-2.9	(2.7)	15	7.9	(4.8)	20	-0.4	(4.4)	16
Low-income	-2.9	(2.8)	61	4.5	(2.4)	67	*	*	62
<b>660 Huegel Elementary</b>									
Nov. 2005-Nov. 2007	0.7	(2.2)	138	-5.2	(2.0)	132	0.6	(2.1)	115
Nov. 2006-Nov. 2008	-3.1	(2.4)	131	-3.2	(1.8)	138	1.1	(1.8)	128
Nov. 2007-Nov. 2009	-2.6	(2.1)	129	-3.4	(2.2)	128	0.0	(1.8)	124
Subgroups, 2007-09:									
Disability	-10.7	(5.6)	18	-3.6	(3.4)	15	-7.2	(4.5)	18
ELL	*	*	13	2.1	(4.6)	19	0.4	(3.4)	14
Black	*	*	27	*	*	27	*	*	27
Hispanic	-2.6	(2.5)	14	-1.1	(5.2)	15	1.7	(5.3)	9
Low-income	-3.8	(3.1)	50	-3.3	(2.4)	50	*	*	53
<b>375 Kennedy Elementary</b>									
Nov. 2005-Nov. 2007	0.8	(2.1)	156	-3.0	(1.9)	160	0.5	(1.9)	148
Nov. 2006-Nov. 2008	3.4	(2.3)	151	-0.8	(1.8)	151	0.3	(1.7)	163
Nov. 2007-Nov. 2009	-0.1	(2.0)	161	0.2	(2.1)	140	-0.9	(1.7)	158
Subgroups, 2007-09:									
Disability	3.2	(5.7)	18	-1.3	(3.4)	18	0.6	(4.2)	24
ELL	*	*	5	*	*	4	*	*	5
Black	*	*	22	*	*	16	*	*	17
Hispanic	*	*	4	*	*	4	*	*	3
Low-income	1.0	(3.5)	38	0.3	(2.4)	33	*	*	39
<b>435 Lake View Elementary</b>									
Nov. 2005-Nov. 2007	1.8	(2.8)	77	-2.1	(2.5)	74	-4.2	(2.5)	65
Nov. 2006-Nov. 2008	0.6	(3.0)	77	-0.8	(2.1)	73	-2.2	(2.2)	74
Nov. 2007-Nov. 2009	3.9	(2.5)	80	0.9	(2.6)	70	-2.6	(2.1)	65
Subgroups, 2007-09:									
Disability	2.0	(6.5)	11	2.1	(3.6)	13	-5.0	(4.5)	16
ELL	*	*	19	1.5	(4.6)	18	-2.8	(3.2)	17
Black	*	*	27	*	*	20	*	*	16
Hispanic	3.8	(2.8)	7	-3.1	(5.8)	9	-0.8	(5.2)	8
Low-income	0.7	(3.1)	46	1.0	(2.7)	44	*	*	47

**Table 3. Elementary School Math Value Added By Grade**

School	Grade 3 Math			Grade 4 Math			Grade 5 Math		
	VA	Std. Err.	N	VA	Std. Err.	N	VA	Std. Err.	N
<b>475 Leopold Elementary</b>									
Nov. 2005-Nov. 2007	-4.4	(2.0)	173	-1.8	(1.8)	181	4.5	(1.7)	206
Nov. 2006-Nov. 2008	-0.5	(2.1)	175	-0.9	(1.7)	183	3.6	(1.6)	189
Nov. 2007-Nov. 2009	2.9	(1.8)	201	2.2	(1.9)	179	0.3	(1.6)	166
Subgroups, 2007-09:									
Disability	-2.9	(5.7)	18	0.2	(3.3)	18	-1.6	(4.6)	18
ELL	*	*	66	-2.8	(3.5)	47	1.6	(2.8)	34
Black	*	*	58	*	*	56	*	*	52
Hispanic	3.6	(2.1)	55	-3.9	(3.6)	45	4.9	(3.6)	32
Low-income	2.3	(2.2)	133	2.1	(2.0)	111	*	*	96
<b>15 Lincoln Elementary</b>									
Nov. 2005-Nov. 2007	4.9	(2.0)	185	5.9	(1.8)	181	3.3	(1.7)	187
Nov. 2006-Nov. 2008	1.6	(2.0)	207	1.5	(1.6)	194	2.0	(1.6)	180
Nov. 2007-Nov. 2009	-1.1	(1.9)	190	0.2	(1.8)	197	-1.1	(1.6)	185
Subgroups, 2007-09:									
Disability	6.5	(5.3)	22	-0.4	(3.1)	26	-1.5	(3.6)	35
ELL	*	*	96	-5.1	(2.9)	72	-0.6	(2.3)	68
Black	*	*	36	*	*	47	*	*	44
Hispanic	-1.2	(2.1)	68	-5.3	(3.2)	60	0.6	(2.9)	54
Low-income	-0.3	(2.2)	135	-0.1	(1.9)	121	*	*	121
<b>65 Lindbergh Elementary</b>									
Nov. 2005-Nov. 2007	0.7	(2.9)	65	-5.5	(2.5)	73	2.0	(2.5)	70
Nov. 2006-Nov. 2008	1.2	(3.1)	73	-1.2	(2.1)	73	1.4	(2.1)	83
Nov. 2007-Nov. 2009	2.1	(2.6)	71	-0.8	(2.6)	70	-0.7	(2.0)	76
Subgroups, 2007-09:									
Disability	*	*	3	0.2	(3.7)	10	-0.3	(5.6)	8
ELL	*	*	29	1.6	(4.0)	26	-0.5	(2.8)	29
Black	*	*	10	*	*	12	*	*	17
Hispanic	2.2	(2.9)	11	0.4	(6.3)	6	-2.3	(5.2)	8
Low-income	1.8	(2.9)	51	-0.4	(2.7)	47	*	*	49
<b>495 Lowell Elementary</b>									
Nov. 2005-Nov. 2007	-8.1	(2.9)	65	4.8	(2.5)	72	-1.1	(2.5)	67
Nov. 2006-Nov. 2008	-11.8	(3.0)	74	2.3	(2.1)	64	-3.4	(2.3)	63
Nov. 2007-Nov. 2009	-4.8	(2.5)	72	-0.5	(2.6)	65	-4.0	(2.1)	59
Subgroups, 2007-09:									
Disability	-1.7	(7.7)	6	-0.6	(3.9)	6	*	*	4
ELL	*	*	14	4.1	(4.8)	15	-5.2	(3.7)	7
Black	*	*	21	*	*	12	*	*	14
Hispanic	-5.0	(2.8)	11	0.2	(5.7)	10	*	*	5
Low-income	-7.5	(3.3)	37	-0.3	(2.8)	33	*	*	28

**Table 3. Elementary School Math Value Added By Grade**

School	Grade 3 Math			Grade 4 Math			Grade 5 Math		
	VA	Std. Err.	N	VA	Std. Err.	N	VA	Std. Err.	N
<b>525 Marquette Elementary</b>									
Nov. 2005-Nov. 2007	-0.8	(2.3)	124	3.7	(1.9)	150	5.0	(1.9)	154
Nov. 2006-Nov. 2008	-0.4	(2.5)	127	3.1	(1.9)	125	3.4	(1.8)	151
Nov. 2007-Nov. 2009	-2.2	(2.1)	135	5.5	(2.2)	129	3.8	(1.8)	128
Subgroups, 2007-09:									
Disability	-7.5	(5.6)	19	4.0	(3.2)	25	10.4	(4.4)	20
ELL	*	*	4	*	*	4	*	*	3
Black	*	*	13	*	*	14	*	*	10
Hispanic	-2.0	(2.6)	6	*	*	5	*	*	4
Low-income	-2.1	(3.7)	34	5.1	(2.4)	37	*	*	27
<b>555 Mendota Elementary</b>									
Nov. 2005-Nov. 2007	-2.8	(2.7)	80	0.2	(2.7)	59	-2.6	(2.6)	54
Nov. 2006-Nov. 2008	-1.4	(2.9)	81	0.5	(2.1)	71	-0.1	(2.4)	49
Nov. 2007-Nov. 2009	-0.8	(2.6)	70	0.9	(2.6)	69	-0.9	(2.1)	60
Subgroups, 2007-09:									
Disability	1.5	(5.6)	16	1.3	(3.7)	10	0.3	(5.4)	9
ELL	*	*	3	1.6	(5.8)	6	*	*	3
Black	*	*	37	*	*	35	*	*	34
Hispanic	-0.5	(2.9)	6	1.4	(6.3)	6	*	*	5
Low-income	0.1	(3.0)	46	1.0	(2.7)	45	*	*	42
<b>390 Muir Elementary</b>									
Nov. 2005-Nov. 2007	-3.9	(2.3)	127	-1.0	(2.1)	123	2.6	(2.2)	99
Nov. 2006-Nov. 2008	0.1	(2.5)	121	-2.5	(1.8)	133	-1.5	(1.9)	126
Nov. 2007-Nov. 2009	1.7	(2.2)	125	-1.7	(2.2)	128	-1.0	(1.7)	132
Subgroups, 2007-09:									
Disability	4.9	(5.5)	19	-1.0	(3.2)	24	0.3	(3.9)	28
ELL	*	*	18	-6.0	(4.7)	18	1.0	(3.2)	20
Black	*	*	20	*	*	22	*	*	11
Hispanic	1.7	(2.6)	10	-6.3	(5.3)	14	3.2	(4.3)	19
Low-income	2.9	(3.2)	46	-2.2	(2.4)	43	*	*	36
<b>125 Nuestro Mundo Community</b>									
Nov. 2006-Nov. 2008	1.8	(3.7)	40						
Nov. 2007-Nov. 2009	0.1	(2.5)	82	5.4	(3.0)	40			
Subgroups, 2007-09:									
Disability	*	*	2	*	*	1			
ELL	*	*	39	10.3	(4.8)	12			
Black	*	*	9	*	*	8			
Hispanic	0.3	(2.6)	37	11.3	(5.1)	12			
Low-income	1.9	(3.4)	37	5.7	(3.1)	16			

**Table 3. Elementary School Math Value Added By Grade**

School	Grade 3 Math			Grade 4 Math			Grade 5 Math		
	VA	Std. Err.	N	VA	Std. Err.	N	VA	Std. Err.	N
<b>140 Olson Elementary</b>									
Nov. 2007-Nov. 2009	-0.6	(3.0)	33	1.8	(2.8)	43	0.5	(2.6)	11
Subgroups, 2007-09:									
Disability	*	*	2	2.8	(3.9)	7	*	*	0
ELL	*	*	1	*	*	3	*	*	0
Black	*	*	10	*	*	11	*	*	4
Hispanic	*	*	1	*	*	3	*	*	1
Low-income	-0.8	(4.0)	14	1.2	(3.0)	14	*	*	5
<b>615 Orchard Ridge Elementary</b>									
Nov. 2005-Nov. 2007	2.3	(2.6)	90	-2.3	(2.4)	81	-1.9	(2.4)	76
Nov. 2006-Nov. 2008	4.5	(3.0)	76	1.2	(2.0)	83	-0.3	(2.1)	85
Nov. 2007-Nov. 2009	3.5	(2.6)	68	-7.2	(2.5)	75	0.2	(2.0)	85
Subgroups, 2007-09:									
Disability	10.2	(6.3)	12	-7.5	(3.5)	16	-3.8	(4.4)	18
ELL	*	*	4	-7.4	(5.8)	6	2.2	(3.7)	7
Black	*	*	26	*	*	29	*	*	29
Hispanic	*	*	3	*	*	5	5.4	(5.2)	8
Low-income	2.6	(3.2)	39	-7.3	(2.6)	45	*	*	46
<b>645 Randall Elementary</b>									
Nov. 2005-Nov. 2007	6.9	(1.9)	193	-0.1	(1.7)	214	-3.6	(1.6)	220
Nov. 2006-Nov. 2008	3.1	(2.1)	194	0.0	(1.6)	197	-0.1	(1.5)	219
Nov. 2007-Nov. 2009	3.7	(1.8)	219	0.7	(1.8)	207	0.2	(1.5)	208
Subgroups, 2007-09:									
Disability	10.8	(5.0)	26	0.8	(3.1)	24	2.7	(3.4)	40
ELL	*	*	34	3.2	(4.3)	26	-3.2	(3.0)	27
Black	*	*	27	*	*	23	*	*	21
Hispanic	3.7	(2.2)	17	5.1	(5.1)	18	-9.2	(4.6)	16
Low-income	7.2	(3.0)	62	0.7	(2.2)	49	*	*	53
<b>40 Sandburg Elementary</b>									
Nov. 2005-Nov. 2007	2.6	(2.6)	90	-4.2	(2.4)	79	-3.3	(2.3)	89
Nov. 2006-Nov. 2008	-4.5	(2.8)	92	-1.6	(2.0)	93	0.0	(2.1)	79
Nov. 2007-Nov. 2009	-5.6	(2.4)	83	-2.1	(2.4)	92	0.3	(2.0)	76
Subgroups, 2007-09:									
Disability	-12.5	(6.8)	10	-1.8	(3.7)	9	2.6	(6.0)	6
ELL	*	*	30	-1.9	(3.6)	38	0.9	(2.9)	25
Black	*	*	10	*	*	11	*	*	13
Hispanic	-6.2	(2.7)	23	-1.6	(3.9)	34	3.4	(3.9)	22
Low-income	-8.4	(3.2)	42	-1.7	(2.5)	59	*	*	46

**Table 3. Elementary School Math Value Added By Grade**

School	Grade 3 Math			Grade 4 Math			Grade 5 Math		
	VA	Std. Err.	N	VA	Std. Err.	N	VA	Std. Err.	N
<b>300 Schenk Elementary</b>									
Nov. 2005-Nov. 2007	0.2	(2.5)	102	-5.3	(2.2)	102	4.1	(2.2)	95
Nov. 2006-Nov. 2008	2.8	(2.8)	92	-3.9	(1.9)	106	-0.3	(2.0)	103
Nov. 2007-Nov. 2009	0.0	(2.3)	98	-6.9	(2.3)	105	-1.4	(1.9)	104
Subgroups, 2007-09:									
Disability	16.8	(6.8)	10	-6.9	(3.4)	17	-7.7	(5.3)	11
ELL	*	*	22	-10.8	(5.1)	13	1.0	(3.3)	16
Black	*	*	25	*	*	31	*	*	26
Hispanic	0.0	(2.7)	13	-9.3	(5.6)	11	2.2	(4.5)	15
Low-income	2.3	(2.8)	61	-6.8	(2.4)	61	*	*	60
<b>735 Shorewood Hills Elementary</b>									
Nov. 2005-Nov. 2007	7.3	(2.5)	108	3.7	(2.2)	109	3.1	(2.1)	113
Nov. 2006-Nov. 2008	14.3	(2.8)	90	1.1	(2.0)	105	1.1	(2.0)	109
Nov. 2007-Nov. 2009	5.7	(2.4)	95	-0.2	(2.4)	93	2.4	(1.9)	101
Subgroups, 2007-09:									
Disability	7.4	(6.6)	11	1.1	(3.6)	13	-3.9	(5.4)	10
ELL	*	*	24	-1.4	(4.2)	26	3.4	(3.2)	20
Black	*	*	7	*	*	6	*	*	2
Hispanic	*	*	3	*	*	4	*	*	5
Low-income	8.1	(4.2)	20	-0.2	(2.7)	21	*	*	16
<b>270 Stephens Elementary</b>									
Nov. 2005-Nov. 2007	1.0	(2.2)	149	2.1	(2.0)	133	-2.6	(2.0)	128
Nov. 2006-Nov. 2008	0.7	(2.3)	146	0.1	(1.8)	145	-1.5	(1.9)	128
Nov. 2007-Nov. 2009	-2.0	(2.1)	132	-1.0	(2.2)	125	-1.6	(1.7)	135
Subgroups, 2007-09:									
Disability	-5.7	(5.4)	20	-3.4	(3.3)	21	-5.3	(4.8)	16
ELL	*	*	29	-1.8	(5.0)	14	0.0	(3.4)	15
Black	*	*	18	*	*	17	*	*	16
Hispanic	-2.7	(2.5)	12	-2.6	(6.1)	7	-0.1	(5.6)	6
Low-income	-2.6	(3.7)	32	-1.2	(2.5)	28	*	*	34
<b>780 Thoreau Elementary</b>									
Nov. 2005-Nov. 2007	2.0	(2.5)	99	0.9	(2.1)	114	-1.4	(2.0)	122
Nov. 2006-Nov. 2008	1.5	(2.6)	115	-1.4	(2.0)	99	-0.3	(1.9)	117
Nov. 2007-Nov. 2009	1.4	(2.2)	116	-1.2	(2.2)	117	-2.2	(1.9)	106
Subgroups, 2007-09:									
Disability	-2.3	(6.1)	14	1.5	(3.4)	18	-11.4	(4.7)	16
ELL	*	*	13	-2.7	(4.7)	17	-1.3	(3.5)	11
Black	*	*	30	*	*	23	*	*	28
Hispanic	1.1	(2.6)	11	-0.9	(5.2)	15	-4.0	(5.2)	9
Low-income	-0.7	(3.1)	52	-1.4	(2.4)	50	*	*	50

**Table 3. Elementary School Math Value Added By Grade**

School	Grade 3 Math			Grade 4 Math			Grade 5 Math		
	VA	Std. Err.	N	VA	Std. Err.	N	VA	Std. Err.	N
795 Van Hise Elementary									
Nov. 2005-Nov. 2007	-5.8	(2.7)	79	0.4	(2.4)	82	-2.3	(2.3)	83
Nov. 2006-Nov. 2008	-2.6	(2.8)	94	1.6	(2.0)	90	1.5	(2.1)	84
Nov. 2007-Nov. 2009	1.6	(2.2)	116	1.3	(2.3)	104	3.0	(1.9)	95
Subgroups, 2007-09:									
Disability	4.9	(7.5)	7	2.3	(3.8)	6	-2.7	(4.9)	14
ELL	*	*	16	3.2	(4.8)	17	2.9	(3.4)	14
Black	*	*	5	*	*	7	*	*	9
Hispanic	*	*	5	*	*	3	3.7	(5.6)	6
Low-income	1.1	(4.4)	17	1.9	(2.6)	23	*	*	20

**Table 4. Middle School Math Value Added By Grade**

School	Grade 6 Math			Grade 7 Math		
	VA	Std. Err.	N	VA	Std. Err.	N
<b>690 Black Hawk Middle</b>						
Nov. 2005-Nov. 2007	-1.8	(1.4)	212	-0.6	(1.4)	227
Nov. 2006-Nov. 2008	0.4	(1.5)	215	0.3	(1.4)	214
Nov. 2007-Nov. 2009	3.5	(1.4)	231	1.7	(1.7)	215
Subgroups, 2007-09:						
Disability	3.9	(2.8)	41	-3.9	(3.7)	41
ELL	5.9	(2.6)	50	2.3	(3.3)	44
Black	3.4	(1.6)	44	1.9	(2.4)	47
Hispanic	9.8	(3.6)	28	-3.5	(4.4)	25
Low-income	4.2	(1.7)	118	1.8	(2.1)	111
<b>90 Cherokee Heights Middle</b>						
Nov. 2005-Nov. 2007	-2.7	(1.3)	273	5.1	(1.3)	279
Nov. 2006-Nov. 2008	-1.4	(1.2)	346	1.8	(1.2)	312
Nov. 2007-Nov. 2009	-0.1	(1.2)	318	-0.4	(1.3)	362
Subgroups, 2007-09:						
Disability	4.4	(2.7)	47	6.9	(3.1)	60
ELL	-2.0	(2.3)	67	-5.9	(2.5)	83
Black	0.2	(1.4)	72	0.6	(2.1)	77
Hispanic	-3.0	(2.7)	58	-7.8	(2.8)	71
Low-income	0.3	(1.6)	145	-0.6	(1.7)	180
<b>810 Hamilton Middle</b>						
Nov. 2005-Nov. 2007	0.4	(1.1)	453	-0.5	(1.1)	419
Nov. 2006-Nov. 2008	0.3	(1.1)	453	-0.5	(1.1)	469
Nov. 2007-Nov. 2009	-2.4	(1.1)	442	0.8	(1.2)	464
Subgroups, 2007-09:						
Disability	-5.9	(2.9)	37	-2.6	(3.5)	47
ELL	-4.0	(2.8)	42	6.3	(3.5)	36
Black	-2.7	(1.4)	24	-0.1	(2.5)	25
Hispanic	-7.7	(4.1)	18	6.3	(4.9)	18
Low-income	-4.8	(2.0)	67	1.6	(2.4)	70
<b>440 James Wright Middle</b>						
Nov. 2005-Nov. 2007	1.3	(1.6)	151	0.2	(1.6)	144
Nov. 2006-Nov. 2008	1.8	(1.7)	165	-1.6	(1.5)	157
Nov. 2007-Nov. 2009	2.4	(1.6)	161	-6.6	(1.9)	154
Subgroups, 2007-09:						
Disability	3.2	(2.8)	41	-6.7	(4.0)	32
ELL	0.9	(2.2)	71	-8.9	(3.0)	52
Black	2.3	(1.7)	49	-6.2	(2.4)	56
Hispanic	-0.4	(2.7)	56	-7.3	(3.4)	47
Low-income	2.6	(1.7)	137	-6.6	(2.0)	128



**Table 4. Middle School Math Value Added By Grade**

School	Grade 6 Math			Grade 7 Math		
	VA	Std. Err.	N	VA	Std. Err.	N
<b>370 Jefferson Middle</b>						
Nov. 2005-Nov. 2007	-0.7	(1.4)	254	-0.2	(1.3)	274
Nov. 2006-Nov. 2008	-0.5	(1.4)	250	-1.7	(1.3)	248
Nov. 2007-Nov. 2009	0.3	(1.2)	294	-1.2	(1.6)	246
Subgroups, 2007-09:						
Disability	0.0	(2.8)	40	1.8	(4.2)	29
ELL	3.3	(2.8)	37	-5.5	(4.0)	23
Black	0.1	(1.5)	36	-1.2	(2.7)	24
Hispanic	3.1	(3.9)	22	-8.3	(5.2)	15
Low-income	0.4	(1.9)	73	-2.9	(2.6)	54
<b>540 O'Keefe Middle</b>						
Nov. 2005-Nov. 2007	5.9	(1.4)	223	-1.3	(1.3)	237
Nov. 2006-Nov. 2008	4.6	(1.4)	268	-1.4	(1.3)	239
Nov. 2007-Nov. 2009	3.7	(1.3)	269	-0.5	(1.5)	258
Subgroups, 2007-09:						
Disability	-0.5	(2.7)	47	-10.0	(3.6)	43
ELL	-0.7	(3.0)	29	-2.9	(3.9)	25
Black	3.6	(1.5)	44	-1.9	(2.5)	40
Hispanic	-2.7	(3.9)	21	-1.2	(4.7)	20
Low-income	2.8	(1.7)	111	-4.1	(2.2)	91
<b>665 Sennett Middle</b>						
Nov. 2005-Nov. 2007	-0.1	(1.2)	358	-0.5	(1.2)	346
Nov. 2006-Nov. 2008	-4.5	(1.2)	377	0.2	(1.1)	373
Nov. 2007-Nov. 2009	-0.9	(1.1)	371	2.3	(1.3)	394
Subgroups, 2007-09:						
Disability	-2.1	(2.3)	74	-1.6	(2.8)	78
ELL	1.3	(2.1)	84	6.6	(2.5)	83
Black	-1.2	(1.3)	73	0.6	(2.2)	64
Hispanic	1.5	(2.4)	74	8.3	(2.7)	76
Low-income	-0.8	(1.4)	189	2.2	(1.7)	185
<b>710 Sherman Middle</b>						
Nov. 2005-Nov. 2007	-2.5	(1.3)	286	0.7	(1.2)	302
Nov. 2006-Nov. 2008	-1.5	(1.4)	238	1.3	(1.3)	281
Nov. 2007-Nov. 2009	-0.4	(1.4)	223	2.9	(1.6)	237
Subgroups, 2007-09:						
Disability	-0.3	(3.0)	36	6.6	(3.8)	39
ELL	-1.0	(2.3)	66	2.4	(2.8)	64
Black	-0.5	(1.6)	63	3.6	(2.2)	71
Hispanic	3.5	(3.3)	34	2.7	(3.7)	40
Low-income	-0.5	(1.6)	134	3.4	(1.9)	151

**Table 4. Middle School Math Value Added By Grade**

School	Grade 6 Math			Grade 7 Math		
	VA	Std. Err.	N	VA	Std. Err.	N
<b>850 Spring Harbor Middle</b>						
Nov. 2005-Nov. 2007	5.1	(1.6)	163	-1.1	(1.5)	159
Nov. 2006-Nov. 2008	3.4	(1.6)	168	0.7	(1.5)	172
Nov. 2007-Nov. 2009	4.4	(1.5)	169	2.3	(1.8)	175
Subgroups, 2007-09:						
Disability	3.7	(3.4)	22	9.8	(4.6)	23
ELL	4.7	(3.5)	16	2.5	(4.1)	21
Black	4.0	(1.7)	26	3.6	(2.7)	25
Hispanic	8.4	(4.8)	10	-1.5	(5.4)	13
Low-income	3.5	(2.1)	51	4.4	(2.6)	50
<b>620 Toki Middle</b>						
Nov. 2005-Nov. 2007	-1.4	(1.2)	348	-1.6	(1.1)	368
Nov. 2006-Nov. 2008	3.0	(1.2)	354	-1.9	(1.2)	353
Nov. 2007-Nov. 2009	-2.5	(1.2)	336	-7.1	(1.4)	328
Subgroups, 2007-09:						
Disability	1.6	(2.3)	75	-9.9	(2.8)	73
ELL	-4.4	(2.8)	39	-3.2	(3.1)	49
Black	-2.4	(1.3)	97	-5.8	(2.1)	83
Hispanic	-4.8	(3.6)	29	2.0	(3.7)	40
Low-income	-3.6	(1.6)	144	-5.9	(1.9)	141
<b>315 Whitehorse Middle</b>						
Nov. 2005-Nov. 2007	0.1	(1.3)	260	-0.1	(1.3)	243
Nov. 2006-Nov. 2008	-2.4	(1.4)	281	2.8	(1.3)	275
Nov. 2007-Nov. 2009	-2.4	(1.3)	289	4.2	(1.5)	283
Subgroups, 2007-09:						
Disability	-5.6	(2.8)	41	13.3	(3.6)	45
ELL	0.6	(2.9)	37	4.7	(3.6)	33
Black	-2.6	(1.5)	54	2.7	(2.4)	50
Hispanic	-3.3	(3.5)	31	5.1	(4.2)	29
Low-income	-1.0	(1.7)	117	4.4	(2.0)	121

**Table 5. Elementary School Reading Value Added By Grade**

School	Grade 3 Reading			Grade 4 Reading			Grade 5 Reading		
	VA	Std. Err.	N	VA	Std. Err.	N	VA	Std. Err.	N
<b>225 Allis Elementary</b>									
Nov. 2005-Nov. 2007	-4.0	(2.0)	139	-2.3	(1.7)	133	-0.1	(2.0)	114
Nov. 2006-Nov. 2008	-8.3	(2.5)	123	-2.7	(1.8)	146	-0.5	(1.9)	138
Nov. 2007-Nov. 2009	-4.0	(2.5)	116	-3.2	(1.8)	131	0.1	(1.9)	137
Subgroups, 2007-09:									
Disability	-7.8	(6.1)	14	-6.3	(3.9)	22	-0.9	(3.5)	28
ELL	-4.6	(2.9)	30	3.0	(3.2)	48	1.4	(2.8)	48
Black	-2.1	(4.0)	30	-6.7	(3.1)	36	1.1	(3.5)	29
Hispanic	*	*	23	*	*	39	*	*	47
Low-income	-4.8	(2.8)	70	-2.6	(2.1)	90	1.5	(2.1)	89
<b>110 Cesar Chavez Elementary</b>									
Nov. 2005-Nov. 2007	-0.9	(1.9)	165	-0.4	(1.6)	163	-3.4	(2.0)	131
Nov. 2006-Nov. 2008	0.0	(2.1)	181	0.6	(1.8)	164	-2.7	(1.8)	147
Nov. 2007-Nov. 2009	-2.7	(2.1)	190	-0.1	(1.7)	162	-1.2	(1.9)	141
Subgroups, 2007-09:									
Disability	-10.1	(6.0)	15	4.1	(4.2)	17	-1.8	(3.8)	20
ELL	-2.6	(2.7)	31	-2.2	(4.2)	25	-4.0	(3.6)	18
Black	-2.5	(4.2)	24	0.6	(3.7)	19	-0.7	(3.8)	20
Hispanic	*	*	26	*	*	30	*	*	19
Low-income	-2.4	(2.9)	45	-1.0	(2.9)	45	-2.9	(2.7)	42
<b>105 Crestwood Elementary</b>									
Nov. 2005-Nov. 2007	0.5	(2.1)	119	1.9	(1.8)	109	-1.0	(2.1)	105
Nov. 2006-Nov. 2008	-4.1	(2.5)	122	1.8	(2.0)	111	-1.5	(2.1)	98
Nov. 2007-Nov. 2009	-5.8	(2.6)	112	0.6	(1.9)	100	-2.9	(2.1)	89
Subgroups, 2007-09:									
Disability	-8.8	(6.8)	9	1.2	(4.2)	15	-0.9	(4.2)	13
ELL	-5.8	(3.1)	19	*	*	3	*	*	1
Black	-8.2	(5.0)	11	-0.6	(4.1)	9	-6.2	(4.2)	13
Hispanic	*	*	12	*	*	6	*	*	0
Low-income	-6.6	(3.3)	28	1.6	(3.5)	20	-3.9	(3.3)	16
<b>165 Elvehjem Elementary</b>									
Nov. 2005-Nov. 2007	1.2	(2.1)	126	0.9	(1.8)	120	0.7	(2.0)	132
Nov. 2006-Nov. 2008	6.3	(2.5)	112	2.7	(1.9)	122	-0.4	(2.0)	114
Nov. 2007-Nov. 2009	4.5	(2.7)	100	1.4	(1.9)	114	-2.0	(2.0)	117
Subgroups, 2007-09:									
Disability	10.6	(5.5)	20	4.0	(4.1)	17	-1.8	(4.1)	15
ELL	5.3	(3.3)	7	*	*	3	*	*	3
Black	4.2	(4.8)	13	0.2	(3.9)	14	-1.2	(4.4)	9
Hispanic	*	*	4	*	*	4	*	*	4
Low-income	4.7	(3.5)	22	2.2	(3.2)	30	-1.8	(3.0)	28

**Table 5. Elementary School Reading Value Added By Grade**

School	Grade 3 Reading			Grade 4 Reading			Grade 5 Reading		
	VA	Std. Err.	N	VA	Std. Err.	N	VA	Std. Err.	N
<b>180 Emerson Elementary</b>									
Nov. 2005-Nov. 2007	-3.3	(2.3)	77	-0.5	(1.9)	75	-3.3	(2.3)	74
Nov. 2006-Nov. 2008	-3.6	(2.8)	83	1.4	(2.1)	89	1.5	(2.2)	82
Nov. 2007-Nov. 2009	3.6	(2.8)	86	2.5	(2.0)	96	0.4	(2.1)	86
Subgroups, 2007-09:									
Disability	12.8	(5.9)	16	5.1	(3.9)	20	3.1	(3.5)	24
ELL	3.8	(3.3)	13	2.4	(5.2)	11	0.9	(3.8)	11
Black	4.2	(4.4)	20	4.0	(3.3)	25	1.5	(3.5)	26
Hispanic	*	*	10	*	*	11	*	*	9
Low-income	4.3	(3.0)	56	2.8	(2.3)	66	0.4	(2.5)	51
<b>210 Falk Elementary</b>									
Nov. 2005-Nov. 2007	-0.6	(2.2)	95	-0.5	(1.9)	89	-1.9	(2.2)	94
Nov. 2006-Nov. 2008	2.4	(2.8)	88	-2.2	(2.1)	88	-2.3	(2.1)	89
Nov. 2007-Nov. 2009	-1.7	(2.9)	78	-3.9	(2.0)	80	0.9	(2.2)	78
Subgroups, 2007-09:									
Disability	-1.4	(7.2)	7	-10.3	(4.1)	16	3.4	(4.0)	15
ELL	-1.9	(3.4)	14	-3.9	(5.3)	9	0.2	(3.9)	10
Black	-0.9	(4.1)	27	-6.7	(3.0)	30	1.5	(3.2)	32
Hispanic	*	*	7	*	*	7	*	*	8
Low-income	-1.3	(3.2)	46	-4.7	(2.5)	50	1.0	(2.5)	47
<b>255 Glendale Elementary</b>									
Nov. 2005-Nov. 2007	-1.5	(2.3)	80	3.2	(1.9)	89	-0.9	(2.2)	96
Nov. 2006-Nov. 2008	3.8	(2.6)	103	3.0	(2.1)	85	-2.1	(2.1)	101
Nov. 2007-Nov. 2009	3.2	(2.6)	112	0.2	(1.9)	105	-1.5	(2.1)	94
Subgroups, 2007-09:									
Disability	4.8	(6.1)	14	3.5	(4.2)	15	0.7	(3.4)	28
ELL	3.3	(2.9)	43	-0.1	(3.3)	41	-1.5	(2.9)	37
Black	1.1	(4.1)	28	-0.3	(3.1)	33	1.3	(3.3)	32
Hispanic	*	*	34	*	*	30	*	*	23
Low-income	3.2	(2.7)	82	0.1	(2.1)	83	-0.8	(2.2)	70
<b>675 Gompers Elementary</b>									
Nov. 2005-Nov. 2007	-1.2	(2.2)	90	-0.5	(1.9)	88	-0.8	(2.3)	72
Nov. 2006-Nov. 2008	0.2	(2.9)	76	-0.5	(2.1)	92	3.1	(2.2)	82
Nov. 2007-Nov. 2009	0.0	(3.3)	51	-0.4	(2.0)	76	3.2	(2.1)	88
Subgroups, 2007-09:									
Disability	-1.9	(6.2)	11	2.2	(4.8)	7	3.5	(4.2)	12
ELL	0.5	(3.7)	7	-0.2	(5.1)	11	2.9	(3.7)	14
Black	0.2	(4.8)	13	0.7	(3.6)	16	0.3	(4.2)	12
Hispanic	*	*	3	*	*	7	*	*	9
Low-income	0.1	(3.7)	20	0.1	(3.2)	26	2.5	(2.9)	30

**Table 5. Elementary School Reading Value Added By Grade**

School	Grade 3 Reading			Grade 4 Reading			Grade 5 Reading		
	VA	Std. Err.	N	VA	Std. Err.	N	VA	Std. Err.	N
<b>48 Hawthorne Elementary</b>									
Nov. 2005-Nov. 2007	-0.4	(2.2)	98	0.5	(1.9)	76	-2.9	(2.2)	85
Nov. 2006-Nov. 2008	-0.7	(2.6)	103	-0.3	(2.1)	92	-3.3	(2.1)	87
Nov. 2007-Nov. 2009	-0.7	(2.7)	96	-0.2	(1.9)	102	-0.8	(2.1)	99
Subgroups, 2007-09:									
Disability	-1.8	(7.2)	7	2.4	(4.4)	13	-2.2	(3.9)	18
ELL	-1.3	(3.0)	36	-3.4	(3.5)	36	1.0	(3.0)	36
Black	1.5	(4.2)	26	1.4	(3.2)	28	-1.2	(3.7)	23
Hispanic	*	*	15	*	*	20	*	*	16
Low-income	-1.0	(2.9)	61	1.0	(2.3)	67	-0.5	(2.4)	62
<b>660 Huegel Elementary</b>									
Nov. 2005-Nov. 2007	-1.5	(2.0)	138	1.0	(1.7)	131	-3.7	(2.0)	114
Nov. 2006-Nov. 2008	-1.2	(2.4)	131	0.9	(1.9)	138	-2.3	(1.9)	127
Nov. 2007-Nov. 2009	-1.9	(2.5)	129	-1.1	(1.8)	129	-4.0	(2.0)	123
Subgroups, 2007-09:									
Disability	10.5	(5.7)	18	-1.1	(4.3)	15	-6.6	(3.9)	18
ELL	-1.6	(3.1)	13	3.1	(4.6)	19	-4.2	(3.8)	13
Black	2.4	(4.1)	27	-0.1	(3.3)	28	-5.6	(3.5)	27
Hispanic	*	*	14	*	*	15	*	*	8
Low-income	-0.6	(3.0)	50	0.3	(2.7)	51	-3.8	(2.5)	52
<b>375 Kennedy Elementary</b>									
Nov. 2005-Nov. 2007	0.4	(1.9)	154	-3.8	(1.6)	161	-2.0	(1.9)	149
Nov. 2006-Nov. 2008	2.7	(2.3)	151	-4.2	(1.8)	151	1.0	(1.8)	164
Nov. 2007-Nov. 2009	-2.8	(2.3)	161	-1.7	(1.8)	140	0.9	(1.8)	158
Subgroups, 2007-09:									
Disability	-4.9	(5.7)	18	-2.2	(4.2)	18	-1.1	(3.7)	24
ELL	*	*	5	*	*	4	*	*	5
Black	-1.3	(4.3)	22	-2.3	(3.8)	16	2.9	(4.0)	17
Hispanic	*	*	4	*	*	4	*	*	3
Low-income	-4.0	(3.1)	38	0.5	(3.2)	33	0.9	(2.8)	39
<b>435 Lake View Elementary</b>									
Nov. 2005-Nov. 2007	0.5	(2.3)	76	-0.9	(1.9)	73	-1.9	(2.4)	64
Nov. 2006-Nov. 2008	-4.9	(2.9)	76	0.1	(2.2)	72	1.3	(2.2)	73
Nov. 2007-Nov. 2009	3.7	(2.9)	80	0.1	(2.1)	70	0.7	(2.3)	65
Subgroups, 2007-09:									
Disability	8.5	(6.5)	11	0.6	(4.3)	13	-1.0	(3.9)	16
ELL	3.0	(3.3)	19	1.9	(4.3)	18	1.9	(3.5)	17
Black	4.1	(4.1)	27	-1.6	(3.4)	20	1.4	(3.9)	16
Hispanic	*	*	7	*	*	9	*	*	8
Low-income	3.4	(3.2)	46	-0.1	(2.5)	44	1.1	(2.4)	47

**Table 5. Elementary School Reading Value Added By Grade**

School	Grade 3 Reading			Grade 4 Reading			Grade 5 Reading		
	VA	Std. Err.	N	VA	Std. Err.	N	VA	Std. Err.	N
<b>475 Leopold Elementary</b>									
Nov. 2005-Nov. 2007	-3.9	(1.8)	171	1.6	(1.6)	176	2.2	(1.7)	204
Nov. 2006-Nov. 2008	-3.9	(2.1)	168	1.2	(1.7)	178	-1.0	(1.7)	187
Nov. 2007-Nov. 2009	2.3	(2.1)	195	1.5	(1.7)	176	1.1	(1.8)	166
Subgroups, 2007-09:									
Disability	-4.2	(5.8)	17	0.0	(4.2)	17	3.6	(3.9)	18
ELL	3.1	(2.5)	61	-2.6	(3.4)	46	4.8	(3.1)	34
Black	3.1	(3.3)	58	2.9	(2.7)	55	0.2	(2.9)	52
Hispanic	*	*	50	*	*	45	*	*	32
Low-income	3.5	(2.3)	127	0.7	(2.0)	111	2.2	(2.1)	96
<b>15 Lincoln Elementary</b>									
Nov. 2005-Nov. 2007	4.3	(1.8)	185	3.5	(1.6)	179	3.3	(1.7)	186
Nov. 2006-Nov. 2008	4.9	(2.0)	205	3.2	(1.7)	192	-1.5	(1.7)	179
Nov. 2007-Nov. 2009	-1.3	(2.1)	189	1.7	(1.6)	197	-0.8	(1.7)	184
Subgroups, 2007-09:									
Disability	1.6	(5.4)	22	2.4	(3.8)	26	0.4	(3.4)	35
ELL	-1.8	(2.3)	95	-2.1	(2.8)	72	0.1	(2.5)	67
Black	-6.2	(3.8)	36	2.9	(2.9)	47	-1.5	(3.1)	44
Hispanic	*	*	68	*	*	60	*	*	53
Low-income	-1.8	(2.3)	134	0.1	(2.0)	121	-0.1	(2.0)	120
<b>65 Lindbergh Elementary</b>									
Nov. 2005-Nov. 2007	0.8	(2.4)	65	-1.3	(1.9)	73	-2.8	(2.4)	70
Nov. 2006-Nov. 2008	2.1	(3.0)	72	-1.7	(2.2)	73	0.8	(2.2)	83
Nov. 2007-Nov. 2009	3.5	(3.0)	71	-0.6	(2.1)	70	-0.8	(2.2)	76
Subgroups, 2007-09:									
Disability	*	*	3	-1.3	(4.5)	10	-0.9	(4.5)	8
ELL	3.1	(3.2)	28	1.0	(3.7)	26	-2.5	(3.1)	29
Black	3.1	(5.0)	11	-0.3	(3.9)	12	-0.5	(3.9)	17
Hispanic	*	*	11	*	*	6	*	*	8
Low-income	3.6	(3.1)	50	-0.1	(2.5)	47	-1.3	(2.5)	49
<b>495 Lowell Elementary</b>									
Nov. 2005-Nov. 2007	-2.1	(2.4)	65	0.6	(1.9)	72	-2.3	(2.4)	66
Nov. 2006-Nov. 2008	-7.9	(3.0)	73	-2.8	(2.2)	64	-2.2	(2.3)	63
Nov. 2007-Nov. 2009	-5.4	(3.0)	70	-1.7	(2.1)	64	-3.1	(2.3)	59
Subgroups, 2007-09:									
Disability	-8.8	(7.3)	6	0.3	(4.9)	6	*	*	4
ELL	-5.6	(3.4)	12	-1.6	(4.7)	14	-4.3	(4.0)	7
Black	-5.9	(4.3)	21	-2.2	(3.8)	12	-5.1	(4.0)	14
Hispanic	*	*	10	*	*	10	*	*	5
Low-income	-6.6	(3.3)	35	-1.2	(2.8)	32	-3.7	(2.8)	28

**Table 5. Elementary School Reading Value Added By Grade**

School	Grade 3 Reading			Grade 4 Reading			Grade 5 Reading		
	VA	Std. Err.	N	VA	Std. Err.	N	VA	Std. Err.	N
<b>525 Marquette Elementary</b>									
Nov. 2005-Nov. 2007	2.1	(2.1)	122	0.4	(1.7)	150	0.8	(1.9)	152
Nov. 2006-Nov. 2008	-0.2	(2.5)	123	0.4	(1.9)	125	1.3	(1.9)	150
Nov. 2007-Nov. 2009	-3.7	(2.4)	133	3.0	(1.8)	129	2.2	(1.9)	129
Subgroups, 2007-09:									
Disability	-6.2	(5.7)	18	0.4	(3.8)	25	5.6	(3.8)	21
ELL	*	*	3	*	*	4	*	*	3
Black	-2.9	(4.8)	13	4.9	(3.9)	14	4.6	(4.4)	10
Hispanic	*	*	5	*	*	5	*	*	4
Low-income	-3.4	(3.2)	32	5.5	(3.0)	38	2.2	(3.0)	28
<b>555 Mendota Elementary</b>									
Nov. 2005-Nov. 2007	-0.5	(2.3)	79	-1.3	(2.0)	59	3.5	(2.5)	53
Nov. 2006-Nov. 2008	-3.7	(2.9)	81	-0.4	(2.2)	70	2.8	(2.4)	50
Nov. 2007-Nov. 2009	-2.2	(3.0)	70	-1.0	(2.1)	68	-0.9	(2.3)	61
Subgroups, 2007-09:									
Disability	1.3	(5.7)	16	-0.4	(4.6)	9	-1.2	(4.4)	9
ELL	*	*	3	4.1	(5.7)	6	*	*	3
Black	-1.7	(3.7)	37	-1.2	(2.7)	34	0.3	(2.9)	35
Hispanic	*	*	6	*	*	6	*	*	5
Low-income	-2.5	(3.2)	46	-1.5	(2.5)	44	-0.4	(2.5)	43
<b>390 Muir Elementary</b>									
Nov. 2005-Nov. 2007	1.6	(2.0)	126	0.5	(1.8)	122	5.3	(2.1)	99
Nov. 2006-Nov. 2008	4.4	(2.5)	120	1.4	(1.9)	131	-2.4	(2.0)	125
Nov. 2007-Nov. 2009	3.5	(2.5)	125	-0.2	(1.8)	127	-2.3	(1.9)	130
Subgroups, 2007-09:									
Disability	8.6	(5.6)	19	-2.1	(3.8)	23	-2.0	(3.6)	27
ELL	3.1	(3.0)	18	3.7	(4.6)	18	-3.7	(3.6)	18
Black	1.1	(4.4)	20	0.2	(3.5)	22	-4.8	(4.3)	11
Hispanic	*	*	10	*	*	14	*	*	19
Low-income	3.0	(3.0)	46	-0.4	(2.9)	42	-4.3	(2.9)	36
<b>125 Nuestro Mundo Community</b>									
Nov. 2006-Nov. 2008	8.1	(3.6)	40						
Nov. 2007-Nov. 2009	5.7	(2.9)	82	0.1	(2.3)	40			
Subgroups, 2007-09:									
Disability	*	*	2	*	*	1			
ELL	5.8	(3.1)	39	0.8	(4.5)	12			
Black	5.9	(5.1)	9	-0.1	(3.9)	8			
Hispanic	*	*	37	*	*	12			
Low-income	6.5	(3.3)	37	0.2	(3.3)	16			

**Table 5. Elementary School Reading Value Added By Grade**

School	Grade 3 Reading			Grade 4 Reading			Grade 5 Reading		
	VA	Std. Err.	N	VA	Std. Err.	N	VA	Std. Err.	N
<b>140 Olson Elementary</b>									
Nov. 2007-Nov. 2009	-4.4	(3.7)	33	-0.3	(2.2)	43	0.3	(2.8)	11
Subgroups, 2007-09:									
Disability	*	*	2	-0.9	(4.6)	7	*	*	0
ELL	*	*	1	*	*	3	*	*	0
Black	-2.9	(5.0)	10	-0.5	(3.6)	11	*	*	4
Hispanic	*	*	1	*	*	3	*	*	1
Low-income	-3.9	(4.1)	14	-1.7	(3.4)	14	*	*	5
<b>615 Orchard Ridge Elementary</b>									
Nov. 2005-Nov. 2007	-1.6	(2.2)	89	-1.1	(1.9)	81	0.9	(2.3)	75
Nov. 2006-Nov. 2008	0.2	(2.9)	75	0.1	(2.1)	84	-2.0	(2.2)	84
Nov. 2007-Nov. 2009	3.2	(3.0)	67	-3.1	(2.0)	76	-2.8	(2.1)	86
Subgroups, 2007-09:									
Disability	3.5	(6.2)	12	-0.7	(4.0)	16	-6.3	(3.8)	18
ELL	*	*	3	-3.3	(5.7)	6	-0.9	(4.0)	7
Black	6.7	(4.1)	26	-1.6	(3.0)	29	-6.1	(3.3)	29
Hispanic	*	*	2	*	*	5	*	*	8
Low-income	4.4	(3.3)	38	-1.9	(2.6)	45	-3.7	(2.5)	46
<b>645 Randall Elementary</b>									
Nov. 2005-Nov. 2007	6.1	(1.8)	192	-1.4	(1.5)	214	3.9	(1.6)	220
Nov. 2006-Nov. 2008	5.7	(2.0)	193	-0.8	(1.7)	195	5.2	(1.6)	218
Nov. 2007-Nov. 2009	6.4	(2.0)	219	1.0	(1.6)	205	3.7	(1.7)	207
Subgroups, 2007-09:									
Disability	5.5	(5.1)	26	4.0	(3.9)	23	3.1	(3.2)	40
ELL	6.5	(2.6)	34	-5.1	(4.3)	25	3.9	(3.4)	25
Black	0.9	(4.1)	27	5.6	(3.6)	23	4.8	(3.9)	21
Hispanic	*	*	17	*	*	18	*	*	15
Low-income	5.9	(2.7)	62	0.6	(2.9)	48	4.0	(2.7)	51
<b>40 Sandburg Elementary</b>									
Nov. 2005-Nov. 2007	1.0	(2.2)	90	-0.2	(1.9)	78	-2.2	(2.2)	89
Nov. 2006-Nov. 2008	-1.4	(2.7)	92	0.0	(2.1)	92	-1.3	(2.2)	78
Nov. 2007-Nov. 2009	-2.6	(2.9)	83	-0.5	(2.0)	91	-3.3	(2.2)	75
Subgroups, 2007-09:									
Disability	-4.8	(6.6)	10	-1.9	(4.7)	9	-3.9	(4.7)	6
ELL	-2.4	(3.1)	30	0.2	(3.3)	37	-2.9	(3.2)	24
Black	-4.5	(5.0)	10	0.8	(4.0)	11	-4.7	(4.1)	13
Hispanic	*	*	23	*	*	33	*	*	21
Low-income	-2.6	(3.2)	42	-0.7	(2.4)	58	-2.7	(2.5)	45



**Table 5. Elementary School Reading Value Added By Grade**

School	Grade 3 Reading			Grade 4 Reading			Grade 5 Reading		
	VA	Std. Err.	N	VA	Std. Err.	N	VA	Std. Err.	N
<b>300 Schenk Elementary</b>									
Nov. 2005-Nov. 2007	-2.9	(2.2)	103	0.0	(1.8)	100	-1.3	(2.2)	95
Nov. 2006-Nov. 2008	-2.5	(2.7)	93	-0.9	(2.0)	106	-0.7	(2.1)	103
Nov. 2007-Nov. 2009	-5.9	(2.7)	98	0.3	(1.9)	105	2.1	(2.1)	103
Subgroups, 2007-09:									
Disability	-11.8	(6.6)	10	0.6	(4.1)	17	-0.2	(4.3)	11
ELL	-6.2	(3.1)	22	-6.3	(5.1)	12	0.9	(3.7)	15
Black	-3.6	(4.2)	25	0.6	(3.1)	32	3.8	(3.6)	26
Hispanic	*	*	13	*	*	10	*	*	14
Low-income	-5.6	(2.9)	61	0.2	(2.4)	61	1.9	(2.4)	59
<b>735 Shorewood Hills Elementary</b>									
Nov. 2005-Nov. 2007	2.4	(2.2)	102	2.5	(1.8)	109	0.9	(2.1)	112
Nov. 2006-Nov. 2008	8.6	(2.8)	84	2.9	(2.1)	100	0.6	(2.1)	108
Nov. 2007-Nov. 2009	6.7	(2.8)	94	1.2	(2.0)	87	1.5	(2.1)	101
Subgroups, 2007-09:									
Disability	6.1	(6.5)	11	3.8	(4.3)	13	2.3	(4.4)	10
ELL	6.7	(3.1)	23	2.5	(4.3)	20	4.0	(3.5)	19
Black	6.4	(5.3)	7	1.8	(4.3)	6	*	*	2
Hispanic	*	*	3	*	*	4	*	*	5
Low-income	6.9	(3.6)	20	2.0	(3.5)	19	2.4	(3.4)	16
<b>270 Stephens Elementary</b>									
Nov. 2005-Nov. 2007	-1.5	(1.9)	148	-2.3	(1.7)	132	-0.1	(2.0)	128
Nov. 2006-Nov. 2008	-3.6	(2.3)	144	-4.5	(1.9)	144	3.5	(2.0)	125
Nov. 2007-Nov. 2009	-2.2	(2.4)	131	-3.2	(1.8)	125	3.7	(1.9)	132
Subgroups, 2007-09:									
Disability	-8.4	(5.6)	19	-4.9	(3.9)	21	8.6	(4.0)	16
ELL	-2.1	(2.9)	28	0.6	(4.9)	14	1.7	(3.8)	13
Black	-4.0	(4.5)	18	-1.9	(3.7)	17	8.4	(4.0)	16
Hispanic	*	*	12	*	*	7	*	*	6
Low-income	-2.9	(3.2)	32	-3.0	(3.3)	28	5.2	(2.9)	33
<b>780 Thoreau Elementary</b>									
Nov. 2005-Nov. 2007	-1.9	(2.2)	99	-0.3	(1.8)	114	0.9	(2.0)	123
Nov. 2006-Nov. 2008	-1.4	(2.5)	115	-0.1	(2.0)	99	2.5	(2.0)	117
Nov. 2007-Nov. 2009	-1.0	(2.5)	116	0.8	(1.9)	117	0.3	(2.0)	106
Subgroups, 2007-09:									
Disability	-6.6	(6.1)	14	-3.5	(4.1)	18	0.3	(4.0)	16
ELL	-0.6	(3.1)	13	-1.3	(4.6)	17	0.1	(3.8)	11
Black	-2.6	(4.0)	30	-2.9	(3.4)	23	0.5	(3.5)	28
Hispanic	*	*	11	*	*	15	*	*	9
Low-income	-1.6	(3.0)	52	-3.2	(2.7)	50	-0.2	(2.5)	50

**Table 5. Elementary School Reading Value Added By Grade**

School	Grade 3 Reading			Grade 4 Reading			Grade 5 Reading		
	VA	Std. Err.	N	VA	Std. Err.	N	VA	Std. Err.	N
795 Van Hise Elementary									
Nov. 2005-Nov. 2007	0.6	(2.3)	79	-0.4	(1.9)	81	-2.5	(2.2)	83
Nov. 2006-Nov. 2008	-5.5	(2.7)	94	0.2	(2.1)	89	-1.2	(2.2)	84
Nov. 2007-Nov. 2009	-1.1	(2.6)	116	1.7	(1.9)	104	-1.0	(2.1)	95
Subgroups, 2007-09:									
Disability	0.3	(7.2)	7	0.3	(5.0)	6	-3.8	(4.1)	14
ELL	-0.7	(3.1)	16	5.0	(4.6)	17	-2.6	(3.7)	14
Black	*	*	5	1.5	(4.2)	7	-2.2	(4.5)	9
Hispanic	*	*	5	*	*	3	*	*	6
Low-income	-1.3	(3.6)	17	4.1	(3.4)	23	-2.4	(3.2)	20

**Table 6. Middle School Reading Value Added By Grade**

School	Grade 6 Reading			Grade 7 Reading		
	VA	Std. Err.	N	VA	Std. Err.	N
<b>690 Black Hawk Middle</b>						
Nov. 2005-Nov. 2007	-0.7	(1.4)	213	-2.9	(1.8)	230
Nov. 2006-Nov. 2008	1.0	(1.0)	215	0.2	(1.9)	212
Nov. 2007-Nov. 2009	0.5	(1.1)	231	-0.9	(1.5)	213
Subgroups, 2007-09:						
Disability	-3.2	(3.2)	41	-3.5	(2.5)	41
ELL	*	*	50	-0.3	(2.1)	42
Black	0.7	(2.0)	44	-1.4	(2.6)	46
Hispanic	*	*	28	*	*	24
Low-income	*	*	118	*	*	109
<b>90 Cherokee Heights Middle</b>						
Nov. 2005-Nov. 2007	1.9	(1.3)	283	-4.7	(1.6)	285
Nov. 2006-Nov. 2008	0.2	(0.9)	345	-2.9	(1.6)	313
Nov. 2007-Nov. 2009	-0.8	(1.0)	314	-1.8	(1.3)	359
Subgroups, 2007-09:						
Disability	3.1	(3.0)	47	-2.7	(2.3)	60
ELL	*	*	63	-1.9	(1.9)	80
Black	-0.5	(1.8)	71	-5.0	(2.3)	77
Hispanic	*	*	55	*	*	68
Low-income	*	*	143	*	*	177
<b>810 Hamilton Middle</b>						
Nov. 2005-Nov. 2007	-3.2	(1.1)	454	5.7	(1.4)	418
Nov. 2006-Nov. 2008	-0.8	(0.9)	449	6.6	(1.3)	467
Nov. 2007-Nov. 2009	0.3	(0.9)	439	3.1	(1.2)	463
Subgroups, 2007-09:						
Disability	-0.4	(3.4)	37	4.6	(2.4)	47
ELL	*	*	38	2.4	(2.1)	35
Black	0.8	(2.3)	24	6.2	(3.0)	25
Hispanic	*	*	18	*	*	19
Low-income	*	*	66	*	*	71
<b>440 James Wright Middle</b>						
Nov. 2005-Nov. 2007	-1.5	(1.6)	146	6.5	(2.1)	148
Nov. 2006-Nov. 2008	-0.9	(1.0)	159	3.7	(2.1)	150
Nov. 2007-Nov. 2009	-0.8	(1.2)	161	-0.1	(1.7)	147
Subgroups, 2007-09:						
Disability	-0.7	(3.0)	41	0.5	(2.7)	25
ELL	*	*	71	-0.1	(2.1)	52
Black	-2.1	(1.9)	49	1.0	(2.4)	53
Hispanic	*	*	56	*	*	47
Low-income	*	*	137	*	*	123

**Table 6. Middle School Reading Value Added By Grade**

School	Grade 6 Reading			Grade 7 Reading		
	VA	Std. Err.	N	VA	Std. Err.	N
<b>370 Jefferson Middle</b>						
Nov. 2005-Nov. 2007	0.3	(1.4)	255	-2.7	(1.6)	279
Nov. 2006-Nov. 2008	0.5	(1.0)	249	-0.2	(1.8)	248
Nov. 2007-Nov. 2009	1.8	(1.0)	291	-0.6	(1.4)	246
Subgroups, 2007-09:						
Disability	-4.3	(3.2)	40	-0.2	(2.6)	29
ELL	*	*	34	0.4	(2.3)	23
Black	1.5	(2.1)	36	-1.6	(3.0)	24
Hispanic	*	*	22	*	*	15
Low-income	*	*	72	*	*	54
<b>540 O'Keefe Middle</b>						
Nov. 2005-Nov. 2007	2.9	(1.4)	223	-1.8	(1.8)	237
Nov. 2006-Nov. 2008	-0.6	(1.0)	268	-2.9	(1.8)	238
Nov. 2007-Nov. 2009	0.1	(1.1)	268	0.8	(1.4)	258
Subgroups, 2007-09:						
Disability	5.5	(3.0)	47	-0.3	(2.5)	43
ELL	*	*	28	0.2	(2.2)	25
Black	2.4	(2.1)	44	0.5	(2.7)	39
Hispanic	*	*	21	*	*	20
Low-income	*	*	110	*	*	91
<b>665 Sennett Middle</b>						
Nov. 2005-Nov. 2007	1.1	(1.2)	363	1.4	(1.5)	350
Nov. 2006-Nov. 2008	-0.4	(0.9)	372	-2.2	(1.5)	372
Nov. 2007-Nov. 2009	-1.3	(1.0)	368	-1.0	(1.2)	393
Subgroups, 2007-09:						
Disability	1.0	(2.6)	72	-0.1	(2.1)	79
ELL	*	*	84	-0.2	(1.9)	82
Black	-1.7	(1.9)	72	-0.6	(2.4)	63
Hispanic	*	*	73	*	*	76
Low-income	*	*	187	*	*	183
<b>710 Sherman Middle</b>						
Nov. 2005-Nov. 2007	-1.3	(1.3)	290	1.0	(1.6)	304
Nov. 2006-Nov. 2008	0.7	(1.0)	238	0.1	(1.7)	279
Nov. 2007-Nov. 2009	0.3	(1.1)	223	0.9	(1.5)	236
Subgroups, 2007-09:						
Disability	-1.1	(3.3)	36	0.6	(2.5)	39
ELL	*	*	67	0.0	(2.0)	63
Black	0.6	(1.8)	62	1.6	(2.3)	71
Hispanic	*	*	35	*	*	39
Low-income	*	*	135	*	*	150

**Table 6. Middle School Reading Value Added By Grade**

School	Grade 6 Reading			Grade 7 Reading		
	VA	Std. Err.	N	VA	Std. Err.	N
<b>850 Spring Harbor Middle</b>						
Nov. 2005-Nov. 2007	1.0	(1.5)	162	2.1	(2.1)	159
Nov. 2006-Nov. 2008	-0.1	(1.0)	167	2.0	(2.0)	171
Nov. 2007-Nov. 2009	0.5	(1.1)	168	1.6	(1.6)	174
Subgroups, 2007-09:						
Disability	-0.2	(3.8)	22	2.1	(2.7)	23
ELL	*	*	15	1.4	(2.3)	21
Black	-0.1	(2.2)	26	2.9	(3.0)	24
Hispanic	*	*	10	*	*	13
Low-income	*	*	51	*	*	50
<b>620 Toki Middle</b>						
Nov. 2005-Nov. 2007	0.8	(1.2)	345	-3.5	(1.4)	368
Nov. 2006-Nov. 2008	0.7	(0.9)	350	-4.2	(1.5)	353
Nov. 2007-Nov. 2009	0.7	(1.0)	334	-3.0	(1.3)	325
Subgroups, 2007-09:						
Disability	4.2	(2.5)	74	-2.5	(2.2)	71
ELL	*	*	38	-2.9	(2.1)	48
Black	0.5	(1.7)	95	-3.5	(2.2)	82
Hispanic	*	*	29	*	*	39
Low-income	*	*	142	*	*	139
<b>315 Whitehorse Middle</b>						
Nov. 2005-Nov. 2007	0.4	(1.4)	260	0.0	(1.7)	243
Nov. 2006-Nov. 2008	0.0	(1.0)	281	-0.2	(1.7)	275
Nov. 2007-Nov. 2009	-1.1	(1.0)	290	0.8	(1.4)	283
Subgroups, 2007-09:						
Disability	-7.9	(3.2)	42	1.5	(2.5)	45
ELL	*	*	37	0.8	(2.2)	33
Black	-1.8	(2.0)	54	1.0	(2.6)	50
Hispanic	*	*	31	*	*	29
Low-income	*	*	117	*	*	121

### Tables 7, 8, 9, and 10: Value-Added Coefficients

Tables 7, 8, 9, and 10 present the coefficients used to make adjustments for pretest scores and student characteristics when measuring value added in Madison. These coefficients come from a statistical analysis that compares students in the same schools with each other. The result is a district-wide measure of intra-school differences across students of different demographic groups, controlling for all other measurable characteristics.

The coefficients on student characteristics measure the statistical relationship between test score improvement and student characteristics. Often, these are relative to an omitted student characteristic. For example, the race characteristics are listed as Asian, black, Hispanic, Native American, and biracial, with white as the omitted. Note that the coefficient in Table 7 on black for elementary grades in math for November 2007 to November 2009 is -4.3. This implies that black elementary school students gained about 4 points less on the WKCE than observationally similar white students across MMSD.

The omitted student characteristics are:

- Male (coefficient on female measured relative to male);
- White (coefficient on black, Hispanic, etc. measured relative to white);
- Without disability (coefficients on disability measured relative to without disability);
- Not ELL (coefficients on ELL measured relative to non-ELL);
- No free or reduced-price lunch (coefficients on FRL measured relative to non-FRL);
- Parent with high school diploma (coefficients on parent education measured relative to parent with high school diploma);
- Not full academic year (coefficients on FAY measured to non-FAY)

The choice of omitted student characteristic has no intrinsic or statistical value; the results of the value-added model would not change were, for example, female rather than male the omitted.

The pretest score coefficients measure the relationship between test scores from one year to the next from one grade to the next. For example, in Table 7, the coefficient on 2007 third-grade pretest score in the model of math value added from November 2007 to November 2009 is 0.81. This implies that third-graders who scored one point higher on the 2007 math WKCE scored 0.81 points higher on the 2008 math WKCE as fourth graders on average. Note that, in some cases, these coefficients are measured twice. For example, the coefficient on 2007 third-grade pretest score is also measured in the model of math value added from November 2006 to November 2008. It is also equal to 0.81 in that case, but it does not necessarily have to be the same (although it should be close). The coefficients are measured twice because the value-added model is measured separately for each overlapping period. Since the periods overlap, the same parameter is measured twice, and since different data are covered each time, the estimate of that parameter may be slightly different. The pretest coefficients are important for properly measuring improvement on the WKCE from one test to the next. In particular, they adjust for the possibility of it being easier or more difficult to gain points on the WKCE from one year to the next from a higher or lower initial score.

It is important to note that these coefficients measure gaps that control for differences across the other student characteristics. For example, the black-white gap mentioned above does not include the effects of differences between black students and white students in pretest scores, special education status, low-income status, parents' education, or other student characteristics listed in the table. These effects are controlled for and taken out of the gap. They also do not include differences in the quality of schools attended by black students and white students. For these reasons, these coefficients are often called *partial* coefficients, in the sense that they are the part of differences between students of different groups that cannot be explained with differences across the groups in other measurable variables.

**Table 7. Coefficients from Elementary School Math Value-Added Model**

Variable	Nov. 2005-Nov. 2007		Nov. 2006-Nov. 2008		Nov. 2007-Nov. 2009	
	Coeff.	Std. Err.	Coeff.	Std. Err.	Coeff.	Std. Err.
Female	-0.2	(0.5)	0.4	(0.5)	0.0	(0.5)
S. E. Asian	0.4	(1.8)	0.9	(1.7)	1.4	(1.7)
Other Asian	4.5	(1.2)	3.6	(1.3)	5.6	(1.3)
Black	-5.4	(0.9)	-4.1	(0.9)	-4.3	(0.9)
Hispanic	-1.6	(1.3)	-2.1	(1.3)	-1.1	(1.3)
Native American	-5.5	(4.6)	0.9	(4.1)	-1.2	(3.9)
Biracial	-3.2	(1.0)	-2.7	(1.0)	0.0	(1.0)
Disability (L.D.)	-14.8	(1.4)	-14.2	(1.4)	-11.1	(1.5)
Disability (Speech)	-2.7	(1.2)	-3.1	(1.2)	-4.4	(1.2)
Disability (Other)	-12.0	(1.1)	-12.3	(1.1)	-15.0	(1.2)
ELL (Beg./Int.)	-4.6	(1.3)	-3.7	(1.2)	-2.9	(1.2)
ELL (Adv.)	-0.4	(1.5)	2.0	(1.8)	1.1	(2.0)
Free Lunch	-2.1	(0.8)	-1.9	(0.8)	-2.9	(0.8)
Reduced-Price Lunch	-0.7	(1.2)	0.2	(1.2)	-1.7	(1.2)
Free or R.-P. Lunch	-0.3	(2.3)	-1.1	(2.6)	5.2	(5.4)
Parent w/College Degree	3.3	(1.0)	2.4	(1.0)	1.4	(1.0)
Parent w/Graduate Degree	5.7	(1.0)	4.5	(1.0)	2.4	(1.0)
Parent w/o H.S. Diploma	-0.7	(1.2)	0.0	(1.1)	-0.9	(1.2)
Parent w/Vocational Degree	0.7	(0.9)	1.5	(0.9)	-0.5	(0.9)
Parent Education Unknown	3.6	(1.1)	3.8	(1.0)	2.1	(1.0)
Full Academic Year	-0.4	(1.2)	-0.5	(1.3)	2.0	(1.3)
Grade 3 Score (Nov. 2005)	0.70	(0.02)				
Grade 4 Score (Nov. 2005)	0.83	(0.02)				
Grade 5 Score (Nov. 2005)	0.87	(0.02)				
Grade 3 Score (Nov. 2006)	0.84	(0.02)	0.85	(0.02)		
Grade 4 Score (Nov. 2006)	0.90	(0.02)	0.92	(0.02)		
Grade 5 Score (Nov. 2006)	0.91	(0.02)	0.93	(0.02)		
Grade 3 Score (Nov. 2007)			0.81	(0.02)	0.81	(0.02)
Grade 4 Score (Nov. 2007)			0.89	(0.02)	0.88	(0.02)
Grade 5 Score (Nov. 2007)			0.83	(0.02)	0.83	(0.02)
Grade 3 Score (Nov. 2008)					0.85	(0.02)
Grade 4 Score (Nov. 2008)					0.95	(0.02)
Grade 5 Score (Nov. 2008)					0.85	(0.02)



**Table 8. Coefficients from Middle School Math Value-Added Model**

Variable	Nov. 2005-Nov. 2007		Nov. 2006-Nov. 2008		Nov. 2007-Nov. 2009	
	Coeff.	Std. Err.	Coeff.	Std. Err.	Coeff.	Std. Err.
Female	-1.9	(0.6)	-0.7	(0.6)	-2.3	(0.6)
S. E. Asian	1.3	(1.9)	-0.7	(2.0)	-0.6	(1.9)
Other Asian	4.9	(1.5)	6.0	(1.5)	4.5	(1.5)
Black	-4.8	(1.0)	-3.9	(1.1)	-4.2	(1.0)
Hispanic	-1.8	(1.6)	-2.8	(1.6)	-1.9	(1.5)
Native American	-3.3	(4.9)	0.9	(5.1)	-5.3	(5.5)
Biracial	-0.9	(1.1)	-0.7	(1.2)	-3.0	(1.2)
Disability (L.D.)	-7.5	(1.2)	-9.3	(1.4)	-4.8	(1.3)
Disability (Speech)	-6.6	(1.7)	-4.8	(1.8)	-3.0	(1.7)
Disability (Other)	-9.0	(1.1)	-7.7	(1.2)	-7.0	(1.2)
ELL (Beg./Int.)	-3.5	(1.6)	-2.1	(1.5)	-0.8	(1.4)
ELL (Adv.)	1.6	(1.7)	4.5	(2.0)	0.6	(2.3)
Free Lunch	-2.0	(1.0)	-3.0	(1.0)	-1.6	(1.0)
Reduced-Price Lunch	-1.1	(1.4)	-2.6	(1.4)	0.0	(1.4)
Free or R.-P. Lunch	0.6	(2.4)	2.5	(2.6)	7.7	(5.7)
Parent w/College Degree	4.2	(1.1)	2.6	(1.2)	1.6	(1.2)
Parent w/Graduate Degree	5.3	(1.1)	4.8	(1.2)	4.9	(1.2)
Parent w/o H.S. Diploma	3.0	(1.4)	1.8	(1.4)	0.7	(1.3)
Parent w/Vocational Degree	1.6	(1.0)	1.0	(1.1)	0.2	(1.1)
Parent Education Unknown	2.5	(1.3)	1.2	(1.3)	0.8	(1.2)
Full Academic Year	2.7	(1.3)	7.2	(1.4)	3.4	(1.4)
Grade 6 Score (Nov. 2005)	0.82	(0.02)				
Grade 7 Score (Nov. 2005)	0.86	(0.02)				
Grade 6 Score (Nov. 2006)	0.84	(0.02)	0.83	(0.02)		
Grade 7 Score (Nov. 2006)	0.98	(0.02)	0.98	(0.02)		
Grade 6 Score (Nov. 2007)			0.82	(0.02)	0.84	(0.02)
Grade 7 Score (Nov. 2007)			0.89	(0.02)	0.91	(0.02)
Grade 6 Score (Nov. 2008)					0.81	(0.02)
Grade 7 Score (Nov. 2008)					0.89	(0.02)

**Table 9. Coefficients from Elementary School Reading Value-Added Model**

Variable	Nov. 2005-Nov. 2007		Nov. 2006-Nov. 2008		Nov. 2007-Nov. 2009	
	Coeff.	Std. Err.	Coeff.	Std. Err.	Coeff.	Std. Err.
Female	1.4	(0.5)	1.0	(0.6)	1.7	(0.6)
S. E. Asian	-4.8	(1.9)	-2.2	(1.9)	-2.9	(1.8)
Other Asian	-0.7	(1.3)	-0.6	(1.3)	1.6	(1.3)
Black	-7.9	(0.9)	-7.2	(1.0)	-4.9	(1.0)
Hispanic	0.4	(1.3)	-2.1	(1.4)	-1.9	(1.3)
Native American	-4.9	(4.8)	2.6	(4.3)	-5.3	(4.2)
Biracial	-2.3	(1.0)	-4.7	(1.1)	-2.1	(1.1)
Disability (L.D.)	-11.1	(1.5)	-10.6	(1.5)	-5.5	(1.6)
Disability (Speech)	-6.3	(1.2)	-5.9	(1.3)	-3.6	(1.3)
Disability (Other)	-11.7	(1.2)	-7.8	(1.2)	-7.7	(1.2)
ELL (Beg./Int.)	-2.0	(1.4)	-1.1	(1.3)	-1.4	(1.3)
ELL (Adv.)	-1.2	(1.5)	1.3	(1.9)	1.6	(2.1)
Free Lunch	-4.2	(0.9)	-2.8	(0.9)	-2.6	(0.9)
Reduced-Price Lunch	-1.1	(1.3)	-0.4	(1.3)	-1.9	(1.3)
Free or R.-P. Lunch	-3.5	(2.4)	-1.2	(2.7)	11.9	(6.1)
Parent w/College Degree	6.3	(1.0)	4.1	(1.1)	1.8	(1.1)
Parent w/Graduate Degree	7.0	(1.0)	6.4	(1.1)	4.9	(1.1)
Parent w/o H.S. Diploma	0.2	(1.2)	0.9	(1.2)	-1.5	(1.3)
Parent w/Vocational Degree	2.8	(0.9)	1.9	(1.0)	0.2	(1.0)
Parent Education Unknown	6.3	(1.1)	4.5	(1.1)	1.7	(1.0)
Full Academic Year	0.7	(1.3)	2.0	(1.3)	2.8	(1.3)
Grade 3 Score (Nov. 2005)	0.94	(0.02)				
Grade 4 Score (Nov. 2005)	0.89	(0.02)				
Grade 5 Score (Nov. 2005)	0.84	(0.02)				
Grade 3 Score (Nov. 2006)	0.97	(0.02)	0.99	(0.02)		
Grade 4 Score (Nov. 2006)	0.90	(0.02)	0.91	(0.02)		
Grade 5 Score (Nov. 2006)	0.80	(0.02)	0.82	(0.02)		
Grade 3 Score (Nov. 2007)			1.01	(0.02)	1.02	(0.02)
Grade 4 Score (Nov. 2007)			0.92	(0.02)	0.93	(0.02)
Grade 5 Score (Nov. 2007)			0.89	(0.02)	0.91	(0.02)
Grade 3 Score (Nov. 2008)					1.00	(0.02)
Grade 4 Score (Nov. 2008)					0.88	(0.02)
Grade 5 Score (Nov. 2008)					0.85	(0.02)

**Table 10. Coefficients from Middle School Reading Value-Added Model**

Variable	Nov. 2005-Nov. 2007		Nov. 2006-Nov. 2008		Nov. 2007-Nov. 2009	
	Coeff.	Std. Err.	Coeff.	Std. Err.	Coeff.	Std. Err.
Female	-0.1	(0.7)	1.2	(0.7)	1.4	(0.6)
S. E. Asian	-1.5	(2.2)	-0.8	(2.2)	0.0	(2.1)
Other Asian	3.2	(1.8)	3.2	(1.7)	1.0	(1.6)
Black	-3.5	(1.1)	-4.7	(1.2)	-3.9	(1.1)
Hispanic	-1.3	(1.8)	-2.5	(1.7)	-0.5	(1.6)
Native American	-6.1	(5.6)	-12.7	(5.6)	-5.6	(6.2)
Biracial	-1.5	(1.3)	-0.5	(1.4)	-1.1	(1.3)
Disability (L.D.)	-10.3	(1.4)	-6.3	(1.5)	-1.7	(1.4)
Disability (Speech)	-3.9	(2.0)	-1.8	(2.0)	-3.4	(1.8)
Disability (Other)	-8.5	(1.3)	-5.5	(1.4)	-1.0	(1.3)
ELL (Beg./Int.)	-1.5	(1.8)	-0.2	(1.7)	0.4	(1.5)
ELL (Adv.)	2.9	(2.0)	0.1	(2.2)	-0.6	(2.6)
Free Lunch	-2.6	(1.1)	-0.7	(1.1)	-1.2	(1.0)
Reduced-Price Lunch	-0.8	(1.6)	-0.5	(1.6)	-0.8	(1.5)
Free or R.-P. Lunch	-3.3	(2.7)	-3.6	(3.1)	-3.5	(6.7)
Parent w/College Degree	1.7	(1.3)	2.2	(1.3)	1.2	(1.3)
Parent w/Graduate Degree	4.0	(1.3)	5.4	(1.3)	4.4	(1.3)
Parent w/o H.S. Diploma	0.2	(1.5)	0.7	(1.5)	-0.6	(1.4)
Parent w/Vocational Degree	0.3	(1.1)	2.1	(1.2)	-0.7	(1.1)
Parent Education Unknown	3.2	(1.5)	4.8	(1.5)	0.3	(1.3)
Full Academic Year	2.7	(1.6)	3.2	(1.6)	1.4	(1.5)
Grade 6 Score (Nov. 2005)	0.83	(0.02)				
Grade 7 Score (Nov. 2005)	1.01	(0.02)				
Grade 6 Score (Nov. 2006)	0.84	(0.02)	0.85	(0.02)		
Grade 7 Score (Nov. 2006)	0.95	(0.02)	0.96	(0.02)		
Grade 6 Score (Nov. 2007)			0.91	(0.02)	0.93	(0.02)
Grade 7 Score (Nov. 2007)			0.87	(0.02)	0.88	(0.02)
Grade 6 Score (Nov. 2008)					0.84	(0.02)
Grade 7 Score (Nov. 2008)					0.91	(0.02)