



# **Evaluation of the Florida Tax Credit Scholarship Program**

## **Participation, Compliance and Test Scores in 2018-19**

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## EXECUTIVE SUMMARY

This report details the 2018-19 academic year evaluation for the Florida Tax Credit Scholarship (FTC) Program, as required by the 2019 Florida Statutes, s. 1002.395(9)(f). The thirteenth in a series of reports, this evaluation is the sixth of those conducted by the Florida State University, Learning Systems Institute (LSI). This report provides a summary of key findings, details about test score collection, 2018-19 test score results of program participants, gain scores from 2017-18 to 2018-19 of program participants, school-level average gain scores for schools with at least 30 participating students, attributes of new program participants in 2018-19, and the performance of program participants who return to Florida public schools.

Similar to the several most recent reports, this report also does not compare the performance of FTC students to public school students. Due to the difference in the tests that each group takes, such a comparison may not be valid.

LSI was designated as the independent research organization and was directed to conduct the annual evaluation of the Florida Tax Credit Scholarship Program. This report presents data collected by LSI for students participating in the 2018-19 academic year. The main findings include:

### Participating private school compliance with protocol:

- Compliance with program testing requirements was high in 2018-19. Participating private schools reported test scores for 93.3 percent of program participants in grades 3-10. This was slightly lower than the last year's score reporting (94.0 percent). Compared to the last year, the percentage of students with missing or unusable tests was somewhat higher in 2018-19 at 2.8 percent. This rate was 0.8 percent last year. The higher rate is due to several factors, including schools using tests not listed on the Florida Department of Education (FLDOE) list of approved assessments and unresponsive schools.

### Differential program participation rates for different groups of students and families:

- Newly participating FTC students in 2018-19 were more likely to be black, and less likely to be Hispanic or white than non-participant eligible students. Also, they were less likely to be English-language learners than were non-participants. The share of new FTC students who were free-lunch eligible was somewhat higher than the share of free-lunch eligible, non-participant students. Lastly, compared to eligible non-participant students, new FTC students had poorer test performance both in English Language Arts (ELA) and math before entering the FTC Program and they tended to come from lower-performing public schools.

- Former FTC students who returned to the public schools had poorer test performance in both reading and math during their last year in the FTC Program, compared to FTC students who remained in the FTC Program. Specifically, FTC students who returned to the public schools had a 45.3<sup>rd</sup> normal curve equivalent score in reading and a 43.6<sup>th</sup> normal curve equivalent score in math, while FTC students who remained in the program scored at the 47.4<sup>th</sup> normal curve equivalent in reading and the 45.4<sup>th</sup> normal curve equivalent in math.
- Former FTC students who returned to the public schools also had lower performance in both ELA and math during their first year back in the public schools, compared to low-income public school students who never participated in the FTC Program. Former FTC students who returned to the public schools performed at the 37.0<sup>th</sup> Florida percentile in ELA and the 36.6<sup>th</sup> Florida percentile in math, while other subsidized meal-eligible public school students who never participated in the FTC Program performed at the 43.7<sup>th</sup> Florida percentile in ELA and the 42.2<sup>nd</sup> Florida percentile in math.

Test scores of program participants, 2018-19:

- FTC students scored at the 47.3<sup>rd</sup> normal curve equivalent in reading and the 42.4<sup>th</sup> normal curve equivalent in math.
- In terms of gains in math and reading from 2017-18 to 2018-19, the typical FTC student tended to maintain his or her relative position in comparison with all students nationally both in math and reading. It is important to note that the FTC students are being compared to all students nationally and not just students from low-income families.

## **1. BACKGROUND**

This report details the 2018-19 academic year evaluation results of the Florida Tax Credit Scholarship Program, as required by the 2019 Florida Statutes, s. 1002.395(9)(f). The thirteenth in a series of reports, this evaluation is the sixth of those conducted by the Florida State University Learning Systems Institute. This report provides a summary of key findings, details about test score collection, 2018-19 test score results of program participants, gain scores from 2017-18 to 2018-19, test score gains of individual schools with at least 30 or more students, attributes of new program participants in 2018-19, and the performance of program participants who return to Florida public schools. Similar to the six previous reports, this report also does not compare the performance of FTC students to public school students. Due to the difference in the tests that each group takes, such a comparison may not be valid. While FTC students take a nationally norm-referenced test, public school students take the Florida Standards Assessments (FSA) Test. Because there is no correspondence between the FSA and the nationally norm-referenced tests that FTC students take, the independent research organization tasked with this evaluation, the Learning Systems Institute (LSI), holds that it is not valid to make these comparisons.

Pursuant to the Florida Statutes, s. 1002.395(9)(f) that require an independent evaluation of the Florida Tax Credit Scholarship Program, the Learning Systems Institute has been tasked with conducting these annual evaluations of the FTC Scholarship Program since the year 2014. This report provides the results of the 2018-19 academic year evaluation of the Florida Tax Credit Scholarship Program.

## 2. TEST SCORE COLLECTION IN 2018-19

### Data collection protocol

As mandated by the 2019 Florida Statutes, s. 1002.395(8)(b)(1), participating private schools administered a nationally norm-referenced test approved by the Florida Department of Education. The state designates an approved list of tests from which to choose: the ACT Aspire, Basic Achievement Skills Inventory, Comprehensive Testing Program, Curriculum Associates i-Ready Assessments, Educational Development Series, Iowa Assessments, Iowa Tests of Basic Skills, Iowa Tests of Educational Development, Kaufman Test of Educational Achievement, NWEA Measures of Academic Progress, Pivot INSPECT Summative Assessment, PSAT/NMSQT, Scantron Performance Series, Stanford Achievement Test, STAR (Math Enterprise, Reading Enterprise), TerraNova, or Wide Range Achievement Test. Alternatively, participating students may be administered the FSA in accordance with 1002.395(7)(e).

Data collection took place during the year 2018-19, in which private schools sent students' test scores to the Learning Systems Institute. The 1,542 private schools that had participating students in grades 3 through 10 during the 2018-19 school year were contacted by the Learning Systems Institute in fall 2018, spring 2019 and again throughout spring and summer 2019 to encourage compliance with score reporting. Schools were provided a roster of participating FTC students in grades 3 to 10, which was obtained in late fall 2018 from the Scholarship Funding Organizations.<sup>1</sup> From

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<sup>1</sup> This roster is based on actual payments made to schools and is thus thought to contain a more precise representation of participating students than rosters from earlier in the school year.

the 1,542 private schools with participating FTC students, 60,081 students were enrolled in grades 3 to 10, the grades mandated for testing per the 2019 Florida Statutes, s. 1002.395(8)(b)(1). If schools had any missing or invalid student scores, they were instructed to provide an explanation backed by evidence, most commonly in the form of a notarized letter, for each missing or invalid student score.

### **Participating private school compliance with protocol**

#### Score reporting in 2018-19

A large majority of schools were in compliance with test score reporting for the academic year 2018-19. Regarding test score submission, most schools sent photocopied test score sheets that had been scored by the testing company. In a small number of cases where tests had been hand-scored, schools were instructed to send detailed test administration and scoring procedures. Throughout the spring and summer of 2019 the Learning Systems Institute followed up with schools that had sent invalid test score results, including missing or incomplete test scores.

Test score sheets were sent to LSI where they were stored in a locked room. As test score data was received, two data entry staff members recorded students' test scores and test information on a spreadsheet saved to a secure password-protected server. The scores were then reconciled with the hard copy scores to ensure the highest accuracy. Score sheets are shredded one year after this double-entry and reconciliation procedure to ensure student privacy as mandated by s. 1002.22(2)(d) of the Florida Statutes.

To obtain information about prior public schooling records, the electronic database of students' test scores, including information from student scholarship applications provided by the Scholarship Funding Organizations, was sent to the Florida Department of Education (FLDOE) using its secure file share system. FTC student records were matched to FLDOE records in order to include information about students' FSA scores, public schooling history, free/reduced lunch status, limited English proficiency, and disability status. A unique FLDOE identification number replaced students' identifying information. The FLDOE then returned via secure file share the matched and comparison data that were de-identified and stripped of any personal information. These de-identified data were then used for analysis.

There were 1,542 FTC participating schools with students in the relevant grades in 2018-19. The vast majority of the FTC participating schools provided evidence of test administration consistent with the specifications of the program. Seven participating schools, serving 21 testing-eligible students, closed or did not participate in the program following the 2018-19 school year and hence did not provide test scores. Twenty-three schools, serving 262 students, did not administer tests to or report scores for any participating students.<sup>2</sup> There were 60,081 students in relevant grades participating in the FTC Program in 2018-19. Valid, legible test scores were received for 56,043 FTC students, which represents 93.3 percent of all expected test scores received.

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<sup>2</sup> LSI reported these non-compliant schools to the Florida Department of Education.

Table 1: Distribution of score reporting percentages: 2018-19 and prior ten years

	Academic year										
	08-09	09-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19
Legible, valid scores received	89.8	91.3	93.5	96.4	92.3	90.0	95.9	95.6	95.8	94.0	93.3
Not enrolled at time of testing	5.6	5.8	3.5	2.1	5.1	0.8	0.4	2.2	1.5	4.0	2.9
Ineligible for testing	0.6	0.6	0.4	0.4	1.2	0.4	0.3	0.3	0.4	0.3	0.2
School closed/suspended	0.9	0.9	0.4	0.1	0.7	0.2	0.2	0.1	0.2	0.3	0.0
Student sick/absent	1.9	1.9	0.8	0.9	0.6	0.7	0.6	0.6	0.9	0.7	0.8
Missing/unusable test	1.2	1.2	0.3	0.3	1.2	7.9	2.5	1.1	1.1	0.8	2.8
Note: Percentages may not add up to 100 due to rounding.											

The rate of legible, valid scores received was high in 2018-19. As seen in Table 1, private schools reported test scores for 93.3 percent of program participants in grades 3-10. This is slightly lower than the last year's score reporting (94.0 percent). Compared to the last year, the percentage of students with missing or unusable tests was somewhat higher in 2018-19 at 2.8 percent. This rate was 0.8 percent last year. The reason that we observed an increase in the percentage of students with missing or unusable tests in 2018-19 was due to several factors, including schools using tests not listed on the FLDOE list of approved assessments and unresponsive schools. The other categories of score reporting remained at levels comparable to those observed in recent years.

Table 2: Distribution of percent and number of students with legible, valid scores: 2018-19 and prior ten years.

Academic Year	Number of students	Number of students with legible, valid scores	Percent of students with legible, valid scores
2008-2009	11,508	10,333	89.8
2009-2010	15,151	13,829	91.3
2010-2011	17,724	16,575	93.5
2011-2012	19,284	18,583	96.4
2012-2013	26,595	24,534	92.3
2013-2014	30,036	27,020	90.0
2014-2015	36,106	34,469	95.9
2015-2016	43,270	41,372	95.3
2016-2017	55,148	52,580	95.8
2017-2018	62,429	58,716	94.0
2018-2019	60,081	56,043	93.3

In 2018-19 the number of students in relevant grades participating in the program was 60,081. This is somewhat lower compared to 2017-18, where the number of students in relevant grades participating in the program was 62,429. As can be seen in Table 2, the number of enrolled students in relevant grades is higher in recent years compared to early years of the program.

Comparison of students with legible, valid test scores to scholarship population

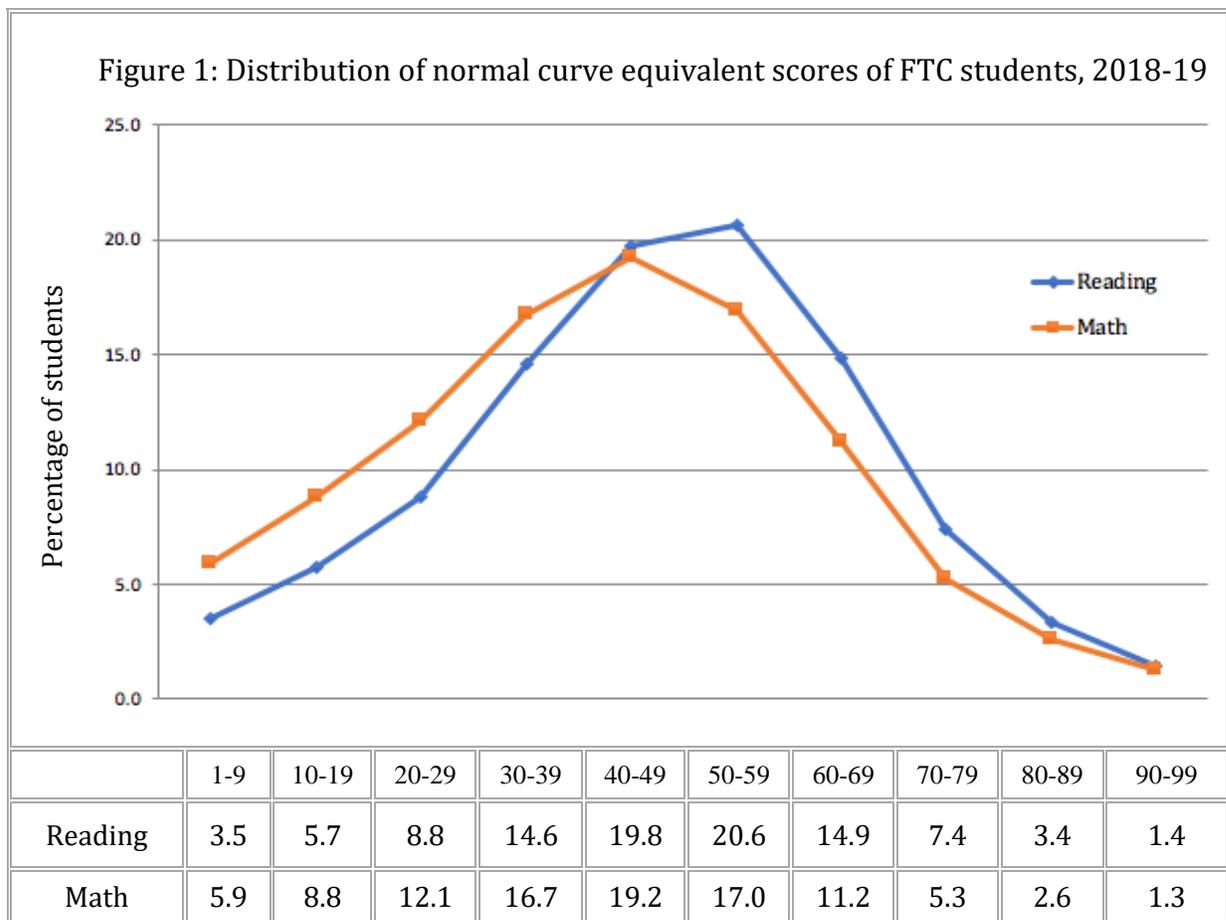
Although the rate of successful score reporting was high in 2018-19 at 93.3 percent, there were 6.7 percent of students whose expected scores were not received. Thus, it was still important to examine whether the students whose test scores were successfully reported are comparable to the population enrolled in 2018-19.

For this analysis, we used data from the families' scholarship applications. We found differences between students whose test scores were successfully reported and those whose scores were not successfully reported in terms of their family incomes, their parents' marital status, their gender and race. This finding was consistent with previous years' findings. Students whose scores were successfully reported come from families with higher incomes (averaging \$28,376 versus \$25,458) and with parents more likely to be married (47.2 percent versus 40.2 percent). Moreover, students whose scores were successfully reported were more likely to be white (27.4 percent) and female (51.8 percent), compared to students with no test scores (25.7 percent white and 50.5 percent female). We cannot make any claims about whether students with missing test scores would have had higher or lower gain scores than those with test scores available.

### **3. TEST SCORES OF FTC STUDENTS IN 2018-19**

We report test scores in the form of the normal curve equivalent (NCE) scores. The NCE is a normalized standard score with a mean of 50 and a standard deviation of 21.06. The scale corresponds to national percentile ranks (NPR) at 1, 50, and 99. As reported in the previous section, schools administered different nationally norm-referenced tests approved by the Florida Department of Education. Reporting test scores as normal curve equivalent scores ensures reasonable comparability across schools and program participants. Moreover, normal curve equivalent scores convey information about students' rankings compared with normal standards.

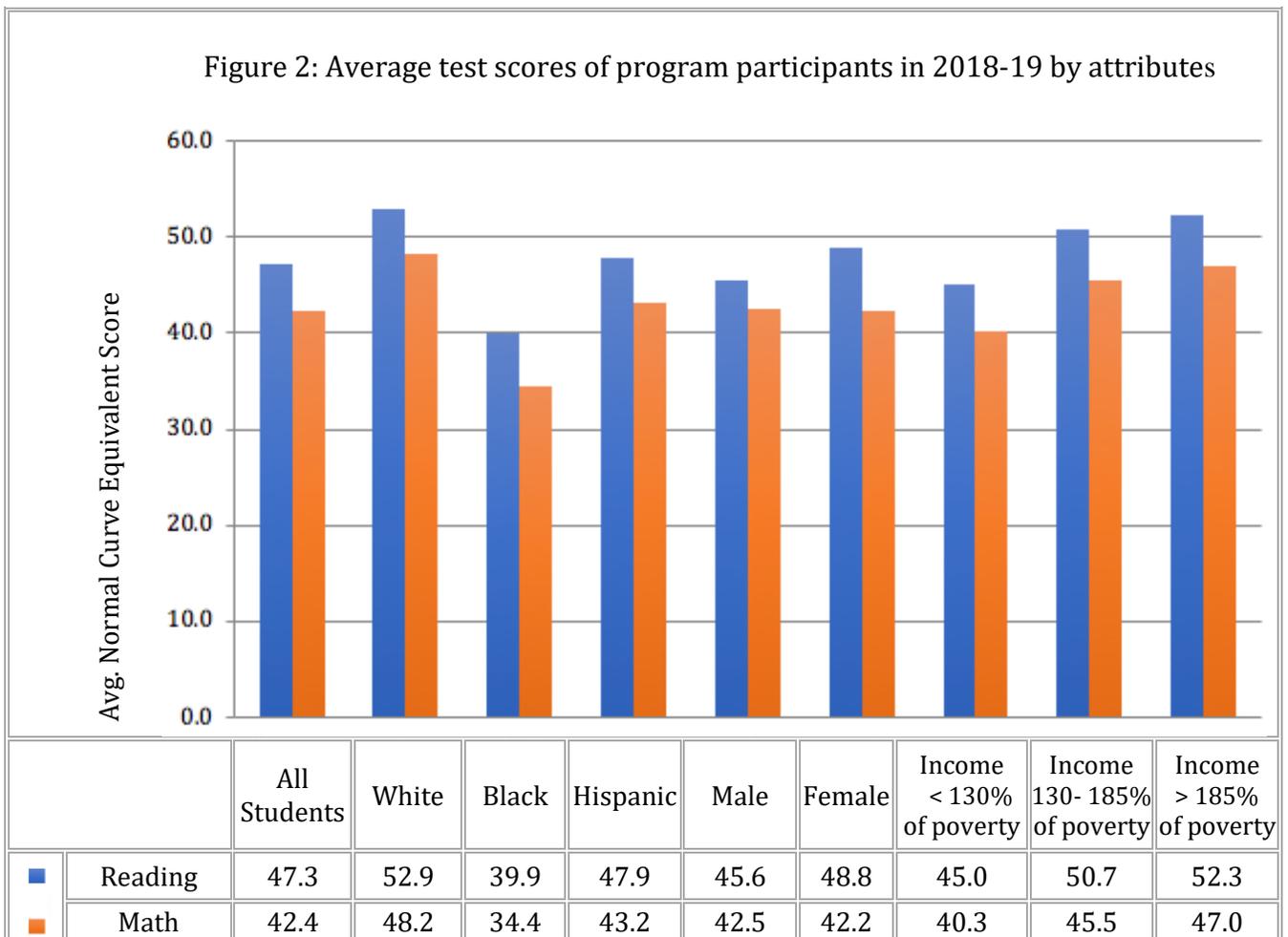
Figure 1 presents the basic distribution of reading and math scores of FTC students participating in the program in 2018-19. Most of the students were in the middle of the test score distributions. The average normal curve equivalent score for FTC students was 47.3<sup>rd</sup> in reading and 42.4<sup>th</sup> in math in 2018-19. In terms of corresponding national percentile rankings, the typical student in the FTC Program scored at the 44<sup>th</sup> national percentile in reading and the 35<sup>th</sup> national percentile in math.



### Average test scores in 2018-19 by attributes of program participants

We provided a breakdown of test scores of 2018-19 program participants by

race/ethnicity, gender, and family income. Family income is expressed in terms of likely eligibility for the federal free or reduced lunch program based upon self-reported income collected from the Scholarship Funding Organizations (SFOs).<sup>3</sup> Students from families who have incomes below 130 percent of the federal poverty line are eligible for free school meals, while those from families with incomes between 130 and 185 percent of the poverty line are eligible for reduced-price meals.



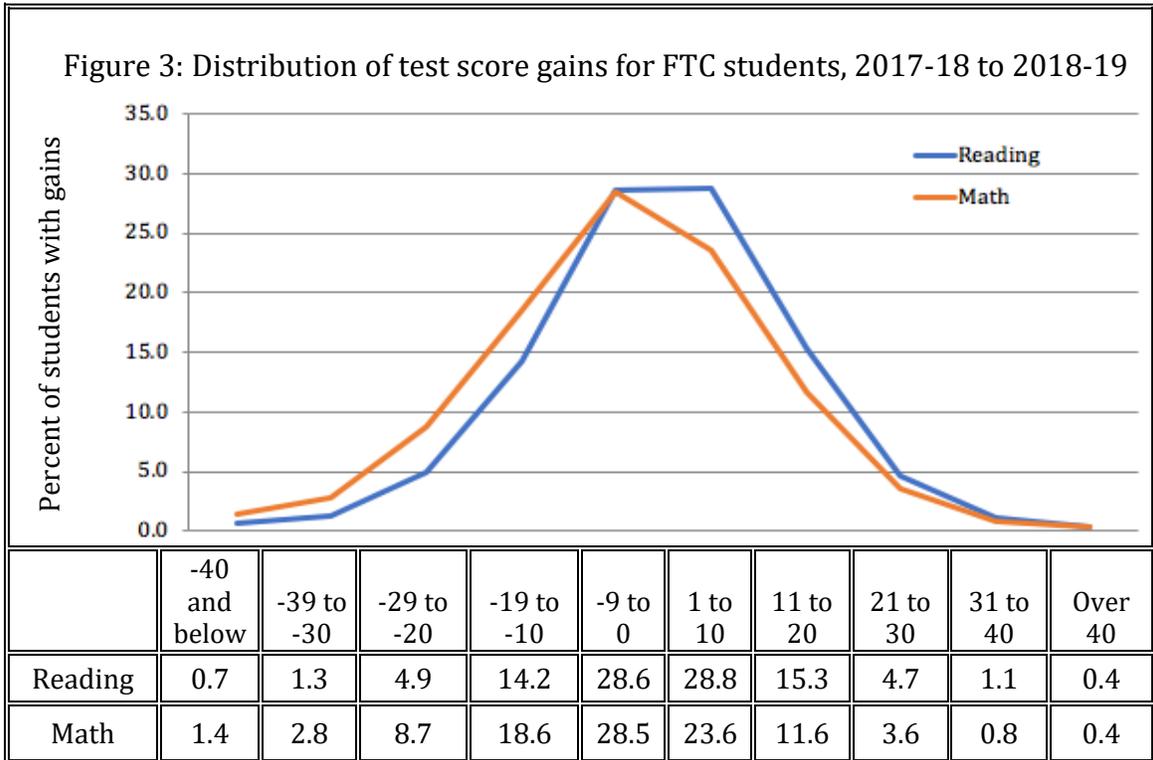
<sup>3</sup> LSI used data from the SFOs for these analyses.

As seen in Figure 2, white participants had higher mean scores than black and Hispanic participants. While mean scores of males and females were not different in math, females tended to perform better than males did in reading. Lastly, relatively higher-income families tended to score better than relatively lower-income families. These figures were similar to the figures reported in previous years.

#### **4. GAIN SCORES FROM 2017-18 TO 2018-19**

##### **Test score gains for FTC students**

Test score gains for FTC students are calculated as required by the 2019 Florida Statutes, s. 1002.395(9)(f). Gain scores can be interpreted as changes in normal curve equivalent scores for program participants from 2017-18 to 2018-19 since test scores in both years are measured in terms of normal curve equivalent scores. We should note that this analysis is vulnerable to ceiling effects (where students whose scores were high in 2017-18 cannot gain much more) and floor effects (where students whose scores were low in 2017-18 cannot lose much more ground). Ceiling and floor effects were of less concern for students whose initial score falls in the middle portions of the initial test score distributions, which was the case for the majority of students participating in the FTC Scholarship Program.



Gain scores were calculated for 40,524 FTC students with legible reading scores and 40,515 FTC students with legible math scores in both 2017-18 and 2018-19. Figure 3 presents the basic distribution of reading and math gain scores of FTC students participating in the program in 2018-19. While most of the students were in the middle of the gain score distributions, considerable variation in the individual student gain scores was observed. The mean gain score for FTC students was 0.4 normal curve equivalent in reading and -3.2 normal curve equivalent in math. The normal curve equivalent score in reading corresponds to a similar national percentile rank score in reading. In math, the normal curve equivalent score corresponds to about a -1.5 national percentile rank score. This means that the typical FTC student tended to maintain his or her relative position in comparison with others nationwide.

It is important to note that these national comparisons pertain to all students nationally, and not just students from low-income families. However, we cannot make any claims about whether gain scores of FTC students would have been higher or lower if they were compared against only students from low-income families nationally.

### School-level differences in average gain scores, 2017-18 to 2018-19

We calculated average gain scores from 2017-18 to 2018-19 at the school level as well. Individual level variation in the gain scores examined in the preceding section was composed of both individual and school level differences. By using gain scores aggregated to the school level, we examined the variation in gain scores across schools.

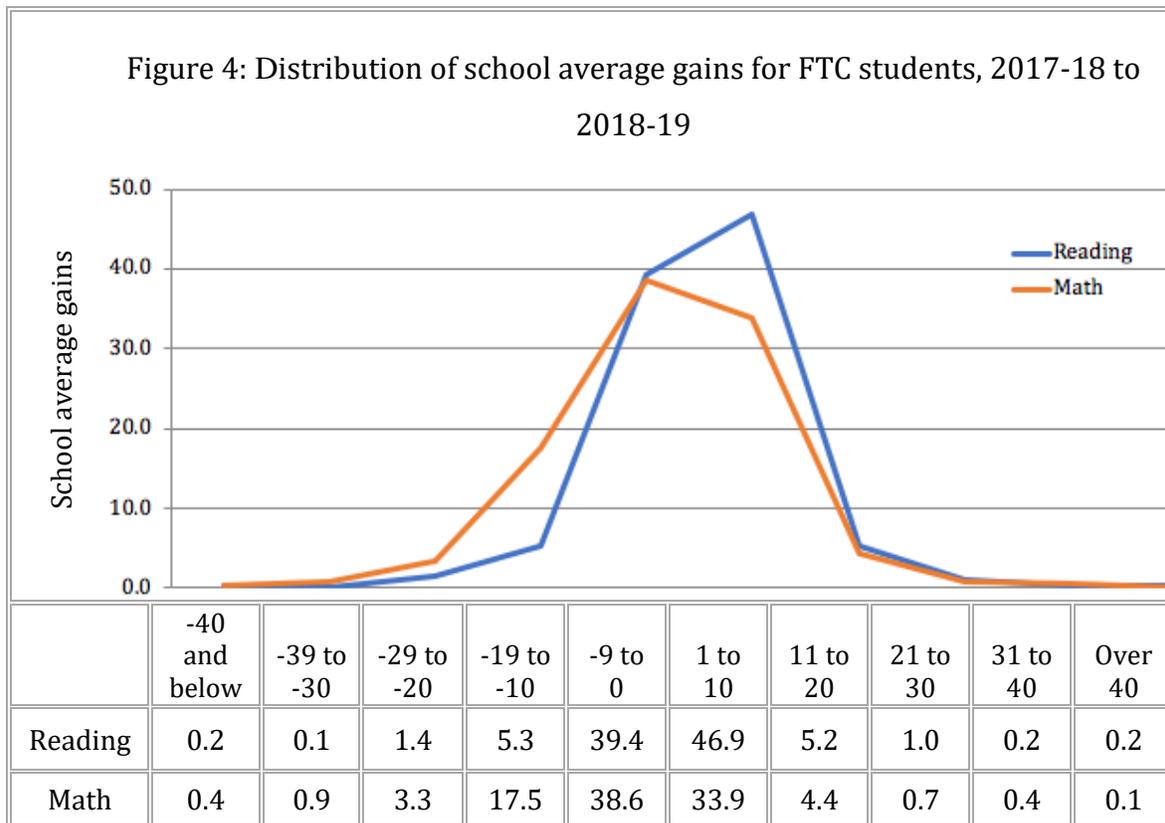
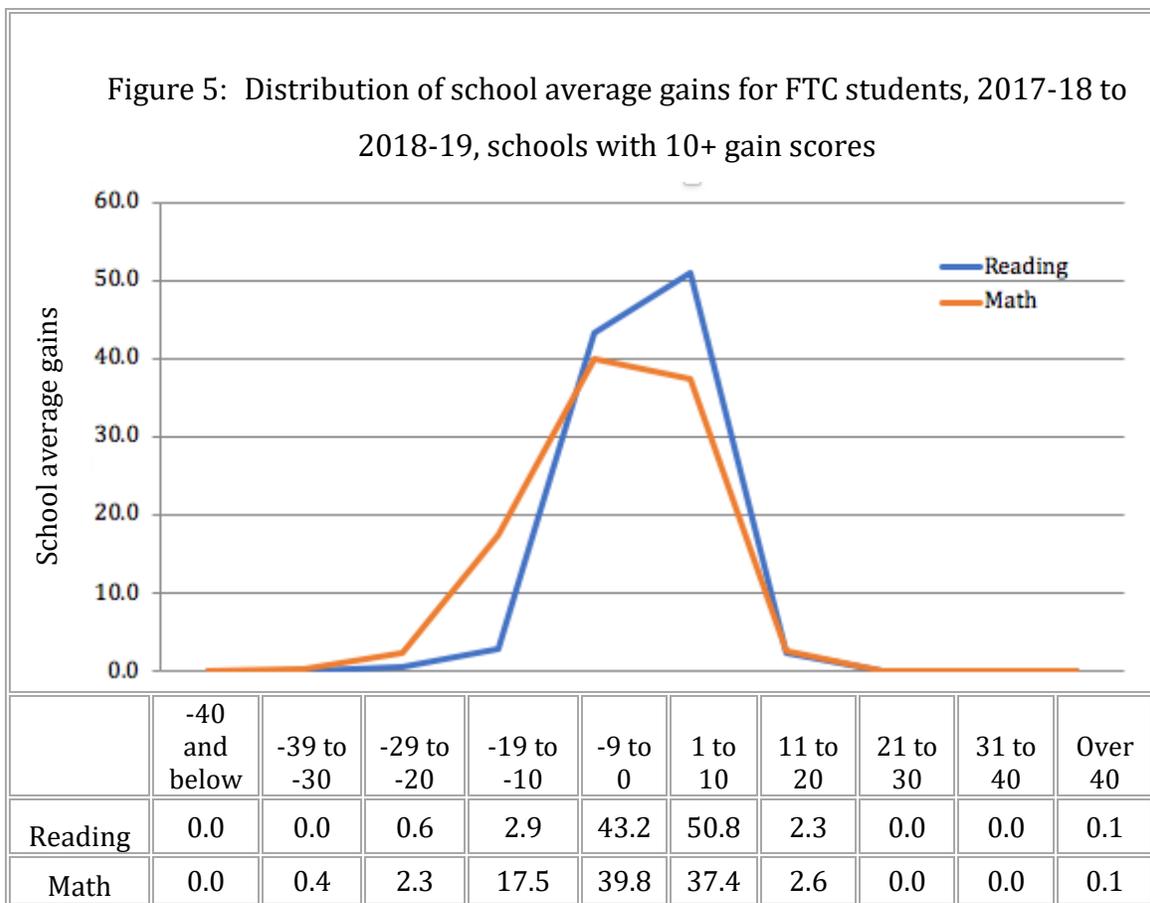


Figure 4 presents the basic distribution of school average reading and math gain scores for FTC students participating in the program in 2018-19. The average gain scores were concentrated in the middle of the distribution. Of the average gain scores, 86.2 percent of the schools had an average gain score in reading between -10 to 10 points. In math, although relatively less average gain scores were concentrated in the middle of the distribution compared to reading, the majority of the scores (72.7 percent) were still between -10 to 10 points.



It is important to note that observed between-school variation in Figure 4 doesn't reflect "true" school-level differences since noise in individual test scores is still manifested as part of the school-level average gain scores. The degree to which

school-average gains reflect “true” school effects increases as the number of students in the school increases. For example, when we looked at the same distribution only including schools with more than ten FTC students, the distribution of school-average gains became more compressed. As can be seen in Figure 5, 94.0 percent of school average gains in reading and 77.2 percent of school average gains in math were between -10 to 10 points. In Figure 4, these numbers were 86.2 percent and 72.5 percent, correspondingly. These findings suggest that there was a non-trivial contribution of the noise to the between-school variability observed in Figure 4, especially in reading.

### **Individual school average gain scores, 2017-18 to 2018-19**

We calculated average gain scores for schools with 30 or more participating students as required by the relevant Florida statutes. It is important to note that average gain scores are not a definitive measure of a school’s performance. They only serve as one among many other indicators of a school’s performance.

The average gain score for a school in a single year can be an extremely noisy measure of a school's contribution to student test scores. As discussed in the previous section, this measure is less reliable for schools where a small number of students contribute to the average school gain score. As the number of students gets smaller in a given school, the likelihood of noise dominating the average gain score increases. Examining average gain scores only for schools with 30 or more participating students increased the likelihood of getting a more precise measure of average gain scores of individual schools.

In addition to the average gain scores for 2018-19, we also calculated average gain scores over three years from 2016-17 through 2018-19. This added extra observations for schools and hence provided more accurate average gain scores for individual schools. Moreover, school gain scores calculated by a three-year moving average of gain scores is less likely driven by “regression to the mean” compared to one-year average gain scores. Regression to the mean is the phenomenon that if a variable, such as a test score, is extreme on its first measurement, it will tend to be closer to the average on its second measurement and, if it is extreme on its second measurement, it will tend to have been closer to the average on its first. In this context, if a school had particularly high average scores in 2017-18, the likelihood of observing a negative average gain score for that school in 2018-19 increases. On the other hand, if a school had particularly low average scores in 2017-18, the likelihood of observing a positive average gain score in 2018-19 for that school increases. Using average gain scores across the last three years balances out particularly positive and particularly negative scores over time, and thus helps to lessen the likelihood of making faulty inferences driven by regression to the mean. The risk of having faulty observed results due to regression to the mean is another reason to treat one-year average gain scores for individual schools extremely cautiously.

Average gain scores for the 465 schools that submitted valid test scores for 30 or more students in both 2017-18 and 2018-19 are reported in the Appendix. Gain scores are reported for reading, math, and combined reading and math (by averaging schools’ average reading and math scores) for 2018-19 as well as for the last three years’ average. Since a three-year moving average is a more reliable measure of a

school's average gain scores than one year's gain scores, we based inferences on the three-year average gain scores. We identified schools with average gain scores that are statistically distinguishable from zero (at the 95 percent confidence level in a two-tailed test). We highlighted the cells if the three years average gain score—either positively or negatively—was statistically significant from zero.

When interpreting gain scores, one should keep in mind that an average gain score of zero means that, on average, students in that school are maintaining their position relative to the national distribution. It doesn't mean that students in that school are not gaining. If a school has statistically positive average gain, it means that, on average, students in that school improved their position in the national distribution (with 95% certainty). If a school has statistically negative average gain, it means that, on average, students in that school worsened their position in the national distribution (with 95% certainty).

## **5. ATTRIBUTES OF NEW PROGRAM PARTICIPANTS IN 2018-19**

Previous reports noted that newly participating FTC students tended to be lower achieving and more disadvantaged than students who were eligible for the program but did not participate. We examined attributes of new FTC students in 2018-19 in order to see whether they were systematically different from eligible non-participant students before participating in the FTC Program in 2018-19 as well.

In order to make plausible comparisons among students who spent the 2017-18 academic year in Florida public schools, we compared students who entered the FTC Scholarship Program in 2018-19 to subsidized school meal eligible students who

did not enter the program in that year but stayed free or reduced-price lunch eligible in 2018-19. We excluded students with disabilities who could participate in the McKay Scholarship Program. We limited the analysis to students who had taken either a reading or math test in public school in 2017-18. We also restricted analysis to students who would be in grade 10 or below in 2018-19.<sup>4</sup> With these criteria, we compared 3,082 new students in the FTC Scholarship Program in 2018-19 to 681,947 students who remained in the public schools and continued on subsidized school lunches in 2018-19. We used Florida Department of Education records for these comparisons.

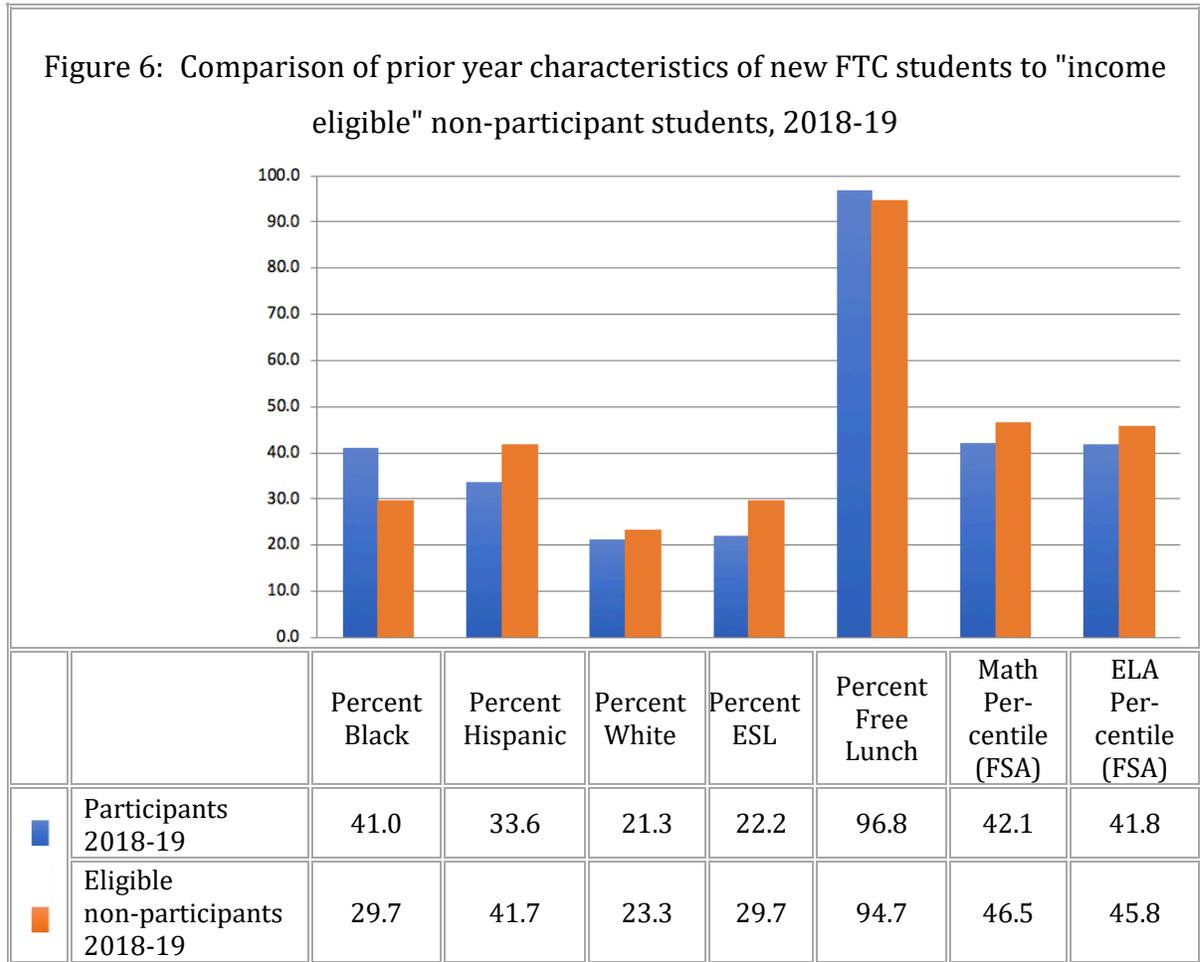
### **Comparison of characteristics of new FTC students and non-participant students**

Newly participating FTC students in 2018-19 were more likely to be black and less likely to be Hispanic or white than students who were eligible but did not participate as seen in Figure 6. Also, they were less likely to be English-language learners than were non-participants. While both new FTC students and non-participant students were eligible for subsidized lunch in the 2017-18 school year, the share of new FTC students who were free-lunch eligible was somewhat higher than the share of free-lunch eligible, non-participant students. Lastly, compared to eligible non-participant students, new FTC students had poorer test performance both in ELA and math before entering the FTC Program.

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<sup>4</sup> Students who were in grade 10 in 2017-18 are excluded since they are not tested in 2018-19.

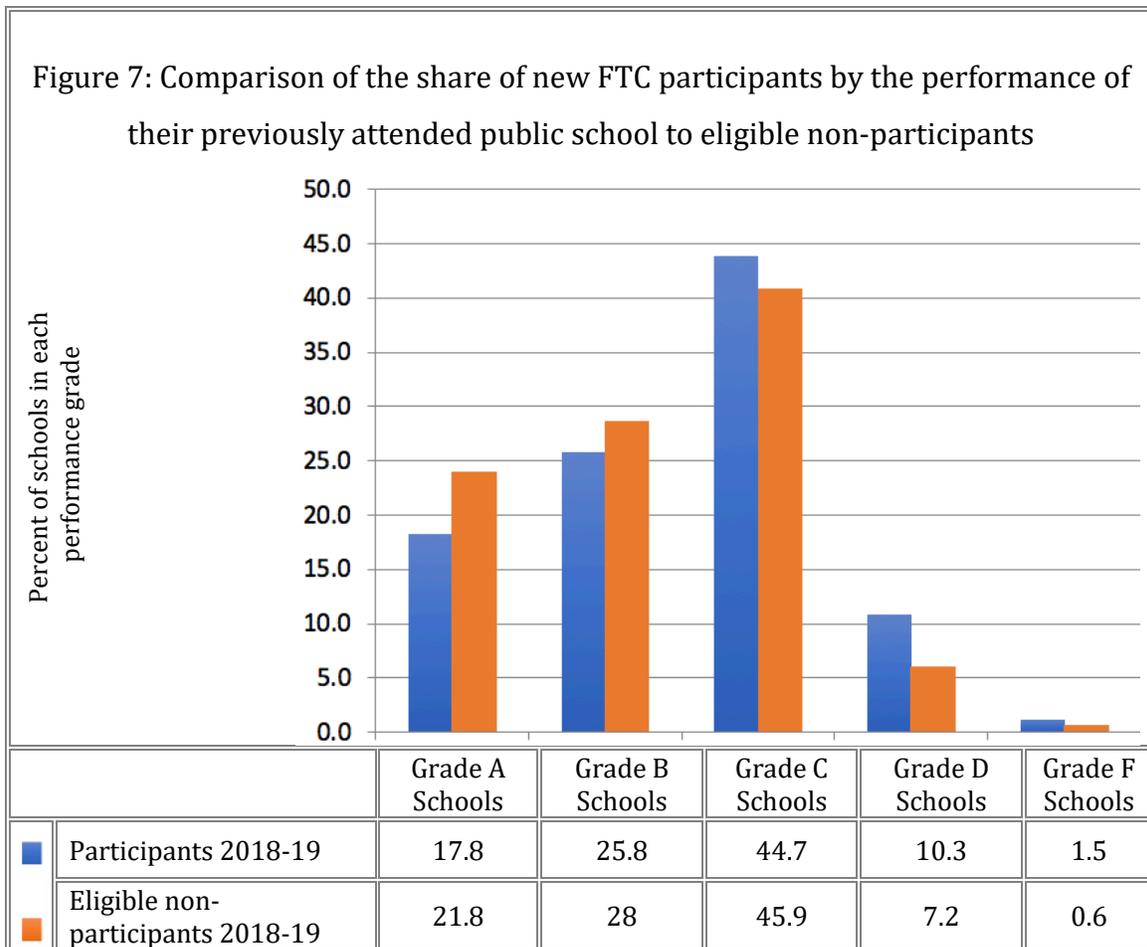
Figure 6: Comparison of prior year characteristics of new FTC students to "income eligible" non-participant students, 2018-19



**Comparison of new FTC students and non-participant students in terms of performance of their schools in 2017-18**

In Florida, each public school is assigned a school grade (A-F) based on student performance. We compared new FTC students and eligible non-participant students in terms of the performance of the schools that they attended in the 2017-18 school year. We observed that the percentage of new FTC students who came from high performing public schools is lower than the percentage of eligible non-participant students. On a scale of A-F, with A being the highest performing schools, 18.3 percent

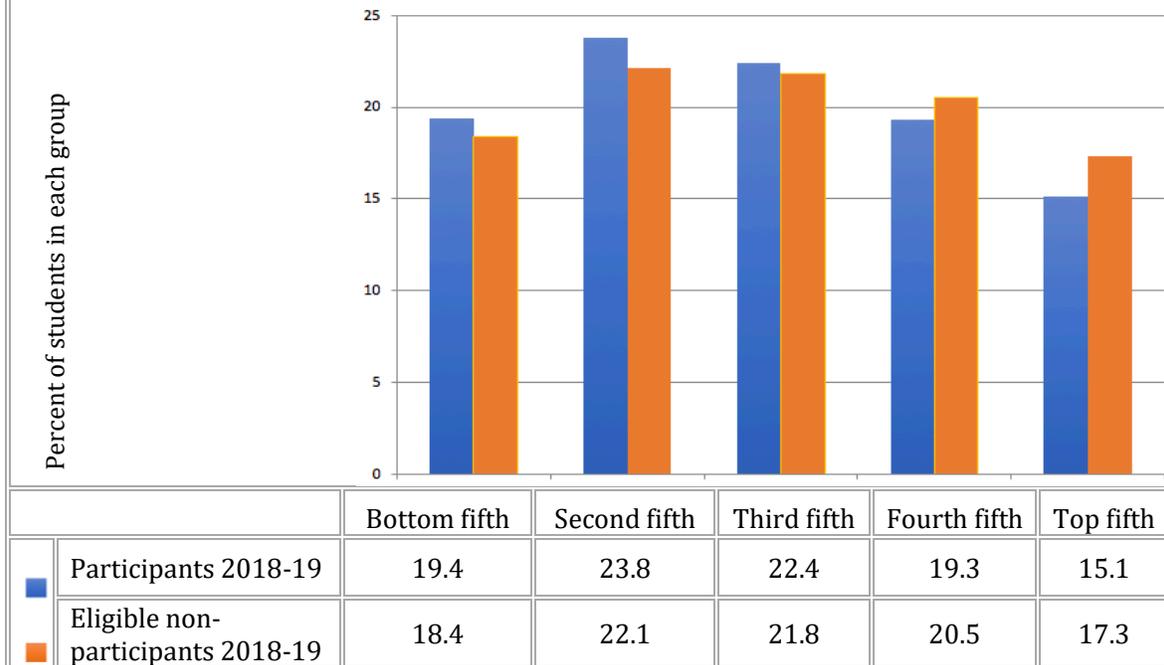
of new FTC students were in schools graded "A", before attending a school in the FTC Program, while 24.0 percent of eligible non-participant students were in schools graded "A" in the 2017-18 school year. At the other end of the spectrum, 12.0 percent of new FTC students were in schools graded "D" or "F", as compared with 6.6 percent of eligible non-participant students who were in schools graded "D" or "F" (see Figure 7).



### **Comparison of new FTC students and non-participant students within their schools in terms of performance in 2017-18**

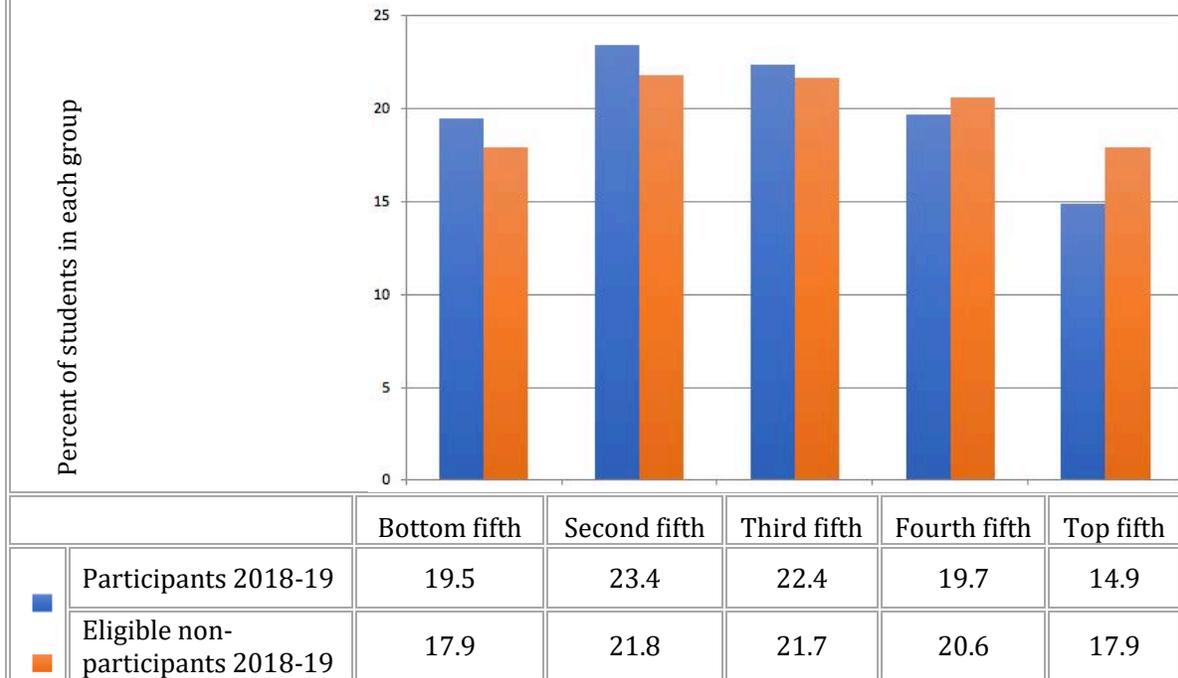
We also examined new FTC students' performance relative to eligible non-participant students in their own schools before entering the FTC Program. In the previous years, FTC students were more likely to be low performing students in their schools before attending the program regardless of the performance of the school that they were in. A similar pattern was observed this year (see Figure 8). The percentage of new FTC students in the bottom fifth of their prior public school's ELA FSA test score distribution was higher (19.4 percent) than non-participating students (18.4 percent). At the top fifth of the distribution, as observed in the previous years, the percentage of new FTC students was lower (15.1 percent) compared to non-participating students (17.3 percent).

Figure 8: Comparison by quintile of new FTC students in 2018-19 to eligible non-participant students of school ELA FSA score distribution



For the math FSA test score distribution, 19.5 percent of new FTC students were in the bottom fifth of their prior public school’s math distribution, while 17.9 percent of non-participating eligible students were in the bottom fifth of the distribution. At the top of the math test score distribution, 14.9 percent of new FTC students were in the top fifth of the distribution, as compared with 17.9 percent of eligible non-participating students in the top fifth of the distribution (see Figure 9).

Figure 9: Comparison by quintile of new FTC students in 2018-19 to eligible non-participant students of school math FSA score distribution



Findings regarding the attributes of new program participants suggest that new FTC students in 2018-19 - compared to free-lunch eligible, non-participant students - were relatively lower-performing prior to entering the FTC Program. Moreover, they were more likely to come from low performing public schools and less likely to be high performing students in their prior public schools before attending the program.

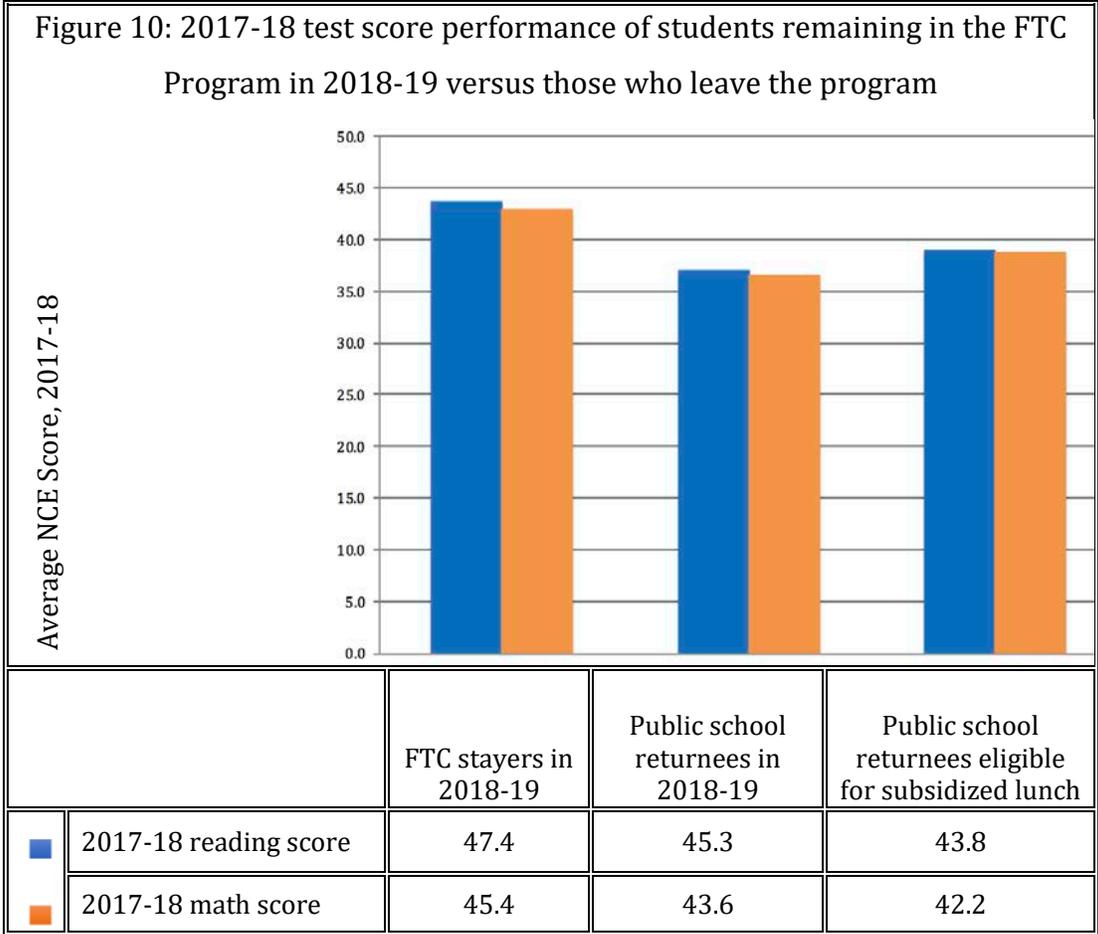
## **6. PERFORMANCE OF PROGRAM PARTICIPANTS WHO RETURN TO FLORIDA PUBLIC SCHOOLS**

In this section we compared FTC students who returned to public schools in 2018-19 after participating in the FTC Program to those who remained in the FTC

Program in 2018-19. We also compared program returnees to Florida public school students who never left the public schools. It is important to note that one cannot make any claims about the effects of participation in the FTC Program based on these comparisons, as there are likely factors beyond FTC participation that may influence students' performance. These comparisons only provide additional insights about the performance of the students who participate in the FTC Program.

### **Comparison of 2017-18 performance of public school returnees and FTC stayers in 2018-19**

We first compared FTC students who returned to the public school system in Florida in 2018-19 to those who remained in private schools under the FTC Program in terms of their national norm-referenced test performance in 2017-18. The typical student who left the program scored at the 45.3<sup>rd</sup> normal curve equivalent in reading and 43.6<sup>th</sup> normal curve equivalent in math in 2017-18, while the typical FTC student who remained in the program in 2018-19 scored at the 47.4<sup>th</sup> normal curve equivalent in reading and the 45.4<sup>th</sup> normal curve equivalent in math (See Figure 10).



This finding can be an understatement of the difference between these two groups, since all students who remained in the FTC Program were still income-eligible to participate while some students who left the program may not have met eligibility criteria anymore in 2018-19. In order to have more comparable groups in terms of income range, we limited the public school returnees to those participating in the National School Lunch Program in 2018-19. We found that the average returnee who is free/reduced lunch eligible in 2018-19 scored at the 43.8<sup>th</sup> normal curve equivalent in reading and scored at the 42.2<sup>nd</sup> normal curve equivalent in math in

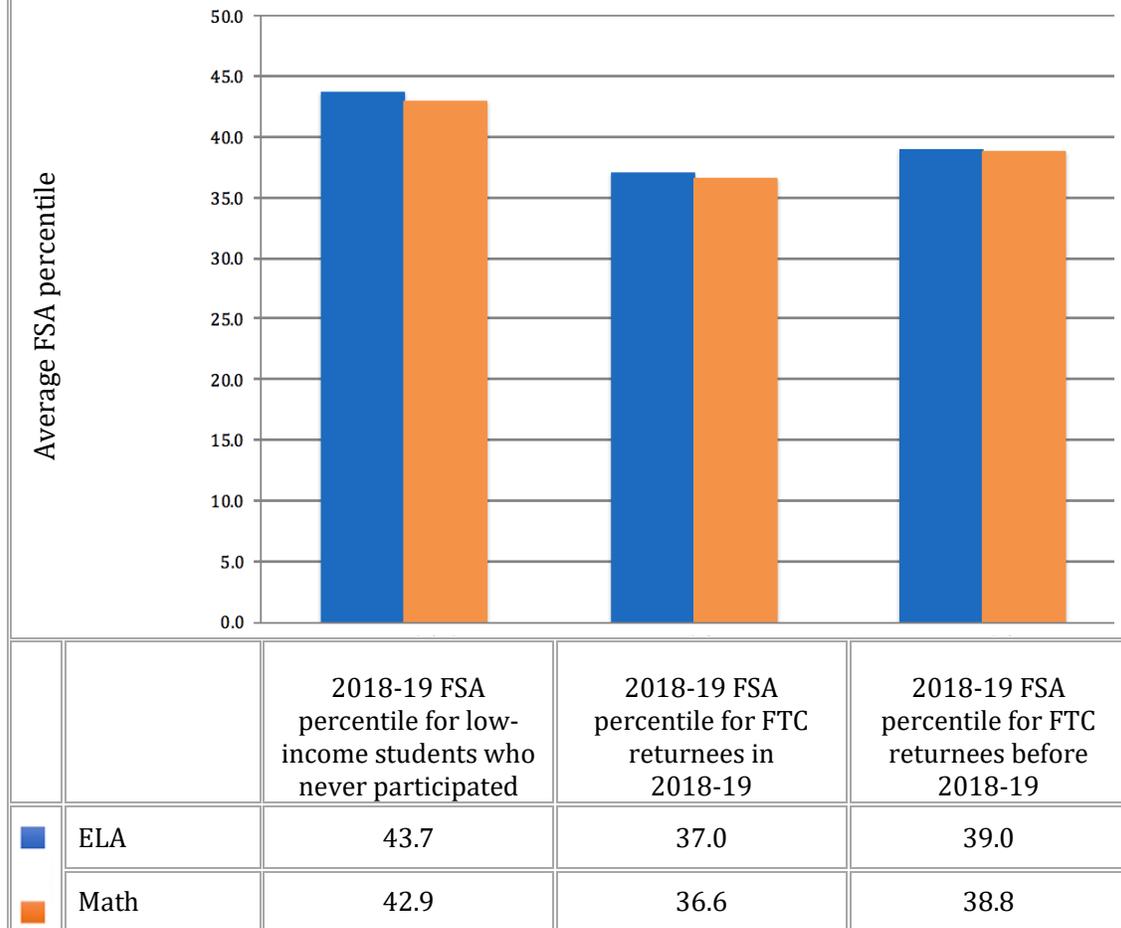
2017-18, which was somewhat lower than the performance of all returnees as expected.

These findings suggest that as lower-performing public school students are more likely to leave public schools to attend a private school under the FTC Program, FTC students who struggle in private schools are somewhat more likely to return to the public schools. This is consistent with previous years' observations.

### **Comparison of 2018-19 FSA performance of public school returnees and low income public school students**

Next, we compared the performance of FTC students who returned to the public schools to the performance of subsidized meal-eligible public school students who never participated in the FTC Program. As can be seen in Figure 11, FTC Program participants who return to the public schools performed worse on the FSA than did other subsidized meal recipients who never participated in the FTC Program. The difference is particularly large for FTC returnees in 2018-19, who performed at the 37.0<sup>th</sup> Florida percentile in ELA and 36.6<sup>th</sup> Florida percentile in math while public school students who never participated in the FTC Program performed at the 43.7<sup>th</sup> Florida percentile in ELA and 42.2<sup>nd</sup> Florida percentile in math in 2018-19.

Figure 11: 2018-19 FSA performance of FTC students returning to public schools in Florida



As we mentioned before, based on these comparisons one cannot make any claims about the effects of participation in the FTC Program since evidence suggests that FTC students who returned to the public schools in 2018-19 and public school students who never participated in the FTC Program represent two different populations of students. Findings indicated that poorly performing public school students are more likely to participate in the program in the first place. Moreover, FTC students who return to public schools tend to be those who are performing worse

than the average FTC student. Based on these observations, we cannot associate poor performance of FTC returnees with possible negative effects of the FTC Program on participating students.

## **7. CONCLUSION**

This report shares findings on the compliance and performance of private schools that participated in the Florida Tax Credit Scholarship Program in 2018-19. Compliance with program testing requirements was high in 2018-19. Private schools reported test scores for 93.3 percent of program participants in grades 3-10.

FTC students scored at the 47.3<sup>rd</sup> normal curve equivalent in reading and the 42.4<sup>th</sup> normal curve equivalent in math in 2018-19, which corresponds to the 44<sup>th</sup> national percentile in reading and the 35<sup>th</sup> national percentile in math. In terms of gains in math and reading from 2017-18 to 2018-19, the typical FTC student tended to maintain his or her relative position in comparison with all students nationally both in math and reading. It is important to note that these comparisons pertain to all students nationally, and not just students from low-income families. However, we cannot make any claims about whether gain scores of FTC students would have been higher or lower if they were compared against only students from low-income families nationally.

As in prior years, lower-performing public school students eligible for the FTC Program were more likely to attend a private school under the FTC Program and FTC students who struggle in these schools were more likely to return to the public

schools. FTC students who returned to the public schools in Florida had substantially lower test scores than other subsidized meal-eligible public school students who never participated in the FTC Program. However, based on the available evidence, poor performance of FTC returnees cannot be associated with possible negative effects of the FTC Program on participating students. Given selection of students into and out of the FTC Program, the former FTC students who returned to public schools would have been expected to perform more poorly than the typical low-income public school students.

## APPENDIX

**Appendix Table:** Average gain scores in 2018-19 and three-year moving average of gain scores from 2016-17 to 2018-19 for schools with 30 or more students with gain scores in 2018-19.

Notes: Cells report average gain scores. We shade cells where the difference between an individual school's three year moving average gain score is statistically significant from zero (at the 95 percent confidence interval).

**These school-level gain scores are not intended to be a comprehensive analysis of school performance.**

As noted in the main body of this report, average gain scores are not a definitive measure of a school's performance. They only serve as one among many other indicators of a school's performance. The average gain score for a school in a single year can be an extremely noisy measure of a school's contribution to student test scores. This measure is less reliable for schools where a small number of students contribute to the average school gain score. As the number of students gets smaller in a given school, the likelihood of noise dominating the average gain score increases. For this reason, we also compute the three-year moving average gain score. However, when interpreting gain scores, one should keep in mind that an average gain score of zero means that, on average, students in that school are maintaining their position in the national distribution. It doesn't mean that students in that school are not gaining.

SCHOOL NAME	CITY	NUMBER OF GAIN SCORES OBSERVED		AVERAGE GAIN SCORE IN 2018-19			AVERAGE GAIN SCORE FROM 2016-17 TO 2018-19		
		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
A'KELYNN'S ANGELS CHRISTIAN ACADEMY	WINTER HAVEN	40	40	13.73	11.70	13.06	13.06	13.73	11.70
ABUNDANT LIFE CHRISTIAN ACADEMY	MARGATE	134	340	2.96	-0.12	1.42	-1.71	0.02	-3.48
ACADEMY PREP CENTER OF ST. PETERSBURG	ST. PETERSBURG	74	192	0.89	-1.35	-0.23	-0.42	0.38	-1.22

**Appendix continued**

SCHOOL NAME	CITY	NUMBER OF GAIN SCORES OBSERVED		AVERAGE GAIN SCORE IN 2018-19			AVERAGE GAIN SCORE FROM 2016-17 TO 2018-19		
		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
ACADEMY PREP CENTER OF TAMPA INC.	TAMPA	83	251	4.22	4.22	4.22	3.71	3.10	4.31
ADVANCE ACHIEVERS ACADEMY	FLORIDA CITY	104	223	2.94	-6.97	-2.00	-4.79	-2.70	-6.66
ADVENTURE CHRISTIAN ACADEMY	TAVARES	49	121	-2.98	-1.18	-2.08	-0.67	0.77	-2.12
AL-FURQAN ACADEMY	JACKSONVILLE	46	131	7.00	2.98	4.99	-0.04	2.12	-2.21
ALAZHAR SCHOOL	TAMARAC	70	223	-1.00	-7.54	-4.27	0.71	2.04	-0.62
ALETHEIA CHRISTIAN ACADEMY	PENSACOLA	51	140	-2.39	-5.50	-4.13	0.69	1.62	-0.22
ALL SAINTS CATHOLIC SCHOOL	SUNRISE	41	108	8.66	10.32	9.49	3.45	3.93	2.98
ALL SAINTS' ACADEMY	WINTER HAVEN	34	106	-0.55	-0.88	-0.85	-1.57	-2.22	-0.84
ALL SOULS CATHOLIC SCHOOL	SANFORD	37	71	6.76	-0.16	3.30	0.37	2.49	-1.76
ALTAMONTE CHRISTIAN SCHOOL	ALTAMONTE SPRINGS	61	154	-1.92	-10.88	-6.60	-4.12	-1.98	-6.03
AMBLESIDE SCHOOL OF OCALA	OCALA	32	32	-4.28	-5.69	-4.98	-4.98	-4.28	-5.69

*Appendix continued*

SCHOOL NAME	CITY	NUMBER OF GAIN SCORES OBSERVED		AVERAGE GAIN SCORE IN 2018-19			AVERAGE GAIN SCORE FROM 2016-17 TO 2018-19		
		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
AMERICA'S CHRISTIAN FUTURE PRESCHOOL ELEM	HIALEAH	32	32	-0.59	-5.50	-3.05	-3.05	-0.59	-5.50
AMERICAN CHRISTIAN SCHOOL ART CENTER	HIALEAH	50	161	-4.16	-11.94	-8.05	-9.16	-7.04	-11.31
AMERICAN YOUTH ACADEMY INC.	TAMPA	198	529	1.28	0.70	0.99	2.32	3.34	1.35
ANNUNCIATION CATHOLIC SCHOOL	MIDDLEBURG	41	125	9.37	3.10	6.23	3.09	4.34	1.84
ANNUNCIATION SCHOOL	WEST HOLLYWOOD	72	203	5.74	8.89	7.31	3.73	2.81	4.66
APOPKA CHRISTIAN ACADEMY- WEST CAMPUS	APOPKA	40	73	-0.78	0.48	-0.15	-0.15	1.18	-1.48
ARCHBISHOP EDWARD A. MCCARTHY HIGH SCHOOL	SOUTHWEST RANCHES	112	275	3.10	-1.74	0.68	-0.87	1.53	-3.27
ASBURY CHRISTIAN SCHOOL	HIALEAH	55	152	0.42	-14.87	-7.23	-4.07	-1.43	-6.71
ASCENSION CATHOLIC SCHOOL	MELBOURNE	47	127	7.60	6.89	6.53	1.93	3.27	1.08
ASSUMPTION CATHOLIC SCHOOL	JACKSONVILLE	39	106	4.64	7.95	6.29	2.09	2.08	2.10

*Appendix continued*

SCHOOL NAME	CITY	NUMBER OF GAIN SCORES OBSERVED		AVERAGE GAIN SCORE IN 2018-19			AVERAGE GAIN SCORE FROM 2016-17 TO 2018-19		
		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
ATLANTIC CHRISTIAN ACADEMY	WEST PALM BEACH	112	275	-0.66	-12.29	-6.48	-3.17	-0.99	-5.30
AVANT SCHOOL OF EXCELLENCE	FLORIDA CITY	71	155	-1.80	-0.69	-1.27	-3.42	-3.47	-3.87
AZALEA PARK BAPTIST SCHOOL	ORLANDO	34	72	-3.56	-19.74	-11.65	-5.31	-1.72	-8.90
B.WRIGHT LEADERSHIP ACADEMY	MIAMI	67	137	-0.57	2.34	0.89	-0.65	-2.00	0.70
BB & C CHRISTIAN ACADEMY	PENSACOLA	30	62	-11.87	-28.37	-20.12	-9.74	-6.60	-12.89
BEACHES CHAPEL SCHOOL	NEPTUNE BEACH	36	70	-7.06	-13.97	-10.51	-3.01	0.50	-6.51
BEREAN CHRISTIAN SCHOOL	WEST PALM BEACH	67	222	-3.16	-2.01	-2.59	-1.35	-1.72	-1.01
BERYL WISDOM ADVENTIST SCHOOL	ORLANDO	42	80	-1.02	-4.62	-2.82	-0.15	1.36	-1.66
BETESDA CHRISTIAN SCHOOL	OPA-LOCKA	63	175	4.83	1.48	3.15	0.00	0.72	-0.72
BETH JACOB HIGH SCHOOL INC.	NORTH MIAMI BEACH	85	266	-3.45	-14.32	-8.88	-3.28	-0.98	-5.49
BETHANY CHRISTIAN SCHOOL	WEST MELBOURNE	47	80	-4.38	-5.36	-4.87	-2.21	-1.29	-3.14

*Appendix continued*

SCHOOL NAME	CITY	NUMBER OF GAIN SCORES OBSERVED		AVERAGE GAIN SCORE IN 2018-19			AVERAGE GAIN SCORE FROM 2016-17 TO 2018-19		
		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
BETHLEHEM JUNIOR ACADEMY	TAMARAC	36	122	-1.06	-9.56	-5.31	0.14	1.48	-1.20
BISHOP JOHN J. SNYDER HIGH SCHOOL	JACKSONVILLE	44	135	0.23	-3.48	-1.63	-1.38	-0.17	-2.59
BISHOP KENNY HIGH SCHOOL	JACKSONVILLE	104	267	-1.41	-5.06	-3.24	-2.73	-0.80	-4.67
BISHOP LARKIN CATHOLIC SCHOOL	PORT RICHEY	31	31	2.90	6.61	4.76	4.76	2.90	6.61
BISHOP MOORE CATHOLIC HIGH SCHOOL	ORLANDO	66	211	2.09	1.61	1.85	-1.09	0.86	-3.05
BISHOP VEROT CATHOLIC HIGH SCHOOL	FORT MYERS	44	79	0.89	2.23	1.56	-0.87	-0.16	-1.58
BLESSED SACRAMENT CATHOLIC SCHOOL	SEMINOLE	35	35	4.49	1.94	3.21	3.21	4.49	1.94
BLESSED TRINITY	OCALA	113	322	8.68	3.13	5.91	1.31	2.37	0.27
BLESSED TRINITY CATHOLIC	JACKSONVILLE	49	126	8.94	10.27	9.60	4.24	4.21	4.28
BOCA RATON CHRISTIAN SCHOOL	BOCA RATON	103	282	-1.39	-3.41	-2.44	-0.73	0.03	-1.45
BRADENTON CHRISTIAN SCHOOL	BRADENTON	79	244	-1.37	0.87	-0.25	-0.30	-0.62	0.02

*Appendix continued*

SCHOOL NAME	CITY	NUMBER OF GAIN SCORES OBSERVED		AVERAGE GAIN SCORE IN 2018-19			AVERAGE GAIN SCORE FROM 2016-17 TO 2018-19		
		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
BRIDGE TO INDEPENDENCE INC.	ORLANDO	38	122	2.46	0.29	0.95	-0.45	1.29	-1.93
BRITO MIAMI PRIVATE SCHOOL	MIAMI	48	159	-9.42	-20.83	-15.13	-6.42	-4.75	-8.08
BROWARD JUNIOR ACADEMY	PLANTATION	105	265	-0.31	-1.69	-0.87	-1.12	0.21	-2.57
BRUSH ARBOR CHRISTIAN SCHOOL	ORLANDO	49	151	-2.02	-10.71	-6.37	-3.82	-2.93	-4.46
CALVARY CHAPEL ACADEMY	WEST MELBOURNE	92	240	-6.57	2.34	-1.99	2.63	2.26	3.15
CALVARY CHRISTIAN ACADEMY	FORT WALTON BEACH	52	123	-0.42	-8.10	-4.26	-2.16	0.12	-4.36
CALVARY CHRISTIAN ACADEMY	FT LAUDERDALE	215	532	-2.67	-1.12	-1.89	-2.48	-3.11	-1.92
CALVARY CHRISTIAN ACADEMY	ORMOND BEACH	112	264	-3.47	-1.69	-2.58	-3.03	-2.27	-3.81
CAMBRIDGE CHRISTIAN SCHOOL	TAMPA	48	82	-4.60	-5.85	-5.23	-3.16	-2.24	-4.09
CANDLELIGHT CHRISTIAN ACADEMY	LAKE WALES	55	166	4.40	5.69	5.05	-0.32	1.13	-1.79
CAPE CORAL CHRISTIAN SCHOOL INC.	CAPE CORAL	32	32	-2.50	1.03	-0.73	-0.73	-2.50	1.03

*Appendix continued*

SCHOOL NAME	CITY	NUMBER OF GAIN SCORES OBSERVED		AVERAGE GAIN SCORE IN 2018-19			AVERAGE GAIN SCORE FROM 2016-17 TO 2018-19		
		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
CARDINAL GIBBONS HIGH SCHOOL	FORT LAUDERDALE	70	197	-1.71	-0.69	-1.27	-2.44	-0.80	-4.02
CARE ELEMENTARY SCHOOL	MIAMI	33	33	5.15	-0.45	2.35	2.35	5.15	-0.45
CEDAR CREEK CHRISTIAN SCHOOL	JACKSONVILLE	74	195	-1.03	-11.42	-6.22	-2.47	-0.58	-4.36
CEDAR HILLS BAPTIST CHRISTIAN SCHOOL	JACKSONVILLE	68	176	1.06	-8.15	-3.54	-1.07	0.53	-2.67
CENTER OF LIFE ACADEMY	MIAMI	55	118	0.64	0.51	0.57	-0.57	0.57	-1.62
CENTRAL BAPTIST CHRISTIAN SCHOOL	BRANDON	85	242	-2.19	-3.40	-2.65	-0.07	0.40	-0.72
CENTRAL FLORIDA CHRISTIAN ACADEMY	ORLANDO	70	166	-1.44	-2.20	-1.82	0.93	0.56	1.31
CENTRAL POINTE CHRISTIAN ACADEMY	KISSIMMEE	54	194	-0.07	-7.13	-3.60	-0.45	0.86	-1.76
CENTRAL POINTE CHRISTIAN ACADEMY POINCIANA	KISSIMMEE	62	177	0.37	-8.63	-4.13	-1.37	0.49	-3.23
CENTRAL POINTE CHRISTIAN HIGH SCHOOL	KISSIMMEE	55	112	-4.00	-12.05	-8.03	-3.34	-0.99	-5.70

*Appendix continued*

SCHOOL NAME	CITY	NUMBER OF GAIN SCORES OBSERVED		AVERAGE GAIN SCORE IN 2018-19			AVERAGE GAIN SCORE FROM 2016-17 TO 2018-19		
		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
CHAMINADE-MADONNA COLLEGE PREPARATORY	HOLLYWOOD	54	134	1.69	1.83	1.76	-0.77	0.57	-2.10
CHAMPAGNAT CATHOLIC SCHOOL OF HIALEAH	HIALEAH	30	141	1.40	-5.27	-1.93	-1.09	-0.57	-1.71
CHATMAN'S CHRISTIAN ACADEMY	JACKSONVILLE	30	30	-4.10	-10.97	-7.62	-7.62	-4.10	-10.97
CHILDREN IN THE SPIRIT CHRISTIAN SCHOOL	CORAL SPRINGS	33	33	5.12	-2.73	1.20	1.20	5.12	-2.73
CHILDREN'S RAINBOW DAYSCHOOL ACADEMY	GOULDS	50	151	-2.16	-9.42	-5.94	-2.43	-1.53	-3.30
CHRIST THE KING CATHOLIC	JACKSONVILLE	36	102	8.25	3.50	5.88	2.41	3.60	1.22
CHRIST THE KING LUTHERAN SCHOOL	PALM COAST	38	68	-2.39	0.18	-1.11	-0.67	-2.62	1.33
CHRIST'S CHURCH ACADEMY	JACKSONVILLE	31	31	-5.35	2.65	-1.35	-1.35	-5.35	2.65
CHRISTIAN HERITAGE ACADEMY	JACKSONVILLE	53	161	-7.36	-18.11	-12.74	-4.50	-1.82	-7.17

*Appendix continued*

SCHOOL NAME	CITY	NUMBER OF GAIN SCORES OBSERVED		AVERAGE GAIN SCORE IN 2018-19			AVERAGE GAIN SCORE FROM 2016-17 TO 2018-19		
		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
CHRISTOPHER COLUMBUS HIGH SCHOOL	MIAMI	105	229	-10.65	2.44	-4.10	-3.60	-5.52	-1.69
CITI CHRISTIAN ACADEMY	MIAMI	45	124	0.53	-10.56	-5.01	-3.22	-0.55	-5.34
CITY OF LIFE CHRISTIAN ACADEMY	KISSIMMEE	123	327	0.31	-2.62	-1.17	0.54	0.53	0.52
CLASSICAL CHRISTIAN SCHOOL FOR THE ARTS INC.	PINELLAS PARK	68	180	-3.62	-15.24	-9.43	-3.42	-1.02	-5.83
COLONIAL CHRISTIAN SCHOOL	HOMESTEAD	93	253	-1.58	-8.46	-5.16	-3.51	-2.25	-4.56
COMMUNITY CHRISTIAN LEARNING CENTER	APOPKA	94	225	0.57	-6.90	-3.16	-1.16	0.10	-2.56
COMMUNITY CHRISTIAN SCHOOL	BRADENTON	61	163	-0.10	-1.64	-0.87	-0.49	-0.59	-0.48
COMMUNITY CHRISTIAN SCHOOL	PORT CHARLOTTE	121	345	0.17	-0.08	0.05	-0.47	-0.29	-0.66
COMMUNITY CHRISTIAN SCHOOL	TALLAHASSEE	41	78	-5.32	-4.49	-4.90	-1.64	-3.49	0.21
COMMUNITY CHRISTIAN SCHOOL INC.	MELBOURNE	76	170	-1.96	1.59	-0.18	-0.72	-0.15	-1.29

*Appendix continued*

SCHOOL NAME	CITY	NUMBER OF GAIN SCORES OBSERVED		AVERAGE GAIN SCORE IN 2018-19			AVERAGE GAIN SCORE FROM 2016-17 TO 2018-19		
		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
COOPER CITY CHRISTIAN ACADEMY	COOPER CITY	34	70	1.74	-6.68	-2.47	-0.41	1.51	-2.34
CORAL PARK CHRISTIAN ACADEMY	MIAMI	38	71	5.29	1.50	3.39	2.44	3.85	1.04
CORNERSTONE CHRISTIAN SCHOOL	JACKSONVILLE	113	244	3.52	1.75	2.64	-0.43	0.46	-1.32
CORPUS CHRISTI CATHOLIC SCHOOL	TEMPLE TERRACE	40	40	10.53	5.65	8.09	8.09	10.53	5.65
COUNTRYSIDE CHRISTIAN SCHOOL	GAINESVILLE	60	104	-4.65	-9.27	-6.96	-3.67	-2.74	-4.60
COVENANT CHRISTIAN SCHOOL	PALM BAY	34	136	-8.12	-4.00	-6.06	-3.60	-2.85	-4.35
CREEKSIDE CHRISTIAN SCHOOL	OTTER CREEK	30	30	-2.20	-1.77	-1.98	-1.98	-2.20	-1.77
CUTLER RIDGE CHRISTIAN ACADEMY	MIAMI	49	152	-1.65	-7.39	-4.52	-1.97	-0.94	-3.00
D T PREPARATORY ACADEMY INC	PENSACOLA	34	66	6.21	2.82	4.69	1.01	0.77	0.98
DAYSRING CHRISTIAN ACADEMY	MARIANNA	33	33	0.94	-6.73	-2.89	-2.89	0.94	-6.73
DAYTONA BEACH CHRISTIAN ACADEMY	DAYTONA BEACH	32	32	0.44	-14.50	-7.03	-7.03	0.44	-14.50
DELTONA CHRISTIAN SCHOOL	DELTONA	75	197	2.12	-0.96	0.60	0.70	2.27	-0.84

*Appendix continued*

SCHOOL NAME	CITY	NUMBER OF GAIN SCORES OBSERVED		AVERAGE GAIN SCORE IN 2018-19			AVERAGE GAIN SCORE FROM 2016-17 TO 2018-19		
		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
DIVINE SAVIOR LUTHERAN ACADEMY	DORAL	61	141	2.28	-1.18	0.55	-0.32	-0.04	-0.60
DIXON CHRISTIAN SCHOOL OF THE ARTS	PENSACOLA	45	81	2.78	1.22	2.00	-1.22	1.21	-3.64
DOWNEY CHRISTIAN SCHOOL	ORLANDO	104	259	-3.14	-10.00	-6.49	-3.08	-1.96	-4.23
EAGLE'S VIEW ACADEMY	JACKSONVILLE	72	182	-3.72	-9.61	-6.67	-5.21	-3.68	-6.74
EAST HILL CHRISTIAN SCHOOL	PENSACOLA	54	88	2.87	-1.85	0.56	0.71	2.49	-1.13
EASTLAND CHRISTIAN SCHOOL	ORLANDO	139	369	0.13	-11.41	-5.41	-3.88	-1.26	-6.65
EDISON PRIVATE SCHOOL	HIALEAH	270	685	1.10	-10.31	-4.61	-1.15	1.36	-3.64
ELFERS CHRISTIAN SCHOOL	NEW PORT RICHEY	54	186	-0.41	-11.11	-5.76	-3.09	-1.45	-4.74
ELITE PREPARATORY ACADEMY	ORLANDO	52	52	2.18	0.58	1.66	1.66	2.18	0.58
ESCAMBIA CHRISTIAN SCHOOL	PENSACOLA	32	32	4.94	-1.94	1.45	1.45	4.94	-1.94
EVANGELICAL CHRISTIAN	FORT MYERS	42	107	-2.28	-10.25	-6.35	-4.49	-2.44	-6.05
EXCEL CHRISTIAN ACADEMY	LAKELAND	67	171	-0.39	-2.93	-1.66	-3.68	-2.09	-5.27

*Appendix continued*

SCHOOL NAME	CITY	NUMBER OF GAIN SCORES OBSERVED		AVERAGE GAIN SCORE IN 2018-19			AVERAGE GAIN SCORE FROM 2016-17 TO 2018-19		
		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
FAITH CHRISTIAN ACADEMY	ORLANDO	160	459	1.23	3.47	2.35	-0.35	0.02	-0.71
FAITH CHRISTIAN ACADEMY	SPRING HILL	31	31	-0.19	-2.10	-1.15	-1.15	-0.19	-2.10
FAITH LUTHERAN SCHOOL	EUSTIS	41	83	-3.29	0.73	-1.28	-1.43	-3.43	0.58
FAITH LUTHERAN SCHOOL	HIALEAH	30	30	-3.00	-1.40	-2.20	-2.20	-3.00	-1.40
FAITH OUTREACH ACADEMY	TAMPA	49	158	-5.33	-8.57	-6.93	-2.21	-0.66	-3.73
FAMILY CHRISTIAN SCHOOL OF CLERMONT	CLERMONT	78	193	-3.62	-2.26	-2.94	-1.81	-2.81	-1.01
FATHER LOPEZ HIGH SCHOOL	DAYTONA BEACH	33	166	1.36	3.73	2.55	0.33	0.64	0.01
FIRST ACADEMY-LEESBURG	LEESBURG	75	209	-1.68	-5.11	-3.39	-1.09	0.33	-2.51
FIRST ASSEMBLY CHRISTIAN SCHOOL DAYCARE	OCALA	167	407	1.81	0.47	1.14	-2.64	-1.95	-3.35
FIRST BAPTIST ACADEMY	HOLLYWOOD	40	77	3.18	-0.38	1.40	2.37	5.14	-0.09

*Appendix continued*

SCHOOL NAME	CITY	NUMBER OF GAIN SCORES OBSERVED		AVERAGE GAIN SCORE IN 2018-19			AVERAGE GAIN SCORE FROM 2016-17 TO 2018-19		
		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
FIRST BAPTIST ACADEMY OF JACKSONVILLE	JACKSONVILLE	49	123	-5.18	-2.73	-3.96	1.00	0.57	1.42
FIRST BAPTIST CHRISTIAN ACADEMY	BUNNELL	78	223	-0.59	-11.18	-5.88	-1.53	0.78	-3.83
FIRST BAPTIST RUSKIN CHRISTIAN SCHOOL	RUSKIN	30	94	-1.52	-11.63	-6.90	-4.16	-2.62	-5.43
FIRST CHRISTIAN ACADEMY	HIGH SPRINGS	41	79	2.32	-5.80	-1.74	-1.98	0.99	-4.95
FIRST CHRISTIAN ACADEMY	NEW PORT RICHEY	33	33	-8.30	-5.09	-6.70	-6.70	-8.30	-5.09
FIRST COAST CHRISTIAN SCHOOL	JACKSONVILLE	129	378	-1.18	-11.22	-6.65	-3.93	-2.10	-5.27
FIRST UNITED METHODIST SCHOOL CENTER	BROOKSVILLE	33	96	5.36	-9.91	-2.14	-0.71	0.83	-2.14
FLORIDA CHRISTIAN SCHOOL	MIAMI	86	218	-1.42	-10.21	-5.81	-3.55	-1.82	-5.28
FLORIDA COLLEGE ACADEMY	TAMPA	72	156	-0.45	-2.21	-1.47	-0.90	0.66	-2.32
FOREST CITY S.D.A.	ORLANDO	64	182	3.98	4.14	4.06	0.49	0.69	0.19

**Appendix continued**

SCHOOL NAME	CITY	NUMBER OF GAIN SCORES OBSERVED		AVERAGE GAIN SCORE IN 2018-19			AVERAGE GAIN SCORE FROM 2016-17 TO 2018-19		
		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
FOREST LAKE ACADEMY	APOPKA	68	202	-1.37	-0.36	-0.78	0.25	0.70	-0.33
FOREST LAKE EDUCATION CENTER	LONGWOOD	122	334	1.06	-4.70	-1.82	-0.47	0.85	-1.77
FORT LAUDERDALE PREPARATORY SCHOOL	FORT LAUDERDALE	47	116	-2.30	-10.65	-6.44	-2.41	-1.35	-3.43
FORT MYERS CHRISTIAN SCHOOL	FORT MYERS	31	31	-5.94	-10.65	-8.29	-8.29	-5.94	-10.65
FOUNDATION ACADEMY	JACKSONVILLE	49	137	-11.33	-13.49	-12.41	-6.42	-6.18	-6.66
FOUNDATION CHRISTIAN ACADEMY	VALRICO	51	136	0.73	1.24	0.98	-2.16	-1.58	-2.74
FREEDOMLAND CHRISTIAN ACADEMY	KISSIMMEE	37	81	-4.43	1.11	-1.66	1.23	0.19	2.27
GARDEN OF THE SAHABA ACADEMY	BOCA RATON	61	197	-1.82	4.90	1.54	-2.13	-2.38	-1.89
GENERATION OF HOPE ACADEMY INC.	ORLANDO	50	87	0.52	-0.20	0.16	-0.43	1.01	-1.86
GLADES CHRISTIAN ACADEMY	CORAL SPRINGS	36	36	0.17	-3.08	-1.46	-1.46	0.17	-3.08
GLADES DAY SCHOOL	BELLE GLADE	36	100	-5.69	-18.14	-11.92	-5.21	-2.42	-7.95

**Appendix continued**

SCHOOL NAME	CITY	NUMBER OF GAIN SCORES OBSERVED		AVERAGE GAIN SCORE IN 2018-19			AVERAGE GAIN SCORE FROM 2016-17 TO 2018-19		
		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
GLADEVIEW CHRISTIAN SCHOOL	MIAMI	45	87	0.69	-11.82	-5.57	-2.70	0.59	-5.98
GLENDALE CHRISTIAN SCHOOL	VERO BEACH	51	144	1.43	-5.45	-2.01	-1.91	-1.30	-2.51
GOOD SHEPHERD ACADEMY	DELTONA	40	71	-1.53	2.05	0.26	-0.46	-1.66	0.75
GOOD SHEPHERD CATHOLIC SCHOOL	ORLANDO	104	262	4.78	3.23	4.00	1.86	2.25	1.43
GOOD SHEPHERD SCHOOL	MIAMI	65	184	7.74	9.06	8.40	3.03	2.99	3.06
GRACE AND GLORY CHRISTIAN SCHOOL	CHIPLEY	54	149	-2.44	-2.46	-2.45	-0.54	-0.87	-0.20
GRACE CHRISTIAN SCHOOLS OF PASCO	HUDSON	58	150	-5.05	-14.21	-9.63	-4.14	-1.99	-6.29
GRACE LEADERSHIP PREPARATORY INSTITUTE	FORT LAUDERDALE	32	32	11.78	-0.34	5.72	5.72	11.78	-0.34
GRACE LUTHERAN SCHOOL	SAINT PETERSBURG	33	73	2.03	-4.73	-1.35	-2.55	-0.30	-4.79
GREATER MIAMI ACADEMY	MIAMI	113	345	0.68	-1.81	-0.57	1.10	1.84	0.49
GREATER OASIS CHRISTIAN ACADEMY	CLERMONT	38	38	4.39	10.53	7.46	7.46	4.39	10.53

*Appendix continued*

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		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
GREENACRES CHRISTIAN ACADEMY	LAKE WORTH	41	78	-4.56	-14.63	-9.60	-4.55	-2.86	-6.24
GROWING TREASURES LEARNING CENTER 2	HIALEAH GARDENS	33	33	-6.48	-5.85	-6.17	-6.17	-6.48	-5.85
GUNNERY ROAD CHRISTIAN ACADEMY	LEHIGH ACRES	33	33	1.06	1.45	1.26	1.26	1.06	1.45
HAMPDEN DUBOSE ACADEMY	ZELLWOOD	53	142	-0.49	-9.57	-5.03	-2.57	-1.08	-4.06
HARVEST ACADEMY CHRISTIAN SCHOOL	CLEWISTON	40	73	-1.80	-8.93	-5.36	-2.85	-1.49	-4.21
HEARTLAND CHRISTIAN SCHOOL	SEBRING	58	104	-0.29	0.98	0.34	-0.76	0.29	-1.81
HEBREW ACADEMY COMMUNITY SCHOOL	MARGATE	123	336	-4.97	-0.63	-2.74	-4.64	-4.52	-4.61
HERITAGE CHRISTIAN SCHOOL	KISSIMMEE	186	568	-1.84	-8.41	-5.12	-1.20	-0.37	-1.96
HERITAGE PREPARATORY SCHOOL	ORLANDO	135	364	-0.32	-11.24	-5.78	-2.50	0.24	-5.24
HERNANDO CHRISTIAN ACADEMY	BROOKSVILLE	75	239	-2.55	-13.23	-7.89	-3.70	-2.17	-5.24
HIFZ ACADEMY	TAMPA	47	82	-0.49	-3.91	-2.20	-1.48	-0.76	-1.60

*Appendix continued*

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		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
HIGHLANDS CHRISTIAN ACADEMY	POMPANO BEACH	166	427	-2.39	-11.95	-7.17	-5.33	-3.29	-7.38
HIGHPOINT ACADEMY INC.	MIAMI	39	118	-4.72	-10.00	-7.36	-1.98	-1.45	-2.52
HILLEL DAY SCHOOL OF BOCA RATON	BOCA RATON	35	35	-0.60	2.51	0.96	0.96	-0.60	2.51
HILLSBOROUGH BAPTIST SCHOOL	SEFFNER	33	33	0.70	-5.61	-2.45	-2.45	0.70	-5.61
HOBE SOUND CHRISTIAN ACADEMY	HOBE SOUND	38	127	-2.70	-9.11	-6.39	-4.90	-3.23	-6.14
HOLLYWOOD CHRISTIAN SCHOOL	HOLLYWOOD	97	220	-2.83	-9.78	-6.38	-1.94	-0.12	-3.48
HOLY CROSS LUTHERAN SCHOOL	NORTH MIAMI	129	352	-1.01	-0.79	-0.90	-2.27	-0.30	-4.25
HOLY FAMILY	SAINT PETERSBURG	32	32	4.25	3.06	3.66	3.66	4.25	3.06
HOLY FAMILY CATHOLIC SCHOOL	NORTH MIAMI	106	303	9.37	5.50	7.43	3.06	3.76	2.35
HOLY REDEEMER CATHOLIC SCHOOL	KISSIMMEE	122	326	6.15	1.91	4.03	1.46	2.79	0.13
HOLY ROSARY CATHOLIC SCHOOL	JACKSONVILLE	112	259	4.69	2.54	3.62	2.32	3.63	1.00
HOLY TEMPLE CHRISTIAN ACADEMY	FORT LAUDERDALE	42	75	11.38	-2.00	4.69	-0.45	2.37	-3.29

**Appendix continued**

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		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
HOPE ACADEMY	HOMESTEAD	182	474	1.12	-10.54	-4.71	-1.14	1.49	-3.74
HOPE CHRISTIAN ACADEMY	JACKSONVILLE	34	34	-2.68	-13.29	-7.99	-7.99	-2.68	-13.29
HOPE CHRISTIAN ACADEMY	STARKE	43	137	7.16	2.33	4.74	0.55	1.62	-0.52
HOREB CHRISTIAN SCHOOL	HIALEAH	123	283	0.79	-6.03	-2.62	-3.19	-0.93	-5.45
I.E.C. CHRISTIAN ACADEMY	ORLANDO	115	257	-0.35	0.34	0.00	-0.49	0.54	-1.53
IBCK EDUCATIONAL CENTER	KISSIMMEE	166	455	0.50	-11.75	-5.62	-2.71	0.36	-5.76
IBN SEENA ACADEMY	ORLANDO	61	168	-1.08	-0.84	-0.96	0.07	0.18	-0.04
IMMACULATA-LA SALLE HIGH SCHOOL	MIAMI	34	69	0.35	-0.53	-0.09	-0.78	-0.23	-1.33
IMMACULATE CONCEPTION CATHOLIC SCHOOL	HIALEAH	77	205	6.55	11.26	8.90	3.73	2.90	4.57
IMPACT CHRISTIAN ACADEMY	JACKSONVILLE	38	38	3.03	-7.18	-2.08	-2.08	3.03	-7.18
INCARNATION CATHOLIC SCHOOL	TAMPA	70	198	6.63	3.29	4.96	2.12	2.12	2.12

*Appendix continued*

SCHOOL NAME	CITY	NUMBER OF GAIN SCORES OBSERVED		AVERAGE GAIN SCORE IN 2018-19			AVERAGE GAIN SCORE FROM 2016-17 TO 2018-19		
		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
INDIAN ROCKS CHRISTIAN SCHOOL	LARGO	116	313	0.53	0.73	0.63	-1.44	-1.42	-1.47
INTEGRITY CHRISTIAN ACADEMY	GROVELAND	36	70	-0.53	-5.97	-3.25	-1.46	-0.59	-2.33
INTEGRITY TABERNACLE CHRISTIAN ACADEMY	KISSIMMEE	34	68	-1.00	-4.09	-2.54	0.65	0.68	0.62
INVERNESS CHRISTIAN ACADEMY	INVERNESS	51	136	1.51	-10.69	-4.59	-3.50	-0.94	-6.04
IT'S A SMALL WORLD ELEMENTARY SCHOOL	MIAMI	35	76	8.63	0.91	4.77	5.03	8.53	1.54
IVA CHRISTIAN SCHOOL	LARGO	59	187	1.07	-8.34	-3.64	-0.52	0.89	-1.93
JEREMIAH ACADEMY	MIAMI	30	30	1.97	6.37	4.17	4.17	1.97	6.37
JESUIT HIGH SCHOOL	TAMPA	32	32	4.47	-3.56	0.45	0.45	4.47	-3.56
JOHN CARROLL HIGH SCHOOL	FORT PIERCE	36	70	-1.36	0.00	-0.68	-1.41	-0.30	-2.53
JORDAN CHRISTIAN PREPARATORY	EAGLE LAKE	31	31	-1.13	-0.10	-0.16	-0.16	-1.13	-0.10
JOSE MARTI SCHOOL 3RD CAMPUS	MIAMI	58	166	-17.47	-24.21	-20.84	-9.70	-7.80	-11.61

**Appendix continued**

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		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
JOSHUA CHRISTIAN ACADEMY	JACKSONVILLE	112	233	0.45	1.34	0.89	-2.80	-1.12	-4.53
JUBILEE CHRISTIAN ACADEMY	PENSACOLA	40	135	-1.90	1.53	-0.19	0.32	-1.63	2.27
JUPITER CHRISTIAN SCHOOL	JUPITER	34	69	-1.50	-0.58	-1.24	-1.62	-1.83	-1.22
KESWICK CHRISTIAN SCHOOL	SAINT PETERSBURG	67	211	-4.10	-2.82	-3.46	-0.02	0.46	-0.50
KIDS LEARNING CENTER OF SOUTH DADE III	MIAMI	78	198	-1.77	-6.79	-4.28	-1.33	1.10	-3.76
KINGDOM ACADEMY	MIAMI	82	196	0.89	1.04	0.96	-0.16	1.01	-1.32
KINGSWAY CHRISTIAN ACADEMY	ORLANDO	146	423	-0.70	-10.95	-5.87	-2.13	-0.82	-3.31
KLURMAN/LUBAVITCH	MIAMI BEACH	60	149	-7.19	-15.71	-11.21	-5.81	-3.21	-8.52
L.E.A.D ACADEMY CLASSICAL SCHOOL INC.	PACE	44	44	-0.36	-7.39	-3.88	-3.88	-0.36	-7.39
LA CORE CHRISTIAN ELEMENTARY SCHOOL	JACKSONVILLE	36	36	4.83	-6.53	-1.69	-1.69	4.83	-6.53

**Appendix continued**

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		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
LA PROGRESIVA PRESBYTERIAN SCHOOL INC.	MIAMI	327	881	-3.96	-15.27	-9.70	-4.09	-1.48	-6.62
LAKE CITY CHRISTIAN ACADEMY	LAKE CITY	55	143	5.69	0.35	3.02	-0.81	0.15	-1.77
LAKE PARK BAPTIST SCHOOL	LAKE PARK	40	40	-1.33	-11.10	-6.01	-6.01	-1.33	-11.10
LAKE WORTH CHRISTIAN SCHOOL SOCIETY INC.	BOYNTON BEACH	81	199	1.33	2.16	1.75	0.52	-0.21	1.18
LAKELAND CHRISTIAN SCHOOL	LAKELAND	36	115	0.86	-2.75	-0.94	-1.67	-1.54	-1.81
LAKESIDE CHRISTIAN SCHOOL	CLEARWATER	68	218	4.35	-6.34	-1.05	-1.67	0.38	-3.51
LANDMARK CHRISTIAN SCHOOL	HAINES CITY	61	175	-2.48	-11.48	-6.98	-3.34	-1.78	-4.90
LEADERS PREPARATORY SCHOOL	ORLANDO	78	200	7.45	-4.00	1.72	0.77	3.45	-1.91
LIBERTY CHRISTIAN PREPARATORY SCHOOL	TAVARES	57	153	0.58	-7.67	-3.54	-2.53	-1.23	-3.84
LIBERTY CHRISTIAN SCHOOL	SANFORD	51	127	0.67	-7.59	-3.46	-1.12	1.50	-3.98

*Appendix continued*

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		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
LIFE ASSEMBLY OF GOD LIFE ACADEMY	KISSIMMEE	97	277	-8.43	-19.18	-13.80	-4.45	-2.81	-6.06
LIGHT CHRISTIAN ACADEMY AND CHILDCARE	OCOEE	33	75	4.15	4.42	4.29	1.97	2.48	1.45
LIGHTHOUSE CHRISTIAN PREPARATORY ACADEMY	DELAND	41	166	-3.34	-7.45	-5.24	-4.98	-3.75	-6.30
LIGHTHOUSE PRIVATE CHRISTIAN ACADEMY PREP	PENSACOLA	51	162	-3.35	-2.24	-2.98	-3.26	-3.36	-2.86
LINCOLN-MARTI COMMUNITY AGENCY 04	MIAMI	42	76	-14.93	-22.14	-18.61	-9.64	-6.03	-13.07
LINCOLN-MARTI COMMUNITY AGENCY 10	MIAMI	127	380	-4.28	-15.37	-9.82	1.42	1.93	1.04
LINCOLN-MARTI COMMUNITY AGENCY 17	MIAMI	101	272	-9.82	-31.34	-20.58	0.33	0.23	0.44
LINCOLN-MARTI COMMUNITY AGENCY 23	MIAMI	83	258	-4.52	-12.11	-8.31	6.87	8.27	5.49

*Appendix continued*

SCHOOL NAME	CITY	NUMBER OF GAIN SCORES OBSERVED		AVERAGE GAIN SCORE IN 2018-19			AVERAGE GAIN SCORE FROM 2016-17 TO 2018-19		
		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
LINCOLN-MARTI COMMUNITY AGENCY 28	MIAMI	125	344	-6.58	-11.17	-8.87	2.50	3.15	1.85
LITTLE COLLEGE AT LUDLAM C. CORP.	MIAMI	47	87	1.77	4.45	3.11	2.64	3.43	1.85
LITTLE FLOWER CATHOLIC	PENSACOLA	55	130	6.95	9.13	8.04	1.93	1.63	2.22
LITTLE FLOWER SCHOOL	HOLLYWOOD	52	142	13.02	4.52	8.77	2.72	3.96	1.48
LIVING FAITH ACADEMY	DAYTONA BEACH	54	92	-0.72	-5.72	-3.22	-2.32	-0.67	-3.96
LIVING WORD ACADEMY	ORLANDO	44	118	-8.50	-16.57	-12.53	-3.50	-1.93	-4.83
LUBAVITCH EDUCATIONAL CENTER INC.	MIAMI	300	877	2.62	-1.25	0.68	-0.01	1.19	-1.18
MANATEE LEARNING ACADEMY	BRADENTON	35	70	2.00	3.97	2.99	-5.11	-3.73	-6.50
MASTER'S ACADEMY OF VERO BEACH	VERO BEACH	32	62	-3.03	-3.84	-3.44	1.18	2.82	-0.47
MASTERS PREPARATORY SCHOOL	HIALEAH	120	419	3.70	-1.79	0.90	-3.37	-1.04	-5.72

*Appendix continued*

SCHOOL NAME	CITY	NUMBER OF GAIN SCORES OBSERVED		AVERAGE GAIN SCORE IN 2018-19			AVERAGE GAIN SCORE FROM 2016-17 TO 2018-19		
		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
MEADOWBROOK ACADEMY INC.	OCALA	79	211	1.16	0.85	1.01	-0.55	0.92	-2.01
MELBOURNE CENTRAL CATHOLIC HIGH SCHOOL	MELBOURNE	38	120	-0.39	2.66	1.13	-0.46	-0.33	-0.60
MELODY CHRISTIAN ACADEMY	LIVE OAK	64	121	0.79	-10.06	-4.65	-3.03	0.32	-6.33
MERRITT ISLAND CHRISTIAN SCHOOL	MERRITT ISLAND	39	115	-6.85	-5.72	-6.28	-0.83	-0.15	-1.51
MIAMI CHRISTIAN	MIAMI	85	200	1.90	-0.98	0.77	0.61	0.83	0.00
MIAMI UNION ACADEMY	NORTH MIAMI	117	296	-6.28	-5.01	-5.79	-2.20	-1.63	-2.66
MONSIGNOR EDWARD PACE HIGH SCHOOL	MIAMI GARDENS	241	618	-0.30	-1.39	-0.84	-0.26	0.08	-0.63
MORNINGSIDE ACADEMY	PORT ST. LUCIE	111	257	-2.01	-11.41	-6.72	-4.72	-2.42	-6.91
MOTHER OF CHRIST CATHOLIC SCHOOL	MIAMI	79	215	8.56	11.86	10.08	4.55	4.03	5.15
MOTHER OF OUR REDEEMER CATHOLIC SCHOOL	MIAMI	66	156	6.45	8.82	7.64	3.40	3.04	3.76
MOUNT BETHEL CHRISTIAN ACADEMY	FT. LAUDERDALE	54	146	-13.98	-17.96	-16.15	-5.13	-3.46	-6.45

*Appendix continued*

SCHOOL NAME	CITY	NUMBER OF GAIN SCORES OBSERVED		AVERAGE GAIN SCORE IN 2018-19			AVERAGE GAIN SCORE FROM 2016-17 TO 2018-19		
		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
MOUNT DORA CHRISTIAN ACADEMY	MOUNT DORA	59	150	-2.71	-4.68	-3.69	-1.62	-1.43	-1.81
MUSLIM ACADEMY OF GREATER ORLANDO	ORLANDO	64	181	1.98	2.75	2.37	-0.63	-1.27	0.01
NATIVITY CATHOLIC SCHOOL	BRANDON	67	179	7.30	0.51	3.90	1.44	2.54	0.33
NATIVITY SCHOOL	HOLLYWOOD	88	206	6.11	9.15	7.63	3.86	3.50	4.13
NEW GENERATION CHRISTIAN MINISTRIES	LAKE CITY	42	42	-6.19	7.00	-5.32	-5.32	-6.19	7.00
NEW HOPE LEARNING CENTER	FORT LAUDERDALE	30	30	4.33	-5.50	-0.58	-0.58	4.33	-5.50
NEW JERUSALEM CHRISTIAN ACADEMY	SEFFNER	56	105	-0.20	0.36	0.18	-0.40	-0.10	-0.80
NORTH DADE REGIONAL ACADEMY	MIAMI GARDENS	39	73	0.62	-15.69	-7.54	-7.82	-4.58	-11.05
NORTH FLORIDA CHRISTIAN SCHOOL	TALLAHASSEE	77	199	0.23	-8.78	-4.15	-4.11	-2.23	-6.08
NORTH FLORIDA EDUCATIONAL INSTITUTE	JACKSONVILLE	37	125	1.81	-2.76	-0.47	1.07	1.48	0.64
NORTH KISSIMMEE CHRISTIAN SCHOOL	KISSIMMEE	72	187	3.35	2.50	3.01	0.42	0.36	0.28

*Appendix continued*

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		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
NORTHSIDE CHRISTIAN ACADEMY	STARKE	64	175	-3.69	-4.77	-4.23	0.21	0.66	-0.23
NORTHSIDE CHRISTIAN SCHOOL	SAINT PETERSBURG	32	68	-2.91	-4.78	-3.84	0.86	2.03	-0.31
NORTHWEST CHRISTIAN ACADEMY	MIAMI	118	330	-3.06	-0.79	-1.86	-3.10	-3.11	-3.16
NOTRE DAME CATHOLIC SCHOOL	SPRING HILL	52	143	7.13	5.00	6.07	4.22	4.83	3.61
NUR UL-ISLAM ACADEMY	COOPER CITY	140	399	-4.11	-7.36	-6.08	-2.07	-0.43	-3.00
OASIS CHRISTIAN ACADEMY	WINTER HAVEN	85	247	-2.84	-9.75	-6.29	-1.41	-0.41	-2.40
OCALA CHRISTIAN ACADEMY	OCALA	115	351	-7.21	-10.97	-9.07	-2.85	-2.47	-3.19
OKEECHOBEE CHRISTIAN ACADEMY	OKEECHOBEE	52	151	1.65	4.71	3.18	1.86	1.49	2.26
OLD PLANK CHRISTIAN ACADEMY	JACKSONVILLE	60	150	3.58	-7.23	-1.83	-1.31	0.90	-3.41
OLDSMAR CHRISTIAN SCHOOL	OLDSMAR	36	36	-1.42	-9.64	-5.53	-5.53	-1.42	-9.64
ONE SCHOOL OF THE ARTS	LONGWOOD	99	235	-4.71	-13.53	-9.12	-4.06	-2.11	-5.95
ORLANDO CHRISTIAN PREP	ORLANDO	76	245	-5.96	-12.64	-8.93	-4.88	-4.27	-5.59

*Appendix continued*

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		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
ORLANDO JUNIOR ACADEMY	ORLANDO	44	159	1.95	-3.23	-0.53	-0.03	1.24	-1.35
OSCEOLA ADVENTIST CHRISTIAN SCHOOL	KISSIMMEE	30	30	2.93	1.50	2.22	2.22	2.93	1.50
OSCEOLA CHRISTIAN PREPARATORY SCHOOL	KISSIMMEE	44	84	-7.32	-11.30	-9.31	-6.79	-6.20	-7.38
OUR LADY OF CHARITY SCHOOL INC	HIALEAH	60	164	1.18	-2.22	-0.52	0.93	2.63	-0.90
OUR LADY OF LOURDES	MELBOURNE	34	64	5.09	3.94	4.51	1.58	0.95	2.20
OUR LADY OF LOURDES CATHOLIC SCHOOL	DAYTONA BEACH	82	230	4.06	3.04	3.55	2.06	2.61	1.52
OUR LADY OF LOURDES CATHOLIC SCHOOL	DUNEDIN	31	31	8.70	0.39	4.44	4.44	8.70	0.39
OUR LADY OF LOURDES PARISH SCHOOL	MIAMI	80	198	6.54	10.05	8.29	3.66	3.36	3.97
OUR LADY OF THE HOLY ROSARY-ST RICHARD CATHOLIC	MIAMI	50	135	10.80	12.86	11.83	5.22	5.57	4.87

**Appendix continued**

SCHOOL NAME	CITY	NUMBER OF GAIN SCORES OBSERVED		AVERAGE GAIN SCORE IN 2018-19			AVERAGE GAIN SCORE FROM 2016-17 TO 2018-19		
		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
OUR LADY OF THE LAKES CATHOLIC SCHOOL	MIAMI LAKES	70	199	4.14	3.71	3.93	1.40	1.60	1.21
OUR LADY QUEEN OF MARTYRS	FORT LAUDERDALE	112	301	6.79	7.54	7.16	2.21	2.67	1.73
PARK AVENUE CHRISTIAN ACADEMY	TITUSVILLE	94	252	-7.00	-5.10	-6.05	0.22	-0.06	0.50
PARKVIEW PREP ACADEMY	AVON PARK	38	38	-4.45	-16.24	-10.34	-10.34	-4.45	-16.24
PARSONS CHRISTIAN ACADEMY	JACKSONVILLE	51	145	-4.06	-16.76	-10.41	-6.12	-3.61	-8.62
PATHWAYS SCHOOL	ORLANDO	56	145	-5.48	-9.61	-7.54	-0.91	1.00	-2.81
PEACE LUTHERAN SCHOOL	KISSIMMEE	31	31	4.39	-4.90	-0.26	-0.26	4.39	-4.90
PENIEL BAPTIST ACADEMY	PALATKA	83	207	-4.98	-14.94	-9.96	-5.78	-2.76	-8.79
PENSACOLA CATHOLIC HIGH SCHOOL	PENSACOLA	60	156	-0.33	2.77	1.22	-0.13	-0.67	0.42
PENTAB ACADEMY	MIAMI	41	119	-0.78	-7.05	-3.91	-5.21	-3.86	-6.49

*Appendix continued*

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		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
PHYL'S ACADEMY PREPARATORY SCHOOL	MARGATE	53	152	-4.34	-4.72	-4.53	-1.13	-0.95	-1.32
PINE CASTLE CHRISTIAN ACADEMY	ORLANDO	52	130	3.33	-1.30	1.15	0.26	2.02	-1.51
PINEY GROVE BOYS ACADEMY	LAUDERDALE LAKES	33	63	0.58	1.09	0.83	-1.97	1.19	-5.13
PLEASANT HILL ACADEMY	KISSIMMEE	62	178	-0.10	1.79	0.88	0.44	0.37	0.69
POINCIANA CHRISTIAN PREPARATORY SCHOOL	KISSIMMEE	95	208	-0.03	-1.42	-0.69	-1.63	-0.88	-2.36
POINT OF GRACE CHRISTIAN	PERRY	52	92	-2.88	0.25	-1.32	-2.44	-1.75	-3.13
PORT CHARLOTTE ADVENTIST SCHOOL	PORT CHARLOTTE	30	61	1.27	-2.77	-0.75	-2.00	0.92	-4.92
POTENTIAL CHRISTIAN ACADEMY	COOPER CITY	36	36	-1.75	-5.61	-3.68	-3.68	-1.75	-5.61
PRECIOUS LITTLE ANGELS DAY CARE II	HIALEAH	30	30	1.97	1.20	1.58	1.58	1.97	1.20
RABBI ALEXANDER S. GROSS HEBREW ACADEMY	MIAMI BEACH	61	156	0.34	-4.49	-2.07	-2.97	-0.38	-5.79

*Appendix continued*

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		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
RADIANT LIFE ACADEMY	ORLANDO	60	184	-2.92	-13.17	-8.04	-2.58	-1.05	-4.11
REAGAN EDUCATIONAL ACADEMY INC.	HIALEAH	32	67	-6.84	-15.31	-11.08	-4.18	-0.61	-7.75
REAL LIFE CHRISTIAN ACADEMY	CLERMONT	90	228	-0.29	-10.89	-5.48	-4.25	-2.03	-6.56
REBORN CHRISTIAN ACADEMY	KISSIMMEE	93	216	1.44	2.27	1.85	0.06	0.69	-0.65
REDEEMER CHRISTIAN SCHOOL	OCALA	32	116	-2.28	-1.00	-1.64	-4.92	-3.35	-6.44
REDLAND CHRISTIAN ACADEMY INC.	HOMESTEAD	54	93	2.07	5.10	3.18	1.89	1.13	3.02
REGENCY CHRISTIAN ACADEMY	ORLANDO	48	137	0.33	-10.17	-4.92	-3.35	-1.33	-5.37
RESURRECTION CATHOLIC SCHOOL	LAKELAND	34	34	5.35	10.38	7.87	7.87	5.35	10.38
RESURRECTION PARISH SCHOOL	JACKSONVILLE	49	144	7.00	7.43	7.21	3.82	2.58	5.06
RHEMA WORD CHRISTIAN ACADEMY	POMPANO BEACH	61	141	1.31	-0.34	0.48	1.93	1.78	1.84
RHODORA J. DONAHUE ACADEMY	AVE MARIA	43	108	5.60	4.47	5.03	2.00	2.34	1.67

**Appendix continued**

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		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
RIDGE CHRISTIAN ACADEMY	DAVENPORT	40	115	2.33	3.70	3.01	-0.32	1.05	-1.70
RIDGE MANOR CHRISTIAN ACADEMY	RIDGE MANOR	30	30	3.53	7.83	5.68	5.68	3.53	7.83
RIVER CHRISTIAN ACADEMY	PALATKA	40	71	-3.58	-18.00	-10.79	-5.94	-1.45	-10.42
ROBERT F MUNROE DAY SCHOOL INC	QUINCY	58	92	-0.76	-2.39	-1.58	-3.57	-3.20	-3.96
ROCKY BAYOU CHRISTIAN SCHOOL NFCEA	NICEVILLE	69	162	-3.67	-12.00	-7.57	-4.09	-2.90	-5.77
S.L. JONES CHRISTIAN ACADEMY	PENSACOLA	53	145	-15.02	-16.06	-15.54	-4.94	-3.50	-6.15
SACRED HEART	JACKSONVILLE	69	200	3.42	4.51	3.96	2.55	3.04	2.06
SACRED HEART	NEW SMYRNA BEACH	50	94	6.70	7.18	6.94	3.38	3.95	2.74
SACRED HEART CATHEDRAL SCHOOL	PENSACOLA	32	32	0.00	5.69	2.84	2.84	0.00	5.69
SACRED HEART CATHOLIC SCHOOL	PINELLAS PARK	95	255	4.07	4.24	4.16	2.18	2.28	2.08
SACRED HEART SCHOOL	LAKE WORTH	84	238	8.26	10.44	9.35	3.08	3.48	2.67

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		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
SAINT AGATHA SCHOOL	MIAMI	95	275	8.00	6.72	7.36	2.88	3.13	2.62
SAINT AMBROSE	DEERFIELD BEACH	61	143	6.15	6.95	6.55	4.30	4.63	3.98
SAINT ANASTASIA CATHOLIC SCHOOL	FORT PIERCE	79	188	5.72	4.48	5.10	1.11	1.23	0.99
SAINT ANDREW CATHOLIC	CAPE CORAL	40	102	5.13	7.00	6.06	1.71	1.41	2.01
SAINT ANDREW CATHOLIC SCHOOL	CORAL SPRINGS	86	199	7.53	10.97	9.25	4.38	4.30	4.47
SAINT ANDREW CATHOLIC SCHOOL	ORLANDO	150	427	6.75	6.71	6.62	0.47	1.86	-0.86
SAINT ANTHONY CATHOLIC SCHOOL	LAKELAND	47	83	7.47	4.30	5.88	2.87	5.00	0.75
SAINT BARNABAS EPISCOPAL SCHOOL	DELAND	40	107	-0.83	4.05	1.61	-1.92	-2.96	-0.73
SAINT BARTHOLOMEW SCHOOL	MIRAMAR	59	170	2.71	3.27	2.99	1.39	1.11	1.75
SAINT BRENDAN ELEMENTARY SCHOOL	MIAMI	112	284	6.39	6.10	6.26	3.09	3.82	2.36
SAINT BRENDAN HIGH SCHOOL	MIAMI	116	279	2.99	-1.01	0.99	0.14	1.87	-1.60

*Appendix continued*

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		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
SAINT CHARLES BORROMEO PARISH SCHOOL	ORLANDO	55	94	4.78	2.80	3.79	0.62	2.19	-0.95
SAINT COLEMAN SCHOOL	POMPANO BEACH	45	45	7.47	11.56	9.51	9.51	7.47	11.56
SAINT ELIZABETH ANN SETON	NAPLES	32	62	4.81	2.25	3.53	2.53	3.47	1.60
SAINT HELEN CATHOLIC SCHOOL	FORT LAUDERDALE	95	272	8.73	6.45	7.59	3.07	3.82	2.23
SAINT JAMES CATHOLIC SCHOOL	MIAMI	202	567	6.15	6.64	6.40	2.27	3.13	1.40
SAINT JEROME CATHOLIC SCHOOL	FORT LAUDERDALE	45	77	8.84	7.91	8.38	4.73	5.08	4.38
SAINT JOAN OF ARC	BOCA RATON	35	35	11.34	8.91	10.13	10.13	11.34	8.91
SAINT JOHN LUTHERAN	OCALA	38	71	-3.37	-7.86	-5.49	-3.15	-0.65	-5.77
SAINT JOHN PAUL II CATHOLIC SCHOOL	LECANTO	37	105	4.97	6.11	5.54	0.82	0.75	0.85
SAINT JOHN THE APOSTLE SCHOOL	HIALEAH	108	302	6.07	7.92	7.07	3.30	3.33	3.15
SAINT JOHN THE EVANGELIST	PENSACOLA	57	128	5.56	12.67	9.11	3.52	2.50	4.53

*Appendix continued*

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		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
SAINT JOHN VIANNEY SCHOOL	ORLANDO	77	128	4.03	1.10	2.55	1.68	2.34	0.83
SAINT JOHNS EPISCOPAL SCHOOL	HOMESTEAD	54	155	2.04	-0.91	0.56	0.41	2.08	-1.26
SAINT JOSEPH CATHOLIC SCHOOL	BRADENTON	32	32	7.69	6.44	7.06	7.06	7.69	6.44
SAINT JOSEPH CATHOLIC SCHOOL	PALM BAY	44	125	10.80	4.61	7.70	4.14	5.39	2.90
SAINT JOSEPH CATHOLIC SCHOOL	WINTER HAVEN	83	233	4.60	5.67	5.14	1.77	0.86	2.69
SAINT JOSEPH PARISH SCHOOL	TAMPA	97	252	3.58	5.75	4.75	2.10	2.46	1.67
SAINT JOSEPH SCHOOL	JACKSONVILLE	69	193	6.38	4.72	5.55	2.64	3.19	2.08
SAINT JOSEPH'S SCHOOL	LAKELAND	37	119	2.86	-2.95	-0.04	1.07	2.32	-0.18
SAINT JUDE CATHEDRAL SCHOOL	SAINT PETERSBURG	77	199	5.55	2.87	4.25	1.73	1.82	1.59
SAINT JUDE CATHOLIC SCHOOL	BOCA RATON	35	35	5.17	7.91	6.54	6.54	5.17	7.91
SAINT JULIANA	WEST PALM BEACH	54	94	6.37	5.83	6.10	4.36	4.95	3.77
SAINT KEVIN CATHOLIC SCHOOL	MIAMI	71	164	7.00	3.24	5.12	2.29	3.84	0.74

*Appendix continued*

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		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
SAINT LAWRENCE SCHOOL	NORTH MIAMI BEACH	60	176	7.32	2.73	5.03	2.13	3.35	0.90
SAINT LUCIE CHRISTIAN SOUTH	FORT PIERCE	55	55	-4.43	-9.56	-6.95	-6.95	-4.43	-9.56
SAINT LUKE CATHOLIC	PALM SPRINGS	72	169	4.51	-1.24	1.59	0.18	1.68	-1.31
SAINT MARY SCHOOL	FORT WALTON BEACH	59	131	6.63	4.97	5.68	2.67	2.98	2.42
SAINT MARYS CATHEDRAL	MIAMI	183	502	5.69	5.10	5.40	3.00	3.32	2.64
SAINT MARYS CATHOLIC SCHOOL	ROCKLEDGE	31	31	8.00	3.84	5.92	5.92	8.00	3.84
SAINT MATTHEWS CATHOLIC SCHOOL	JACKSONVILLE	50	123	9.70	2.94	6.32	1.54	3.70	-0.63
SAINT MICHAEL THE ARCHANGEL	MIAMI	116	345	4.07	5.84	4.95	2.77	2.34	3.19
SAINT PATRICK INTERPARISH SCHOOL	GAINESVILLE	66	164	3.71	3.39	3.55	1.55	2.30	0.80
SAINT PATRICK SCHOOL	LARGO	49	126	6.08	3.31	4.69	0.90	0.87	0.94
SAINT PATRICKS	JACKSONVILLE	37	104	3.62	8.17	6.01	2.83	1.27	4.26
SAINT PAUL CATHOLIC SCHOOL	DAYTONA BEACH	75	201	3.83	4.35	3.81	1.75	1.33	2.38

**Appendix continued**

SCHOOL NAME	CITY	NUMBER OF GAIN SCORES OBSERVED		AVERAGE GAIN SCORE IN 2018-19			AVERAGE GAIN SCORE FROM 2016-17 TO 2018-19		
		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
SAINT PAUL LUTHERAN SCHOOL	LAKELAND	41	111	-1.17	-1.10	-1.13	-1.62	-1.02	-2.23
SAINT PAUL'S CATHOLIC SCHOOL	LEESBURG	58	167	6.55	0.90	3.72	0.78	2.30	-0.73
SAINT PETER CLAVER	TAMPA	64	190	8.53	3.02	5.79	1.63	3.45	-0.19
SAINT PETERS CATHOLIC SCHOOL	DELAND	56	112	5.86	3.95	4.90	2.99	3.53	2.45
SAINT PETERSBURG CATHOLIC HIGH SCHOOL	SAINT PETERSBURG	50	81	-2.48	-8.20	-5.34	-6.60	-4.32	-8.89
SAINT PETERSBURG CHRISTIAN SCHOOL	SAINT PETERSBURG	45	132	-10.13	-18.27	-14.20	-5.94	-2.76	-9.13
SAINT ROSE OF LIMA	MIAMI SHORES	39	73	9.74	7.44	8.59	3.78	4.84	2.73
SAINT THOMAS AQUINAS HIGH SCHOOL	FORT LAUDERDALE	108	243	0.28	-1.79	-0.75	-0.34	1.03	-1.71
SAINT VINCENT FERRER	DELRAY BEACH	35	35	5.63	-0.91	2.36	2.36	5.63	-0.91
SAINTS ACADEMY INC.	ORLANDO	75	217	4.95	-1.41	1.77	-2.46	-0.49	-4.43
SAINTS PETER PAUL SCHOOL	MIAMI	53	149	10.32	6.51	8.42	4.32	5.63	2.94

**Appendix continued**

SCHOOL NAME	CITY	NUMBER OF GAIN SCORES OBSERVED		AVERAGE GAIN SCORE IN 2018-19			AVERAGE GAIN SCORE FROM 2016-17 TO 2018-19		
		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
SALAH TAWFIK ELEMENTARY & MIDDLE SCHOOL	SUNRISE	47	125	6.30	-0.85	2.72	0.39	1.26	-0.49
SAN JOSE CATHOLIC GRADE SCHOOL	JACKSONVILLE	37	107	7.81	1.16	4.49	3.02	3.46	2.59
SANTA FE CATHOLIC HIGH SCHOOL	LAKELAND	40	102	-3.90	-9.60	-6.75	-3.91	-1.69	-5.87
SARASOTA CHRISTIAN SCHOOL	SARASOTA	40	40	-0.58	-3.23	-1.90	-1.90	-0.58	-3.23
SAWGRASS ADVENTIST SCHOOL	PLANTATION	55	134	3.82	5.95	4.88	0.65	0.96	0.34
SCHECK HILLEL COMMUNITY SCHOOL INC.	NORTH MIAMI BEACH	36	36	-0.08	2.92	1.42	1.42	-0.08	2.92
SEFFNER CHRISTIAN ACADEMY	SEFFNER	57	163	-0.68	-3.60	-2.13	-2.50	-1.39	-2.12
SEVEN RIVERS CHRISTIAN SCHOOL	LECANTO	55	159	-0.84	-0.80	-0.82	-2.84	-1.52	-4.14
SHERIDAN HILLS CHRISTIAN SCHOOL	HOLLYWOOD	51	168	-2.98	-2.82	-2.90	1.44	1.54	1.35
SHILOH S.D.A. CHURCH SCHOOL	OCALA	31	31	-2.94	-8.93	-5.81	-5.81	-2.94	-8.93
SKYCREST CHRISTIAN SCHOOL	CLEARWATER	49	134	-1.76	-4.02	-2.89	-0.12	0.29	-0.52

*Appendix continued*

SCHOOL NAME	CITY	NUMBER OF GAIN SCORES OBSERVED		AVERAGE GAIN SCORE IN 2018-19			AVERAGE GAIN SCORE FROM 2016-17 TO 2018-19		
		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
SNOW WHITE & THE SEVEN DWARFS SCHOOL	HIALEAH	49	135	0.18	5.19	2.74	1.69	1.55	1.75
SOLID ROCK CHRISTIAN ACADEMY	INVERNESS	47	47	-3.91	-10.87	-7.39	-7.39	-3.91	-10.87
SONSHINE CHRISTIAN ACADEMY	CALLAHAN	37	37	3.65	-1.14	1.26	1.26	3.65	-1.14
SONSHINE CHRISTIAN ACADEMY	FT MYERS	78	191	-2.97	-10.31	-6.63	-4.18	-2.19	-6.18
SOUTH ORLANDO CHRISTIAN ACADEMY	ORLANDO	134	326	-0.68	-13.27	-7.14	-2.98	0.35	-6.16
SOUTHLAND CHRISTIAN SCHOOL	KISSIMMEE	115	307	-6.32	-14.06	-10.19	-2.99	-1.96	-3.91
SOUTHWEST FLORIDA CHRISTIAN ACADEMY	FORT MYERS	54	123	-7.69	0.07	-3.81	-1.30	-1.79	-0.98
SPRING HILL CHRISTIAN ACADEMY	SPRING HILL	62	189	-0.57	-9.39	-5.02	-4.54	-2.43	-6.55
ST. ANDREW'S EPISCOPAL ACADEMY	FORT PIERCE	34	116	-1.32	-0.74	-1.03	-0.36	0.24	-0.96
ST. BERNADETTE CATHOLIC SCHOOL	HOLLYWOOD	56	157	9.93	7.95	8.94	4.12	4.05	4.06
ST. CATHERINE CATHOLIC SCHOOL	SEBRING	44	44	6.56	2.68	4.51	4.51	6.56	2.68

*Appendix continued*

SCHOOL NAME	CITY	NUMBER OF GAIN SCORES OBSERVED		AVERAGE GAIN SCORE IN 2018-19			AVERAGE GAIN SCORE FROM 2016-17 TO 2018-19		
		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
ST. CHARLES SCHOOL	PORT CHARLOTTE	45	80	3.22	4.40	3.81	1.24	1.46	1.03
ST. ELIZABETH ANN SETON CATHOLIC SCHOOL	PALM COAST	63	156	7.51	6.63	7.07	1.44	2.30	0.58
ST. JAMES CHRISTIAN ACADEMY	PORT SAINT LUCIE	178	529	4.11	0.53	2.29	-0.75	0.52	-2.01
ST. MARY MAGDALEN CATHOLIC SCHOOL	ALTAMONTE SPRINGS	53	146	6.68	-0.04	3.32	1.00	1.31	0.68
ST. PAUL'S LUTHERAN SCHOOL	BEVERLY HILLS	35	35	1.69	6.29	3.99	3.99	1.69	6.29
ST. THOMAS AQUINAS SCHOOL	SAINT CLOUD	76	213	5.09	2.12	3.61	1.70	2.76	0.65
STETSON BAPTIST CHRISTIAN SCHOOL	DELAND	47	130	-0.98	0.72	-0.13	-2.40	-0.56	-4.23
SUNFLOWERS ACADEMY	MIAMI	193	530	-6.97	-13.85	-10.41	-3.94	-3.65	-4.25
TALLAVANA CHRISTIAN SCHOOL	HAVANA	75	191	-9.97	-21.92	-16.03	-5.89	-4.69	-7.05
TAMIAMI UNITED METHODIST ELEMENTARY	MIAMI	39	39	-2.77	-13.08	-7.92	-7.92	-2.77	-13.08
TAMPA ADVENTIST ACADEMY	TAMPA	34	109	4.94	2.79	3.87	1.32	2.76	0.04

*Appendix continued*

SCHOOL NAME	CITY	NUMBER OF GAIN SCORES OBSERVED		AVERAGE GAIN SCORE IN 2018-19			AVERAGE GAIN SCORE FROM 2016-17 TO 2018-19		
		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
TAMPA BAY CHRISTIAN ACADEMY OF FLORIDA INC	TAMPA	50	118	2.86	0.74	1.80	-0.15	-0.03	-0.26
TAMPA CATHOLIC HIGH SCHOOL INC.	TAMPA	39	130	1.05	-2.59	-0.77	-1.70	0.12	-3.52
TEMPLE CHRISTIAN ACADEMY	JACKSONVILLE	55	131	2.27	0.93	1.60	-0.70	1.01	-2.43
TEMPLE CHRISTIAN SCHOOL	TITUSVILLE	53	137	-5.72	-14.68	-10.20	-5.06	-3.01	-7.36
THE CHRISTIAN ACADEMY OF WINTER HAVEN INC.	WINTER HAVEN	61	61	-3.28	0.74	-1.27	-1.27	-3.28	0.74
THE CLASSICAL ACADEMY OF SARASOTA	SARASOTA	45	119	-0.80	-0.58	-0.69	-0.19	-0.33	-0.03
THE CONRAD ACADEMY	ORLANDO	96	220	-2.40	-12.38	-7.39	-3.19	-0.69	-5.68
THE EMBASSY ACADEMY	TAMARAC	38	38	0.34	-2.79	-1.22	-1.22	0.34	-2.79
THE MASTER'S ACADEMY	OVIDO	49	93	6.82	5.14	5.98	-0.09	0.25	-0.42
THE POTTER'S HOUSE CHRISTIAN ACADEMY	JACKSONVILLE	36	36	0.28	-18.33	-9.03	-9.03	0.28	-18.33

**Appendix continued**

SCHOOL NAME	CITY	NUMBER OF GAIN SCORES OBSERVED		AVERAGE GAIN SCORE IN 2018-19			AVERAGE GAIN SCORE FROM 2016-17 TO 2018-19		
		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
THE POTTER'S HOUSE CHRISTIAN ACADEMY ELEM	JACKSONVILLE	131	347	-2.08	-12.55	-7.33	-3.25	-1.40	-5.34
THE ROCK SCHOOL	GAINESVILLE	49	84	2.53	-0.22	1.15	0.80	1.30	0.31
THE VINE CHRISTIAN ACADEMY	KISSIMMEE	35	66	1.74	-1.89	-0.07	0.89	1.29	0.48
TORAH ACADEMY OF BOCA RATON	BOCA RATON	45	117	-7.82	-15.29	-11.56	-3.49	-2.70	-4.28
TORAS EMES ACADEMY OF MIAMI	NORTH MIAMI BEACH	110	194	-1.79	-6.65	-4.22	-1.74	-2.04	-1.38
TREASURE OF KNOWLEDGE CHRISTIAN ACADEMY	ORLANDO	30	95	-5.27	-12.83	-9.05	-1.04	-0.04	-2.03
TRINITAS ACADEMY	PLANTATION	41	126	3.51	-2.66	0.43	-0.46	0.11	-1.04
TRINITY CATHOLIC HIGH SCHOOL	OCALA	34	153	0.85	0.88	0.87	-1.93	-0.97	-2.90
TRINITY CATHOLIC SCHOOL	TALLAHASSEE	34	34	8.56	6.12	7.34	7.34	8.56	6.12
TRINITY CHRISTIAN ACADEMY	DELTONA	157	453	-2.26	-10.59	-6.42	-1.67	-0.67	-2.68
TRINITY CHRISTIAN ACADEMY	JACKSONVILLE	244	672	-1.42	-9.47	-5.49	-3.98	-2.57	-5.29

*Appendix continued*

SCHOOL NAME	CITY	NUMBER OF GAIN SCORES OBSERVED		AVERAGE GAIN SCORE IN 2018-19			AVERAGE GAIN SCORE FROM 2016-17 TO 2018-19		
		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
TRINITY CHRISTIAN ACADEMY	LAKE WORTH	97	248	-3.64	-0.42	-2.03	-0.47	-0.63	-0.31
TRINITY LUTHERAN SCHOOL	KISSIMMEE	49	130	1.84	2.31	2.07	1.18	2.24	0.12
TRU PREP ACADEMY	MIAMI GARDENS	32	32	-4.53	-12.90	-8.63	-8.63	-4.53	-12.90
TURNING POINT CHRISTIAN ACADEMY	SAINT AUGUSTINE	40	117	0.05	-11.65	-5.80	-3.18	-0.77	-5.58
UNITED BRETHREN IN CHRIST ACADEMY	HOLLY HILL	67	172	-0.52	-14.39	-7.78	-3.74	-0.80	-6.42
UNITED CEREBRAL PALSY-DIAMOND MINDS	MIAMI	58	165	9.24	5.16	7.30	2.88	3.41	2.21
UNIVERSAL ACADEMY OF FLORIDA	TAMPA	183	533	-6.15	-13.96	-10.05	-3.11	-2.02	-4.20
UNIVERSITY CHRISTIAN SCHOOL	JACKSONVILLE	80	285	-5.31	-5.42	-5.54	-1.87	-1.83	-1.53
VENICE CHRISTIAN SCHOOL	VENICE	61	152	-0.05	0.17	0.14	0.60	0.97	0.17
VICTORY CHRISTIAN ACADEMY	JACKSONVILLE	62	166	-4.84	-0.95	-2.90	0.73	-0.41	1.87
VICTORY CHRISTIAN ACADEMY	LAKELAND	120	332	-1.24	1.55	0.03	-2.15	-1.61	-2.64

**Appendix continued**

SCHOOL NAME	CITY	NUMBER OF GAIN SCORES OBSERVED		AVERAGE GAIN SCORE IN 2018-19			AVERAGE GAIN SCORE FROM 2016-17 TO 2018-19		
		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
VICTORY CHRISTIAN ACADEMY	ORLANDO	64	207	-9.36	-14.57	-12.24	-3.76	-2.07	-5.08
VILLA MADONNA	TAMPA	56	149	9.25	-1.55	3.85	1.08	3.58	-1.42
VILLA PREPATORY ACADEMY CORP	MIAMI	32	117	4.52	3.94	4.09	-0.29	1.09	-1.55
VILLAGE VIEW CHRISTIAN ACADEMY	SUMMERFIELD	36	116	-13.33	-6.19	-9.76	-5.66	-4.80	-6.57
WADE CHRISTIAN ACADEMY	MELBOURNE	31	31	-3.16	-7.10	-5.13	-5.13	-3.16	-7.10
WAKULLA CHRISTIAN SCHOOL	CRAWFORDVILLE	37	37	1.08	0.59	0.84	0.84	1.08	0.59
WALKER MEMORIAL ACADEMY	AVON PARK	63	163	-0.84	-3.48	-2.16	-1.84	-1.92	-1.71
WARNER CHRISTIAN ACADEMY	SOUTH DAYTONA BCH	144	421	1.75	-0.42	0.67	-1.94	-0.81	-3.07
WEST FLORIDA BAPTIST ACADEMY	MILTON	35	35	-0.46	-7.60	-4.03	-4.03	-0.46	-7.60
WEST GATE CHRISTIAN SCHOOL	TAMPA	51	90	4.18	0.08	2.13	1.44	2.60	0.28
WEST HERNANDO CHRISTIAN SCHOOL	SPRING HILL	84	227	0.33	-8.42	-4.04	-3.27	-2.07	-4.42
WEST MELBOURNE CHRISTIAN ACADEMY	WEST MELBOURNE	38	38	-0.84	-16.13	-8.49	-8.49	-0.84	-16.13

*Appendix continued*

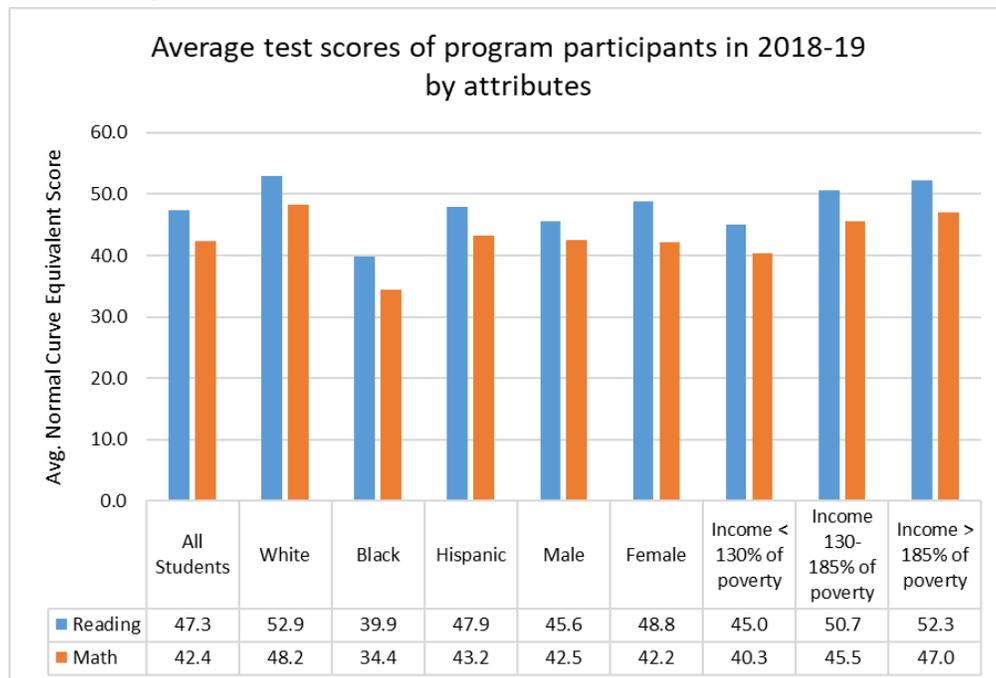
SCHOOL NAME	CITY	NUMBER OF GAIN SCORES OBSERVED		AVERAGE GAIN SCORE IN 2018-19			AVERAGE GAIN SCORE FROM 2016-17 TO 2018-19		
		2018-19 SCHOOL YEAR	BETWEEN 2016-17 AND 2018-19	READING+ MATH COMBINED	READING	MATH	READING+ MATH COMBINED	READING	MATH
WEST OAKS ACADEMY	ORLANDO	116	261	-3.12	-8.95	-6.13	-3.69	-1.87	-5.28
WESTMINSTER ACADEMY	FORT LAUDERDALE	50	132	0.42	-2.64	-1.11	-2.51	-0.81	-4.20
WESTWOOD CHRISTIAN SCHOOL	LIVE OAK	53	160	1.36	-10.02	-4.33	-0.88	1.31	-3.08
WESTWOOD CHRISTIAN SCHOOL	MIAMI	124	299	-1.10	-10.32	-5.85	-3.17	-1.07	-5.14
WHITESTONE ACADEMY	LAKELAND	41	75	1.44	-8.49	-3.52	-0.76	3.13	-4.65
WILLIAM A. KIRLEW JR. ACADEMY	MIAMI GARDENS	65	203	-1.43	-2.41	-1.85	-1.32	-0.21	-2.49
WINNERS PRIMARY SCHOOL	ORLANDO	55	86	-0.38	-1.15	-0.76	-4.55	-3.21	-5.90
WINTER HAVEN CHRISTIAN SCHOOL	WINTER HAVEN	134	330	-2.68	-12.06	-7.34	-4.06	-2.93	-5.23
WORSHIPERS' HOUSE OF PRAYER ACADEMY	MIAMI	47	125	5.51	11.28	8.39	4.34	3.26	5.41
YESHIVA ELEMENTARY	MIAMI BEACH	59	169	0.53	-5.38	-2.42	1.36	2.05	0.74
ZEPHYRHILLS CHRISTIAN ACADEMY	ZEPHYRHILLS	43	140	3.88	2.44	3.33	1.96	2.30	1.31

# Evaluation of the Florida Tax Credit Scholarship (FTC) Program for 2018-19 Summary\*

## Test Scores of Program Participants

In terms of national percentile rankings, the typical student in the FTC program scored at the 44th national percentile in reading and the 35th national percentile in math.<sup>1</sup> In other words, in reading, FTC students performed higher than 44 percent of the national sample of students within their grade and in math they performed higher than 35 percent of the national sample of students within their grade.

In terms of gains in math and reading from 2017-18 to 2018-19, the typical FTC student tended to maintain his or her relative position in comparison with all students nationally both in math and reading.<sup>2</sup>

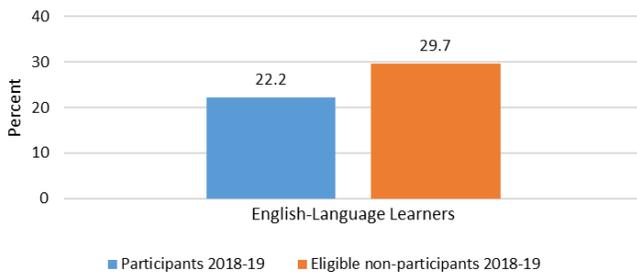


<sup>1</sup> In terms of corresponding normal curve equivalent scores, FTC students scored at the 47.3 normal curve equivalent in reading and the 42.4 normal curve equivalent in math.

<sup>2</sup> Here FTC students are being compared to all students nationally and not just students from low-income families. However, one cannot make any claims about whether gain scores of FTC students would have been higher or lower if they were compared against only students from low-income families nationally.

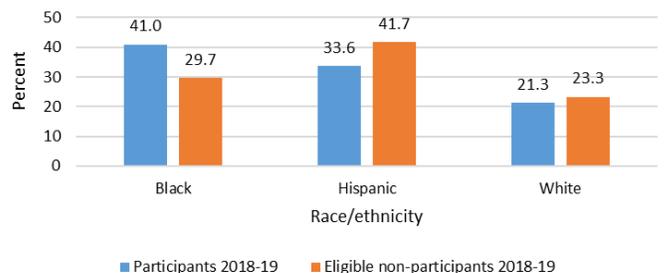
## Newly participating FTC students in 2018-19: Demographics and test scores

Comparison of prior year ELL status of new FTC students to income-eligible non-participant students



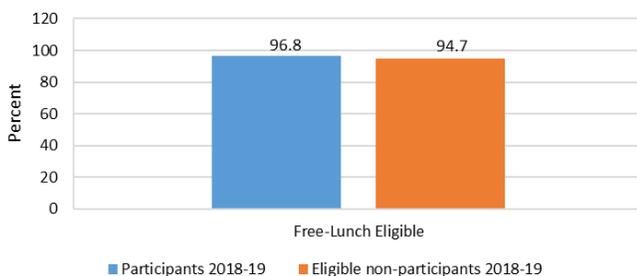
Less likely to be English-language learners than were non-participants.

Comparison of prior year race/ethnicity of new FTC students to income-eligible non-participant students



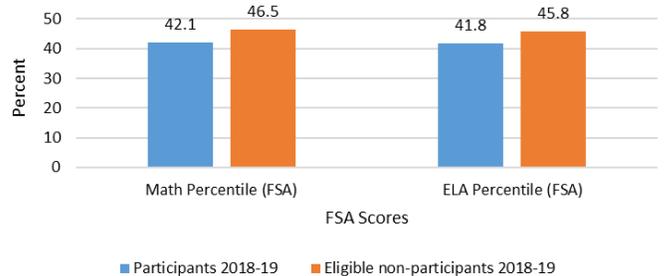
More likely to be black, and less likely to be Hispanic or white than non-participant eligible students.

Comparison of prior year free-lunch status of new FTC students to income-eligible non-participant students



The share of new FTC students who were free-lunch eligible was slightly higher than the share of free-lunch eligible, non-participant students.

Comparison of prior year FSA scores of new FTC students to income-eligible non-participant students



New FTC students performed lower in both math and English Language Arts (ELA) as compared to income-eligible non-participant students, as measured by the Florida Standards Assessment (FSA). (Also, new FTC students tended to come from lower-performing public schools than income-eligible non-FTC students).

\*Link to full report: <http://www.fldoe.org/schools/school-choice/facts-figures.stml>