

Appendix O
Average Control Group Standard Deviations Used to Calculate Effect Sizes
in Analyses with Students from Multiple Grade Levels

Table O1				
Control Group Standard Deviations Used to Calculate Effect Sizes for Read 180 Impact Results at the End of Year 1 for Students in Each Grade and in All Grades Combined				
Spring 2007 Test Score	Control Group Standard Deviations *			
	6th Grade	7th Grade	8th Grade	All Grades (Average)
ITBS Total Reading	12.7	14.4	17.9	15.0
ITBS Comprehension	15.5	17.6	23.2	18.8
ITBS Vocabulary	16.0	19.1	21.1	18.7
TCAP Reading/LA	25.2	22.7	33.7	27.2
TCAP Mathematics	29.6	32.8	37.0	33.1
TCAP Science	15.6	17.3	14.7	15.9
TCAP Social Studies	17.8	15.6	15.3	16.2

* Standard deviations are based on the scores of the students who also had a valid 2006 baseline test score on the ITBS in the fall or the TCAP in the spring.

Table O2				
Control Group Standard Deviations Used to Calculate Effect Sizes for Read 180 Impact Results at the End of Year 2 for Students in Each Grade and in 7th and 8th Grades Combined				
Spring 2008 Test Score	Control Group Standard Deviations *			
	6th Grade	7th Grade	8th Grade	7th and 8th Grade (Average)
ITBS Total Reading	12.4	16.6	18.1	17.4
ITBS Comprehension	15.8	19.4	22.5	21.0
ITBS Vocabulary	14.5	19.4	22.5	21.6
TCAP Reading/LA	30.8	33.2	23.9	28.6
TCAP Mathematics	27.7	37.5	37.6	37.6
TCAP Science	17.3	15.8	17.3	16.6
TCAP Social Studies	16.2	12.0	13.5	12.8

* Standard deviations for 6th grade students are based on the scores of the students who also had a valid 2007 baseline test score on the ITBS in the fall or the TCAP in the spring. Standard deviations for 7th and 8th grade students are based on the scores of students who were (a) “stayers,” i.e., enrolled in one of the eight participating middle schools during Years 1 and 2 and (b) had a valid 2006 baseline test score on the ITBS in the fall or the TCAP in the spring.

Table O3				
Control Group Standard Deviations Used to Calculate Effect Sizes for MCLA Impact Results at the End of Year 1 for Students in Each Grade and in All Grades Combined				
Spring 2007 Test Score	Control Group Standard Deviations *			
	6th Grade	7th Grade	8th Grade	All Grades (Average)
ITBS Total Reading	20.8	22.6	26.2	23.2
ITBS Comprehension	24.6	28.0	34.2	28.9
ITBS Vocabulary	21.7	22.3	23.9	22.6
TCAP Reading/LA	31.2	27.9	30.5	29.9
TCAP Mathematics	31.2	35.9	36.3	34.5
TCAP Science	16.0	18.7	14.9	16.5
TCAP Social Studies	15.9	14.0	15.5	15.1

* Standard deviations are based on the scores of the students who also had a valid 2006 baseline test score on the ITBS in the fall or the TCAP in the spring.

Table O4				
Control Group Standard Deviations Used to Calculate Effect Sizes for MCLA Impact Results at the End of Year 2 for Students in Each Grade and in 7th and 8th Grades Combined				
Spring 2008 Test Score	Control Group Standard Deviations *			
	6th Grade	7th Grade	8th Grade	7th and 8th Grade (Average)
ITBS Total Reading	20.4	23.1	26.3	24.7
ITBS Comprehension	25.5	27.9	32.0	30.0
20.4	20.4	24.0	26.3	25.2
TCAP Reading/LA	33.7	26.7	29.0	27.8
TCAP Mathematics	33.3	31.8	31.4	31.6
TCAP Science	16.4	16.4	17.5	17.0
TCAP Social Studies	18.4	13.3	12.8	13.0

* Standard deviations for 6th grade students are based on the scores of the students who also had a valid 2007 baseline test score on the ITBS in the fall or the TCAP in the spring. Standard deviations for 7th and 8th grade students are based on the scores of students who were (a) “stayers,” i.e., enrolled in one of the eight participating middle schools during Years 1 and 2 and (b) had a valid 2006 baseline test score on the ITBS in the fall or the TCAP in the spring.

Table O5				
Control Group Standard Deviations Used to Calculate Effect Sizes for Read 180 and MCLA Interaction Impact Results at the End of Year 1 for Students in Each Grade and in All Grades Combined				
Spring 2007 Test Score	Control Group Standard Deviations *			
	6th Grade	7th Grade	8th Grade	All Grades (Average)
ITBS Total Reading	11.4	14.4	20.3	15.4
ITBS Comprehension	13.7	17.2	27.1	19.3
ITBS Vocabulary	15.2	19.6	21.1	18.6
TCAP Reading/LA	23.8	19.4	27.4	23.5
TCAP Mathematics	30.9	34.5	38.4	34.6
TCAP Science	16.8	17.4	12.7	15.6
TCAP Social Studies	18.2	16.1	15.6	16.6

* Standard deviations are based on the scores of the students who also had a valid 2006 baseline test score on the ITBS in the fall or the TCAP in the spring.

Table O6				
Control Group Standard Deviations Used to Calculate Effect Sizes for Read 180 and MCLA Interaction Impact Results at the End of Year 2 for Students in Each Grade and in 7th and 8th Grades Combined				
Spring 2008 Test Score	Control Group Standard Deviations *			
	6th Grade	7th Grade	8th Grade	7th and 8th Grade (Average)
ITBS Total Reading	13.0	16.2	18.1	17.2
ITBS Comprehension	15.7	18.5	22.5	20.5
20.4	16.6	20.2	22.4	21.3
TCAP Reading/LA	33.4	28.7	21.0	24.8
TCAP Mathematics	31.3	33.4	34.5	34.0
TCAP Science	16.6	16.5	17.1	16.8
TCAP Social Studies	18.4	11.8	12.1	12.0

* Standard deviations for 6th grade students are based on the scores of the students who also had a valid 2007 baseline test score on the ITBS in the fall or the TCAP in the spring. Standard deviations for 7th and 8th grade students are based on the scores of students who were (a) “stayers,” i.e., enrolled in one of the eight participating middle schools during Years 1 and 2 and (b) had a valid 2006 baseline test score on the ITBS in the fall or the TCAP in the spring.