

Title: Title I, Part A SES Statewide Effectiveness Program
Evaluation: Title I, Part A SES Provider Effectiveness Evaluation

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Abstract/Summary

The Elementary and Secondary Education Act requires that schools on second year of school improvement and beyond offer tutoring outside of school time to students using providers that have been approved by the State Educational Agency (SEA). The SEA is also responsible for evaluating the effectiveness of the approved providers in increasing the academic performance of the students served as measured by student performance on the state assessment(s). The Center for Research Strategies conducted the evaluation of the providers approved to implement SES tutoring for Colorado students. The performance of students served by each provider is compared to a randomly selected group of students who were eligible for services but did not receive any such services. The provider effectiveness report summarizes the demographics of the students served by each company and how they performed in relation to other providers and the comparison group.

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**EVALUATION OF NCLB TITLE I, PART A:
SUPPLEMENTAL EDUCATIONAL SERVICES
ACADEMIC YEAR 2010 – 2011 FINDINGS**

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Table of Contents

Contents

List of Acronyms.....	iii
Executive Summary	iv
EVALUATION OF NCLB TITLE I, PART A:	1
SUPPLEMENTAL EDUCATIONAL SERVICES	1
ACADEMIC YEAR 2010 – 2011 FINDINGS.....	1
Section 1: Description of Supplemental Educational Services (SES) Program Participation	1
Table 1-1. Demographic Characteristics of Students Receiving SES Services	2
Table 1-2. Grade and Gender of Students Receiving SES Services.....	2
Figure 1-1. Number of Students Receiving SES Services during Single or Multiple by Years by Service Year	3
Table 1-3. Percent of Students Receiving SES Services during Single or Multiple Years by Service Year ⁶	3
Table 1-4. Number of Tutoring Hours Received by SES Students During 2010 – 2011 Academic Year ⁶	3
Table 1-5. Number of Tutoring Hours Received by SES Students by District During 2010 – 2011 Academic Year....	4
Section 2: Description of Vendor Service Provision	5
Table 2-1. Number of Students Served by Vendor and Hours of Tutoring Approved and Completed.....	6
Table 2-2. Cost of SES Tutoring Services per Student and Total Cost by Vendor.....	7
Table 2-3. Location of Tutoring Services Provided to SES Students by Vendor.....	8
Table 2-4. Session Delivery Format of Tutoring Services Provided to SES Students by Vendors.....	9
Table 2-5. Number of SES Students by Vendor by District.....	10
Section 3: SES Vendor Effectiveness	12
Table 3-1. Demographic Characteristics of SES and Comparison Students with CSAP or DRA2 Scores (2010-2011).	13
<i>READING ACHIEVEMENT</i>	14
Table 3-2. Reading Achievement: Number of SES Students Served with CSAP Reading and DRA2 Scores (2010-2011).....	14
<i>READING ACHIEVEMENT GRADES K-3</i>	15
Table 3-3. Reading Achievement: Grades K-3. Number and Percentage of SES and Comparison Students with DRA2 Scores who Improved from 2010 to 2011 by Vendor (2010-2011).....	15
<i>READING ACHIEVEMENT: GRADES 4-10</i>	16
Table 3-4. Reading Achievement: Grades 4-10. Number and Percentage of SES and Comparison Students with CSAP Reading Scores who Improved Proficiency Categories from 2010 to 2011 by Vendor (2010-2011).	16
Table 3-5. Reading Achievement: Grades 4-10. Z-Scores and 2011 Median Growth Percentiles of SES and Comparison Students with CSAP Reading Scores by Vendor (2010-2011).	17

<i>MATH ACHIEVEMENT</i>	18
Table 3-6. Math Achievement: Number of SES Students Served with CSAP Math Scores (2010-2011).....	18
Table 3-7. Math Achievement: Grades 4-10. Number and Percentage of SES and Comparison Students with CSAP Scores who Improved Proficiency Categories from 2010 to 2011 by Vendor (2010-2011).....	19
Table 3-8. Math Achievement: Grades 4-10. Z-Scores and 2011 Median Growth Percentiles of SES and Comparison Students with CSAP Scores by Vendor (2010-2011).	20
APPENDIX A:	21
SES STUDENTS BY DISTRICT BY VENDOR	21
Table A-1. Number of SES Students by District by Vendor	22
APPENDIX B:	24
SUPPLEMENTAL VENDOR EFFECTIVENESS DATA TABLES	24
Table B-1. Reading Achievement: Grades K-3. English Language Proficiency and IEP Status of SES and Comparison Students with DRA2 Scores by Vendor (2010-2011).....	25
Table B-2. Reading Achievement: Grades 4-10. English Language Proficiency and IEP Status of SES and Comparison Students with CSAP Reading Scores by Vendor (2010-2011).....	26
Table B-3. Reading Achievement: Grades 4-10. State Approved Contract Hours, Number of SES Students who Completed or Failed to Complete their Contracts, and 2011 Median Growth Percentiles (MGP) for SES Students with CSAP Reading Scores by Vendor (2010-2011).....	27
Table B-4. Math Achievement: Grades 4-10. English Language Proficiency and IEP Status of SES and Comparison Students with CSAP Math Scores by Vendor (2010-2011).....	28
Table B-5. Math Achievement: Grades 4-10. State Approved Contract Hours, Number of SES Students who Completed or Failed to Complete their Contracts, and 2011 Median Growth Percentiles for SES Students with CSAP Scores by Vendor (2010-2011).....	29
APPENDIX C:	30
DATA CLEANING AND ANALYSIS PROCEDURE	30
Data Cleaning and Analysis Procedure	31
REPORT SECTION 1 – DEMOGRAPHICS AND PROGRAM REACH.....	31
REPORT SECTION 2 – DESCRIPTION OF VENDOR SERVICE PROVISION.....	31
REPORT SECTION 3 – SES VENDOR EFFECTIVENESS	31

List of Acronyms

CBLA	Colorado Basic Literacy Act
CSAP	Colorado Student Assessment Program
DRA2	Developmental Reading Assessment, 2 nd Edition
IEP	Individualized Education Plan
LEP	Limited English Proficient
FEP	Full English Proficient
NEP	Non-English Proficient
SES	Supplemental Educational Services

Executive Summary

SUPPLEMENTAL EDUCATIONAL SERVICES IN COLORADO (2010-2011 ACADEMIC YEAR)

Supplemental Educational Services (SES) is one component of Title I, Part A of the No Child Left Behind Act (NCLB) passed by Congress in 2001. This program provides tutoring services provided to eligible students at no expense to the students enrolled in schools that are in their second year of school improvement or that are on Corrective Action or Restructuring. The district pays for the services out of its Title I, Part A funds set aside specifically for this service. The Colorado Department of Education (CDE) performs a critical role in the administration of the program by a) approving vendors to provide tutoring services, b) evaluating the effectiveness of vendors improving student outcomes, and c) removing any providers that fail to increase the academic achievement of students for two consecutive years. This executive summary details findings from the Vendor Effectiveness Report and the Statewide Effectiveness Report.

DESCRIPTION OF SES PROGRAM PARTICIPATION

The SES program served 7,986 students during the 2010-2011 academic year. The number of participants declined slightly from the 2009-2010 academic year (n = 8,139), but still reflects a marked increase from participation between 2006 and 2009, when the number of students served ranged from 3,869 to 4,857. Students served were enrolled in kindergarten through 10th grade.

Demographic data were available for 98% of students who received services. The SES program reached a diverse population of students that included a high percentage of Latino students and students whose first language is not English. In general, the population of students served was:

- 75.44% Hispanic (n = 5,979)
- 49.92% male (n = 3,956)
- 82.50% enrolled in 1st through 5th grade
- 33.88% English only speakers (2,685) and
- 59.95% not fully proficient in English (NEP or LEP).

Evaluation of the program has been ongoing since the 2006 – 2007 academic year. The multi-year evaluation enables an examination of student participation across successive years. Of the students served through SES during the 2010 – 2011 academic year,

- 69.57% participated for the first time in 2010 – 2011, but
- 704 students have received services for 3 or more years since program inception.

Hours of tutoring ranged from 0.25 to 126.00, with a median of 26.00. The percentage of students who received 20 or fewer hours of tutoring was 28.79%. Almost 16% received 15 or fewer hours. Conversely, 53.20% of students received more than 25 hours of tutoring.

Participating students attended 116 schools within 23 unique school districts during the 2010-2011 academic year. Four school districts had students from more than 30% of their schools participating:

- Ault Highland RE9
- Denver County I
- Sheridan 2
- Westminster

However, only one school district had more than 10% of their student population participating in the SES program (Sheridan 2). Students from Denver County represented approximately 44% of the total number of students who received services.

SES VENDOR SERVICE PROVISION

Forty-five vendors provided SES services to the 7,986 participating students during the 2010-2011 academic year. While contracts must meet certain guidelines, the scope of each vendor's contract with the school district(s) it serves can vary widely. Across vendors the following factors may vary: cost per hour, number of students served, content area of tutoring, location of tutoring, and format of tutoring. During 2010 – 2011, vendor contracts with schools varied as follows:

- Number of students served: 3 to 740
- Approved hours of tutoring: 13 to 92 hours per student.
- Hourly cost: \$11.00 to \$97.00 per hour.
- Location: majority of students received tutoring at school (73.23%) or at home (20.48%) and
- Format: majority of students received tutoring in a group format.

SES VENDOR EFFECTIVENESS

NCLB requires CDE to evaluate the effectiveness of vendors and implement a procedure for removing vendors who are deemed ineffective for two consecutive years. Over the past several years, CDE developed a protocol for evaluating vendor effectiveness by comparing the achievement of students served by the vendor to a comparison group drawn from eligible students who did not participate in the SES program. The vendor effectiveness report provides details about each vendor's performance in relation to the comparison group that are utilized by CDE to make final decisions about vendor effectiveness. The selection of the comparison group and the analysis of data were completed by an impartial, external vendor: The Center for Research Strategies (CRS). Findings are detailed below.

READING ACHIEVEMENT

Grades K-3 (CBLA): Student improvement or achievement was measured by determining the percentage of students who were below the grade level target in the 2009 – 2010 academic year, but improved to at or above the grade level target in the 2010 – 2011 academic year.

In the comparison group, 18.78% of students improved from below to at or above grade level. Students receiving services from vendors performed as follows:

- Student improvement for individual vendors ranged from 2.38% to 26.45%.

- Student improvement exceeded the comparison group for students receiving services from 5 of the 18 evaluated vendors.¹
 - Steps to Success Community Learning Center
 - 1st Advantage Tutoring
 - Learn It Systems
 - Sylvan Learning Center and
 - Club Z! Tutoring

Grades 4-10 (CSAP): Student improvement or achievement was measured in two ways:

- The percentage of students who were below proficient on CSAP reading during the 2009 – 2010 academic year, but who improved at least one proficiency level during the 2010 - 2011 academic year.
- Median Growth Percentile: a measure of student improvement relative to other students with a similar achievement history.

A third index is also included, median z score, but this index is only taken into consideration as part of the body of evidence before a provider is removed from the State’s list of approved providers.

Improvement in Proficiency Category: In the comparison group, 24.25% of students improved at least one proficiency category on CSAP reading. Students receiving services from vendors performed as follows:

- Student improvement for individual vendors ranged from 4.76% to 38.64%.
- Student improvement exceeded the comparison group for students receiving services from 7 of the 23 evaluated vendors.²
 - Learn It Systems
 - EDUSS Learning
 - Inspired Solutions
 - Imagine Learning
 - Academic Coaching
 - Steps to Success Community Learning Center and
 - Reading and Math Success (RAMS).

Median Growth Percentile: In the comparison group, median Growth Percentile was 47.00 for CSAP reading. Students receiving services from vendors performed as follows:

- Median growth percentiles of students in the vendor groups ranged from 32.00 to 74.00.
- Student improvement exceeded or equaled the comparison group for students receiving services from 17 of the 23 evaluated vendors.³

¹ 20 vendors could not be evaluated because they served too few students who received reading services or too few of the students served were below proficient during the prior academic year.

² 20 vendors could not be evaluated because they served too few students for reading or too few of their students were below grade level during the prior academic year.

³ 17 vendors could not be evaluated because they served too few students for reading or too few of their students had valid CSAP data.

- Academic Coaching
- Learn It Systems
- Educate-Online
- Imagine Learning
- Step to Success Community Learning Center
- Department of Extended Learning
- Reading and Math Success (RAMS)
- The Youth Foundation Power Hours
- EDUSS Learning
- Club Z! Tutoring
- University of Denver Bridge Project
- Sylvan Learning Center
- Adventures in Learning K-12
- Dreamcatcher Direct Instruction Centers
- Results Learning
- School Technology Extensions
- John Corcoran Foundation

MATH ACHIEVEMENT

Grades 4-10 (CSAP): Student improvement or achievement was measured in two ways:

- The percentage of students who were below proficient on CSAP reading during the 2009 – 2010 academic year, but who improved at least one proficiency level during the 2010 - 2011 academic year.
- Median Growth Percentile: a measure of student improvement relative to other students with a similar achievement history.

A third index is also included, median z score, but this index is only taken into consideration as part of the body of evidence before a provider is removed from the State’s list of approved providers.

Improvement in Proficiency Category: In the comparison group, 20.72% of students improved at least one proficiency category on CSAP math. Students receiving services from vendors performed as follows:

- Student improvement for individual vendors ranged from 13.48% to 33.33%.
- Student improvement exceeded the comparison group for students receiving services from 10 of the 14 evaluated vendors.⁴
 - Academic Coaching
 - Reading and Math Success (RAMS)
 - A+ Learning Solutions
 - Department of Extended Learning
 - Educate Online
 - Club Z! Tutoring
 - A to Z In-Home Tutoring
 - Inspired Solutions

⁴ 20 vendors could not be evaluated because they served too few students for math or too few of their students were below grade level during the prior academic year.

- Sylvan Learning Center and
- EDUSS Learning

Median Growth Percentile: In the comparison group, median Growth Percentile was 50.00 for CSAP math. Students receiving services from vendors performed as follows:

- Median growth percentiles of students in the vendor groups ranged from 34.50 to 65.00.
- Student improvement exceeded or equaled the comparison group for students receiving services from 11 of the 19 evaluated vendors.⁵
 - Reading and Math Success
 - Academic Coaching
 - John Corcoran Foundation
 - Department of Extended Learning
 - 1st Advantage Tutoring
 - Educate-Online
 - EDUSS Learning
 - Summit Learning Services
 - Sylvan Learning Services
 - A to Z In-Home Tutoring
 - School Technology Extensions

OVERALL PROGRAM EFFECTIVENESS

In order to improve the quality of the program, CDE also evaluates the extent to which the statewide program is effective at raising student performance and whether the benefits of the program vary as a function of student characteristics or services provided. CRS conducted the analyses on behalf of CDE to provide an impartial assessment of program effectiveness. Analyses were conducted separately for CBLA, CSAP Reading and CSAP math. Primary analyses compared the overall performance of students receiving tutoring services to the performance of the comparison group to assess program effectiveness.

CRS also created an independent index of vendor effectiveness. Vendors were rank ordered on each outcome measure for each assessment (e.g., CBLA, CSAP Reading) based upon their students' performance. From these rank orderings, vendors were classified as being in the top, middle or bottom tier of vendors providing services during the 2010 – 2011 academic year. This enabled an examination of whether statewide program effectiveness varied as a function of vendor effectiveness.

READING ACHIEVEMENT

Grades K-3 (CBLA): In general, students in the comparison group tended to demonstrate greater improvement in reading than students receiving SES services (18.78% vs. 14.99%). This finding was consistent across analyses. There were some indications that SES students who were fully English proficient (FEP) and those with an IEP may have improved more than comparison students. In addition students receiving online tutoring

⁵ 15 vendors could not be evaluated because they served too few students for reading or too few of their students had valid CSAP data.

tended to improve more than comparison students. However, none of these differences were statistically significant, probably due to small sample sizes.

Vendor effectiveness was associated with student improvement. Students of top tier vendors demonstrated greater improvement than students of bottom tier vendors and students of middle tier vendors were between the two. Students of bottom tier vendors demonstrated significantly less improvement than students in the comparison group.

Grades 4-10 (CSAP): Overall, students in the comparison group tended to demonstrate slightly better improvement in reading than students receiving SES tutoring. However, these differences were typically not significant. However, there were some notable findings.

- Students receiving **20 or more hours of tutoring** improved significantly more (as measured by Median Growth Percentile) than students in the comparison group.
- Tutoring format had a significant impact on improvement (as measured by Median Growth Percentile). Students receiving **online tutoring** demonstrated significantly greater growth in reading performance than students in the comparison group.
- Vendor Effectiveness had a significant impact on improvement (as measured by Median Growth Percentile).
 - Students of **top tier vendors** demonstrated significantly better improvement than students in the comparison group.
 - Students of **bottom tier vendors** demonstrated significantly worse improvement than students in the comparison group.

MATH ACHIEVEMENT

Grades 4-10 (CSAP): Overall, students receiving SES tutoring demonstrated significantly greater improvement in math performance than students in the comparison group. This finding was consistent across outcome measures. Several notable findings should be highlighted.

- Students receiving **20 or more hours of tutoring** improved significantly more than students in the comparison group.
- Students **without an IEP** demonstrated greater improvement than the comparison group. The same was not true for students with an IEP.
- While not statistically significant, students receiving **online tutoring** demonstrated the greatest improvement of all students. The small number of students receiving tutoring in this format likely impacted the analyses. All tutoring formats appeared effective for math.
- Vendor Effectiveness had a significant impact on improvement (as measured by Median Growth Percentile).
 - Students of **top tier vendors** demonstrated significantly better improvement than students in the comparison group.

**EVALUATION OF NCLB TITLE I, PART A:
SUPPLEMENTAL EDUCATIONAL SERVICES
ACADEMIC YEAR 2010 – 2011 FINDINGS**

Section I: Description of Supplemental Educational Services (SES) Program Participation

Section I of the SES report provides background information on the 7,986 students who received tutoring services under the program during the 2010 – 2011 academic year. Students participating in the programming were enrolled in Kindergarten through 10th grade. The majority of students were Latino with slightly less than 34% of the participating students speaking English only.

Students participating in the program were enrolled in 116 schools within 23 districts in the state of Colorado. The 2010 – 2011 academic year was the first year of participation for almost 70% of students while the remainder participated in the program during prior years as well. The number of tutoring hours varied widely across students and ranged from 0.25 to 126 hours of tutoring during the academic year.

Appendix C provides detailed information on the data cleaning process for Section I of the report.

Table I-1. Demographic Characteristics of Students Receiving SES Services⁶

Demographic Characteristics	SES Students	
	N	%
Gender		
Male	3,956	49.92
Female	3,880	48.96
Missing	89	1.12
Total	7,925	100.00
Ethnicity		
American Indian or Alaskan Native	65	0.82
Asian	210	2.65
Black (not Hispanic)	787	9.93
Hispanic	5,979	75.44
White (not Hispanic)	669	8.44
Native Hawaiian or Pacific Islander	11	0.14
Two or More Races	115	1.45
Missing	89	1.12
Total	7,925	100.00
Language Proficiency		
N/A – English only speakers	2,685	33.88
NEP	1,723	21.74
LEP	3,028	38.21
FEP	400	5.05
Missing	89	1.12
Total	7,925	100.00
IEP		
No IEP	6,829	86.17
Has an IEP	1,007	12.71
Missing	89	1.12
Total	7,925	100.00
Reading Accommodations⁷		
No accommodation	5,598	82.20
Received accommodation	1,140	16.74
Missing	72	1.06
Total	6,810	100.00
Math Accommodations⁸		
No accommodation	1,064	69.93
Received accommodation	459	30.04
Missing	5	0.33
Total	1,528	100.00

Table I-2. Grade and Gender of Students Receiving SES Services⁹

Grade	Male		Female		Total
	N	%	N	%	N
Kindergarten	190	51.91	176	48.09	366
1 st Grade	678	49.82	683	50.18	1,361
2 nd Grade	751	51.54	706	48.46	1,457
3 rd Grade	673	48.98	701	51.02	1,374
4 th Grade	626	49.76	632	50.24	1,258
5 th Grade	519	51.13	496	48.87	1,015
6 th Grade	170	53.29	149	46.71	319
7 th Grade	141	50.72	137	49.28	278
8 th Grade	146	48.99	152	51.01	298
9 th Grade	39	54.93	32	45.07	71
10 th grade	23	58.97	16	41.03	39
Total	3,956	50.48	3,880	49.52	7,836

⁶ Excludes 61 students with invalid student IDs.

⁷ Reported for students in grades K-10 who received reading SES services.

⁸ Reported for students in grades 4-10 who received math SES services.

⁹ Excludes 61 students with invalid student IDs and 89 students with missing data.

Figure I-1. Number of Students Receiving SES Services during Single or Multiple by Years by Service Year¹⁰

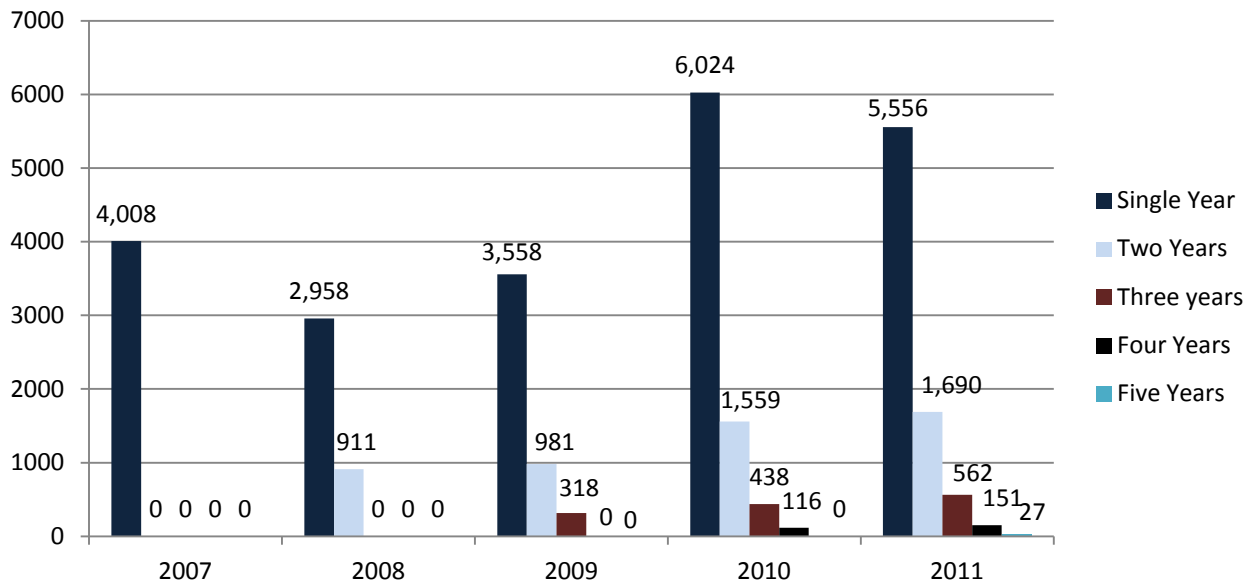


Table I-3. Percent of Students Receiving SES Services during Single or Multiple Years by Service Year⁶

Years of SES Service	Academic Year				
	2006 – 2007	2007 – 2008	2008 – 2009	2009 – 2010	2010 – 2011
1	100.00	76.45	73.26	74.03	69.57
2	0.00	23.55	20.20	19.16	21.16
3	0.00	0.00	6.55	5.38	7.04
4	0.00	0.00	0.00	1.43	1.89
5	0.00	0.00	0.00	0.00	0.34
Total Served	4,008	3,869	4,857	8,137	7,986

Table I-4. Number of Tutoring Hours Received by SES Students During 2010 – 2011 Academic Year⁶

Hours of Services	Number of Students	Percent of Students
0.25 – 15.00	1,273	15.94
15.25 – 20.00	1,026	12.85
20.25 – 25.00	1,438	18.01
25.25 – 30.00	1,909	23.90
30.25 – 35.00	845	10.58
35.25 – 126.00	1,495	18.72
Total	7,986	100.00

¹⁰ Includes all students who received SES services.

Table I-5. Number of Tutoring Hours Received by SES Students by District During 2010 – 2011 Academic Year¹¹

District Name	Schools Participating		Students Participating		Hours Per Student			
	N	%	N	%	Min	Max	Mean	Median
1. Adams County 14	2	14.29	179	2.37	1.00	41.75	19.87	21.00
2. Adams-Arapahoe 28]	13	22.81	1,223	3.17	1.00	47.00	26.42	27.50
3. Alamosa RE1 I	1	16.67	3	0.14	11.00	16.00	13.67	14.00
4. Ault Hilland RE9	1	33.33	10	1.18	7.00	56.00	25.30	16.00
5. Boulder Valley RE2	5	9.09	58	0.20	2.00	48.00	21.77	22.50
6. Cherry Creek 5	4	7.02	327	0.63	1.00	38.50	24.23	24.50
7. Colorado Springs 11	1	1.69	31	0.11	2.25	37.50	20.21	21.00
8. Delta County 50(j)	1	5.26	12	0.23	2.00	26.25	14.56	15.50
9. Denver County 1	52	34.44	3,485	4.45	0.50	126.00	30.42	26.00
10. Eagle County RE 50	1	5.00	63	1.02	47.00	77.00	65.74	66.00
11. Greeley 6	2	7.41	272	1.39	1.00	48.75	20.67	20.00
12. Gunnison Watershed RE1 J	1	14.29	25	1.34	1.00	37.50	13.72	12.75
13. Jefferson County R-1	7	4.29	687	0.80	0.50	40.75	21.86	21.00
14. Keenesburg RE3]	1	16.67	31	1.36	3.00	21.00	15.02	19.00
15. Mesa County Valley 51	1	2.27	3	0.01	24.00	32.00	27.00	25.00
16. Montrose County RE1 J	2	14.29	49	0.76	1.00	26.25	15.48	18.00
17. Northglenn-Thornton 12	7	13.46	318	0.76	0.25	37.00	24.56	23.00
18. Sheridan 2	2	40.00	205	12.40	1.50	63.50	24.69	28.00
19. St Vrain Valley Re 1 J	2	4.08	169	0.62	1.00	34.50	18.74	18.00
20. Summit RE1	1	11.11	24	0.77	1.25	35.00	14.96	10.63
21. Thompson R-2]	2	6.06	96	0.63	1.50	35.00	23.30	25.00
22. Weld County S/D RE-8	1	16.67	40	2.01	19.50	73.50	45.09	45.00
23. Westminster 50	6	31.58	676	6.73	0.50	63.50	30.62	29.50
Total	116	13.26	7,986	1.63	0.25	126.00	27.53	26.00

¹¹ Includes all students who received SES services.

Section 2: Description of Vendor Service Provision

Section 2 of the SES report describes the type, amount, and cost of tutoring services provided by vendors. During the 2010 – 2011 academic year, there were 45 state approved vendors that provided math or reading tutoring services to students through the SES program. Vendors served from 3 to 740 students throughout the academic year. Twenty-eight students received services from more than one vendor. Those students are represented in data for all vendors from which they received services resulting in a higher number of students served than reported in section 1 ($7,986 + 28 = 8,014$).

Vendors were approved to provide between 13 and 92 hours of tutoring per student. Less than 44% of students completed all of their approved contract hours. On average, students received 27.70 hours of tutoring across the academic year. The hourly cost of tutoring services varied widely across the vendors from a low of \$11.00 per hour to a high of \$97.00 per hour and an average cost of \$48.99 per hour. The average cost of tutoring per student for the year was \$1,224.31.

Vendors provided tutoring services in a variety of venues including students' homes, community centers, schools, and other sites. Vendors provided over 70% of tutoring services in school and 20% of tutoring services in students' homes. The majority of tutoring services were provided in a group format (72.09%), with some tutoring provided individually (17.54%) or online (6.95%).

Appendix C provides detailed information on the data cleaning process for Section 2 of the report.

Table 2-1. Number of Students Served by Vendor and Hours of Tutoring Approved and Completed¹²

Vendor	Students Served (N)	Min Approved Contract Hours	Mean Hours per Student	Median Hours per Student	Students Completing ALL Contracted Hours	
					N	%
1 st Advantage Tutoring	210	25.00	20.69	25.00	109	51.90
A to Z In-Home Tutoring	233	17.00	21.96	25.50	155	66.52
A+ Learning Solutions	148	14.00	19.35	21.50	120	81.08
ABC Phonetic Reading School	23	15.00	17.60	18.25	19	82.61
Academic Coaching	60	24.00	24.12	25.00	46	76.67
Advanced Brain Gym Plus	31	15.00	24.81	22.75	26	83.87
Adventures in Learning K-12	108	30.00	19.24	20.50	7	6.48
Applied Scholastics International	47	30.00	31.24	34.50	40	85.11
ATS Project Success	40	20.00	23.08	21.87	30	75.00
Brainfuse One-to-One Instruction	3	30.00	21.00	21.00	1	33.33
Center for Hearing, Speech, and Language	316	55.00	41.82	46.50	1	0.32
Chancellor Supplemental Educational Services, LLC	15	33.50	32.54	36.00	11	73.33
Club Z! Tutoring	543	19.00	27.96	27.00	414	76.24
Department of Extended Learning	212	64.00	59.01	59.50	94	44.34
Dreamcatcher Direct Instruction Centers	572	30.00	21.35	24.00	54	9.44
Educate-Online	144	24.00	19.35	24.00	84	58.33
EDUSS Learning	416	20.00	20.44	20.00	384	92.31
GEO Foundation Educational Services	149	24.00	28.68	30.00	133	89.26
Global Partnership Schools, Inc	31	27.00	23.54	28.00	5	16.13
Imagine Learning	285	22.00	20.98	25.00	181	63.51
Innovadia	2	20.00	28.50	21.75	1	50.00
Inspired Solutions	218	14.00	20.97	24.00	174	79.82
John Corcoran Foundation	524	20.00	26.81	26.00	435	83.02
L.I.F.E. Centered Training Corporation, Inc.	33	36.00	33.24	42.50	23	69.70
Learn It Systems	165	24.00	22.28	26.00	103	64.42
Lutheran Family Services of Colorado	21	84.00	27.50	24.00	0	0.00
Northwest Coalition for Better Schools	27	50.00	40.75	38.00	9	33.33
Reach for Tomorrow, Inc.	13	35.00	18.54	21.00	0	0.00
READ, READ, READ LLC	11	16.00	12.97	14.25	3	27.27
Reading and Math Success (RAMS)	462	40.00	27.80	30.00	8	1.73
Results Learning	475	22.00	23.32	27.00	330	69.47
Riverside Educational Center	3	36.00	27.00	25.00	0	0.00
School Technology Extensions	84	32.00	23.06	21.25	31	36.90
Sheridan School District	205	31.50	24.87	28.00	43	20.98
SmartKids Academy	95	19.00	22.65	25.00	69	72.63
Step to Success Community Learning Center	370	20.00	21.03	20.00	4	1.08
Summer Scholars	564	92.00	46.95	46.00	0	0.00
Summit Learning Services	139	20.00	27.31	26.00	125	89.93
Sylvan Learning Center	740	36.00	25.60	30.00	138	18.65
The Hillsprings Learning Center	4	30.00	34.50	33.00	3	75.00
The Youth Foundation Power Hours	63	76.00	65.74	66.00	4	6.35
Tree of Knowledge	81	13.00	14.99	17.50	50	61.73
Tutorial Services	48	36.00	25.48	27.75	6	12.50
University of Denver Bridge Project	42	50.00	41.15	50.00	29	69.05
Weld RE-8 School District	39	90.00	47.50	48.00	0	0.00
Total	8,014	13.00	27.70	26.00	3,502	43.70

¹² Includes all vendor contracts with students.

Table 2-2. Estimated Cost of SES Tutoring Services per Student and Total Cost by Vendor¹³

Vendor	Students Served (N)	Mean Hours per Student	Mean Cost per Hour	Mean Cost per Student	Total Hours of Tutoring	Total Cost
1 st Advantage Tutoring	210	20.39	\$60.00	\$1,223.29	4,281.50	\$256,890.00
A to Z In-Home Tutoring	233	21.30	\$55.00	\$1,171.76	4,964.00	\$273,020.00
A+ Learning Solutions	148	19.57	\$64.67	\$1,269.46	2,896.25	\$187,879.40
ABC Phonetic Reading School	23	16.95	\$69.00	\$1,169.25	389.75	\$26,892.75
Academic Coaching	60	23.94	\$50.00	\$1,196.88	1,436.25	\$71,812.50
Advanced Brain Gym Plus	31	23.46	\$72.35	\$1,714.86	727.25	\$53,160.75
Adventures in Learning K-12	108	18.53	\$51.94	\$970.15	2,001.75	\$104,776.30
Applied Scholastics International	47	31.30	\$45.00	\$1,408.64	1,471.25	\$66,206.25
ATS Project Success	40	22.49	\$60.00	\$1,349.63	899.75	\$53,985.00
Brainfuse One-to-One Instruction	3	21.00	\$50.00	\$1,050.00	63.00	\$3,150.00
Center for Hearing, Speech, and Language	316	41.17	\$24.22	\$997.12	13,009.50	\$315,090.10
Chancellor Supplemental Educational Services, LLC	15	33.00	\$50.00	\$1,650.00	495.00	\$24,750.00
Club Z! Tutoring	543	27.19	\$50.72	\$1,338.21	14,763.75	\$726,645.80
Department of Extended Learning	212	58.55	\$22.00	\$1,288.06	12,412.25	\$273,069.50
Dreamcatcher Direct Instruction Centers	572	20.87	\$54.06	\$1,136.08	11,935.25	\$649,835.30
Educate-Online	144	19.05	\$62.57	\$1,196.91	2,742.75	\$172,355.10
EDUSS Learning	416	20.17	\$73.67	\$1,486.62	8,390.50	\$618,433.00
GEO Foundation Educational Services	149	28.25	\$50.00	\$1,412.42	4,209.00	\$210,450.00
Global Partnership Schools, Inc	31	24.31	\$54.19	\$1,310.08	753.50	\$40,612.50
Imagine Learning	285	20.51	\$59.00	\$1,209.86	5,844.25	\$344,810.80
Innovadia	2	21.75	\$60.00	\$1,305.00	43.50	\$2,610.00
Inspired Solutions	218	21.20	\$44.85	\$944.40	4,621.00	\$205,878.60
John Corcoran Foundation	524	27.13	\$53.63	\$1,371.14	14,216.75	\$718,479.00
L.I.F.E. Centered Training Corporation, Inc.	33	34.91	\$43.65	\$1,525.03	1,152.00	\$50,325.92
Learn It Systems	165	22.10	\$62.35	\$1,377.94	3,645.75	\$227,360.80
Lutheran Family Services of Colorado	21	27.50	\$25.00	\$687.50	577.50	\$14,437.50
Northwest Coalition for Better Schools	27	37.17	\$15.00	\$557.50	1,003.50	\$15,052.50
Reach for Tomorrow, Inc.	13	18.54	\$50.00	\$926.92	241.00	\$12,050.00
READ, READ, READ LLC	11	13.27	\$97.00	\$1,287.45	146.00	\$14,162.00
Reading and Math Success (RAMS)	462	27.36	\$45.00	\$1,231.10	12,639.25	\$568,766.30
Results Learning LLC	475	23.24	\$50.49	\$1,198.52	11,037.00	\$569,296.40
Riverside Educational Center	3	27.00	\$32.00	\$864.00	81.00	\$2,592.00
School Technology Extensions	84	24.28	\$49.53	\$1,201.89	2,039.25	\$100,959.10
Sheridan School District	205	24.69	\$27.62	\$674.81	5,061.25	\$138,336.60
SmartKids Academy	95	22.86	\$50.00	\$1,143.16	2,172.00	\$108,600.00
Step to Success Community Learning Center	370	21.02	\$71.42	\$1,451.80	7,776.00	\$537,166.30
Summer Scholars	564	46.77	\$30.48	\$1,425.51	26,377.50	\$803,986.20
Summit Learning Services	139	26.98	\$46.95	\$1,270.08	3,753.00	\$176,541.00
Sylvan Learning Center	740	26.03	\$40.48	\$1,052.84	19,265.50	\$779,100.50
The Hillsprings Learning Center	4	33.13	\$41.90	\$1,387.94	132.50	\$5,551.75
The Youth Foundation Power Hours	63	65.74	\$11.00	\$723.12	4,141.50	\$45,556.50
Tree of Knowledge	81	14.04	\$65.00	\$912.41	1,137.00	\$73,905.00
Tutorial Services	48	25.26	\$60.00	\$1,515.63	1,212.50	\$72,750.00
University of Denver Bridge Project	42	42.76	\$30.00	\$1,282.86	1,796.00	\$53,880.00
Weld RE-8 School District	39	45.37	\$30.00	\$1,361.15	1,769.50	\$53,085.00
Total	8,014	27.42	\$48.99	\$1,224.31	219,724.25	\$9,824,254.02

¹³ Includes all vendor contracts with students.

Table 2-3. Location of Tutoring Services Provided to SES Students by Vendor¹⁴

Vendor	School	Home	Community Center	Multiple Sites	Other	Total Students
I st Advantage Tutoring	202	0	6	0	2	210
A to Z In-Home Tutoring	0	233	0	0	0	233
A+ Learning Solutions	99	46	0	0	3	148
ABC Phonetic Reading School	11	0	0	0	12	23
Academic Coaching	0	55	0	0	4	60
Advanced Brain Gym Plus	31	0	0	0	0	31
Adventures in Learning K-12	0	108	0	0	0	108
Applied Scholastics International	19	9	19	0	0	47
ATS Project Success	0	40	0	0	0	40
Brainfuse One-to-One Instruction	0	3	0	0	0	3
Center for Hearing, Speech, and Language	316	0	0	0	0	316
Chancellor Supplemental Educational Services, LLC	15	0	0	0	0	15
Club Z! Tutoring	363	158	2	14	6	543
Department of Extended Learning	205	7	0	0	0	212
Dreamcatcher Direct Instruction Centers	537	3	32	0	0	572
Educate-Online	1	142	0	0	1	144
EDUSS Learning	377	0	0	0	39	416
GEO Foundation Educational Services	149	0	0	0	0	149
Global Partnership Schools, Inc	24	0	7	0	0	31
Imagine Learning	285	0	0	0	0	285
Innovadia	0	0	0	0	2	2
Inspired Solutions	218	0	0	0	0	218
John Corcoran Foundation	171	353	0	0	0	524
L.I.F.E. Centered Training Corporation, Inc.	5	0	0	0	28	33
Learn It Systems	165	0	0	0	0	165
Lutheran Family Services of Colorado	21	0	0	0	0	21
Northwest Coalition for Better Schools	27	0	0	0	0	27
Reach for Tomorrow, Inc.	13	0	0	0	0	13
READ, READ, READ LLC	0	0	11	0	0	11
Reading and Math Success (RAMS)	460	0	2	0	0	462
Results Learning	447	26	0	1	1	475
Riverside Educational Center	0	0	3	0	0	3
School Technology Extensions	66	18	0	0	0	84
Sheridan School District	205	0	0	0	0	205
SmartKids Academy	95	0	0	0	0	95
Step to Success Community Learning Center	57	313	0	0	0	370
Summer Scholars	564	0	0	0	0	564
Summit Learning Services	105	25	9	0	0	139
Sylvan Learning Center	510	0	119	0	111	740
The Hillsprings Learning Center	4	0	0	0	0	4
The Youth Foundation Power Hours	63	0	0	0	0	63
Tree of Knowledge	0	80	0	0	1	81
Tutorial Services	0	22	0	0	26	48
University of Denver Bridge Project	0	0	0	0	42	42
Weld RE-8 School District	39	0	0	0	0	39
Total Number	5,869	1,641	210	15	279	8,014
Total Percent	73.23%	20.48%	2.62%	0.19%	3.48%	100.00%

¹⁴ Includes all vendor contracts with students.

Table 2-4. Session Delivery Format of Tutoring Services Provided to SES Students by Vendors¹⁵

Vendor	Individual	Group	Individual & Group	Online	Total Students
1 st Advantage Tutoring	0	210	0	0	210
A to Z In-Home Tutoring	233	0	0	0	233
A+ Learning Solutions	49	99	0	0	148
ABC Phonetic Reading School	0	23	0	0	23
Academic Coaching	57	2	1	0	60
Advanced Brain Gym Plus	2	29	0	0	31
Adventures in Learning K-12	108	0	0	0	108
Applied Scholastics International	14	33	0	0	47
ATS Project Success	1	0	0	39	40
Brainfuse One-to-One Instruction	0	0	0	3	3
Center for Hearing, Speech, and Language	0	316	0	0	316
Chancellor Supplemental Educational Services, LLC	0	15	0	0	15
Club Z! Tutoring	179	364	0	0	543
Department of Extended Learning	0	212	0	0	212
Dreamcatcher Direct Instruction Centers	6	566	0	0	572
Educate-Online	1	1	0	142	144
EDUSS Learning	0	416	0	0	416
GEO Foundation Educational Services	0	149	0	0	149
Global Partnership Schools, Inc	0	31	0	0	31
Imagine Learning	79	0	206	0	285
Innovadia	1	0	0	1	2
Inspired Solutions	0	218	0	0	218
John Corcoran Foundation	416	108	0	0	524
L.I.F.E. Centered Training Corporation, Inc.	0	33	0	0	33
Learn It Systems	0	165	0	0	165
Lutheran Family Services of Colorado	0	21	0	0	21
Northwest Coalition for Better Schools	0	27	0	0	27
Reach for Tomorrow, Inc.	0	13	0	0	13
READ, READ, READ LLC	11	0	0	0	11
Reading and Math Success (RAMS)	0	462	0	0	462
Results Learning	38	437	0	0	475
Riverside Educational Center	0	3	0	0	3
School Technology Extensions	0	66	0	18	84
Sheridan School District	0	205	0	0	205
SmartKids Academy	0	64	31	0	95
Step to Success Community Learning Center	0	57	0	313	370
Summer Scholars	0	564	0	0	564
Summit Learning Services	22	117	0	0	139
Sylvan Learning Center	94	646	0	0	740
The Hillsprings Learning Center	1	3	0	0	4
The Youth Foundation Power Hours	0	63	0	0	63
Tree of Knowledge	81	0	0	0	81
Tutorial Services	7	0	0	41	48
University of Denver Bridge Project	6	0	36	0	42
Weld RE-8 School District	0	39	0	0	39
Total Number	1,406	5,777	274	557	8,014
Total Percent	17.54%	72.09%	3.42%	6.95%	100.00%

¹⁵ Includes all vendor contracts with students.

Table 2-5. Number of SES Students by Vendor by District¹⁶

Vendor/Districts	Students (N)
1st Advantage Tutoring	210
Northglenn-Thornton 12	6
Adams County 14	9
Adams-Arapahoe 28J	40
Denver County I	133
Jefferson County	22
A to Z In-Home Tutoring	233
Northglenn-Thornton 12	43
Adams County 14	13
Adams-Arapahoe 28J	31
St. Vrain Valley RE1J	1
Boulder Valley RE2	1
Denver County I	74
Jefferson County	45
Thompson R2J	2
Greeley 6	7
A+ Learning Solutions	148
Northglenn-Thornton 12	6
Adams County 14	3
Cherry Creek 5	42
Adams-Arapahoe 28J	41
Denver County I	9
Jefferson County	7
Montrose County RE1J	29
Summit RE1	11
ABC Phonetic Reading School	23
Adams County 14	10
Adams Arapahoe 28J	7
Denver County I	2
Jefferson County	4
Academic Coaching	60
Northglenn-Thornton 12	17
Adams County 14	10
Boulder Valley RE2	10
Denver County I	23
Advanced Brain Gym Plus	31
Boulder Valley RE2	2
Denver County I	23
Jefferson County	6
Adventures in Learning K-12	108
Alamosa RE1 I	3
Cherry Creek 5	16
Adams-Arapahoe 28J	14
Denver County I	13
Colorado Springs 11	8
Gunnison Watershed RE1J	25
Jefferson County	8
Thompson R2J	5
Montrose County RE1J	16

Vendor/Districts	Students (N)
Applied Scholastics International	47
Adams-Arapahoe 28J	14
Denver County I	24
Jefferson County	9
ATS Project Success	40
Northglenn-Thornton 12	3
Adams county 14	3
Cherry Creek 5	2
Adams-Arapahoe 28J	6
Denver County I	11
Greeley 6	15
Brainfuse One-to-One Instruction	3
Denver County I	3
Center for Hearing, Speech, and Language	316
Westminster 50	316
Chancellor Supplemental Educational Services, LLC	15
Denver County I	15
Club Z! Tutoring	543
Northglenn-Thornton 12	10
Adams County 14	16
Adams-Arapahoe 28J	121
Cherry Creek 5	21
Colorado Springs 11	6
Denver County I	323
Jefferson County	46
Dreamcatcher Direct Instruction Centers	572
Northglenn-Thornton 12	3
Adams County 14	54
Adams-Arapahoe 28J	19
Ault Hiland RE9	6
Cherry Creek 5	20
Denver County I	197
Greeley 6	36
St. Vrain Valley RE1J	39
Summit RE1	13
Thompson R2J	57
Westminster 50	128
Department of Extended Learning	212
Denver County I	212
Educate-Online	144
Adams Arapahoe 28J	7
Delta County 50J	12
Denver County I	98
Jefferson County	22
Montrose County RE1J	4
Greeley 6	1

¹⁶ Includes all vendor contracts with students.

Vendor/Districts	Students (N)
EDUSS Learning	416
Cherry Creek 5	43
Adams-Arapahoe 28J	33
Jefferson County	301
Greeley 6	39
GEO Foundation Educational Services	149
Denver County I	149
Global Partnership Schools, Inc	31
Adams-Arapahoe 28J	5
Denver County I	26
Imagine Learning	285
Denver County I	285
Innovadia	2
Adams Arapahoe 28J	1
Denver County I	1
Inspired Solutions	218
Adams County 14	56
Jefferson County	70
Keenesburg RE3J	30
Greeley 6	62
John Corcoran Foundation	524
Northglenn-Thornton 12	38
Denver County I	410
Jefferson County	40
Greeley 6	36
L.I.F.E. Centered Training Corporation, Inc.	33
Adams-Arapahoe 28J	3
Boulder Valley RE2	4
Greeley 6	22
Ault Hiland RE9	4
Learn It Systems	165
Westminster 50	22
Adams-Arapahoe 28J	20
Denver County I	120
Jefferson County	3
Lutheran Family Services of Colorado	21
Denver County I	21
Northwest Coalition for Better Schools	27
Denver County I	27
Reach for Tomorrow, Inc.	13
Adams-Arapahoe 28J	13
READ, READ, READ LLC	11
Cherry Creek 5	6
Boulder Valley RE2	2
Denver County I	3
Reading and Math Success (RAMS)	462
Adams-Arapahoe 28J	462
Results Learning	475
Westminster 50	150
Cherry Creek 5	15
Adams-Arapahoe 28J	27
Denver County I	239
Jefferson County	44
Riverside Educational Center	3
Mesa County Valley 5I	3

Vendor/Districts	Students (N)
School Technology Extensions	84
Northglenn-Thornton 12	1
Westminster 50	65
Adams-Arapahoe 28J	4
Denver County I	3
Colorado Springs 11	9
Thompson R2J	1
Keenesburg RE3J	1
Sheridan School District	205
Sheridan 2	205
SmartKids Academy	95
Adams-Arapahoe 28J	29
Denver County I	66
Step to Success Community Learning Center	370
Northglenn-Thornton 12	3
Adams-Arapahoe 28J	229
Denver County I	138
Summer Scholars	564
Denver County I	564
Summit Learning Services	139
Northglenn-Thornton 12	77
Adams-Arapahoe 28J	17
Boulder Valley RE2	11
Denver County I	31
Jefferson County	3
Sylvan Learning Center	740
Northglenn-Thornton 12	112
Adams-Arapahoe 28J	65
Boulder Valley RE2	3
Denver County I	191
Jefferson County	59
Cherry Creek 5	146
Adams County 14	3
St. Vrain RE1J	129
Thompson R2J	31
Weld County SD RE8	1
The Hillsprings Learning Center	4
Colorado Springs 11	4
The Youth Foundation Power Hours	63
Eagle County RE50	63
Tree of Knowledge	81
Cherry Creek 5	6
Adams—Arapahoe 28J	4
Boulder Valley RE2	9
Denver County I	2
Colorado Springs 11	4
Greeley 6	56
Tutorial Services	48
Adams County 14	5
Cherry Creek 5	12
Adams Arapahoe 28J	19
Denver County I	12
University of Denver Bridge Project	42
Denver County I	42
Weld RE-8 School District	39
Weld County SD RE8	39

Section 3: SES Vendor Effectiveness

Section 3 of the SES report examines vendor effectiveness in impacting reading and math test scores. Effectiveness in improving reading achievement was examined separately for students in grades K – 3 and those in grades 4 – 10 because different tests were utilized to assess performance. Vendor impact on math achievement was not assessed for grades K – 3 because no assessment was available to assess performance.

In general, SES students were included in the effectiveness analyses if they:

- Had valid test scores for 2009 – 2010 and 2010 – 2011
- Completed the test in English (only relevant for reading) and
- Advanced a single grade between academic year 2009 – 2010 and 2010 – 2011.

Appendix C provides more detailed information on the data cleaning and comparison group selection process for Section 3 of the report. Efforts were taken to ensure that the comparison group was as comparable to the SES group as possible by only including students from schools that SES student attended, only including students eligible for free and reduced lunch, and taking prior proficiency level into consideration when drawing the comparison sample. Comparison samples were drawn independently for Reading K – 3, Reading 4 – 10, and Math 4 – 10.

Vendor effectiveness in improving student performance varied across subject area and criteria used to assess effectiveness.

- Reading grades K – 3
 - 5 of the 18 vendors who could be evaluated had a greater percentage of students improve reading performance relative to the comparison group.
- Reading grades 4 – 10
 - Proficiency Level: 7 of the 23 vendors who could be evaluated had a greater percentage of students who improved reading proficiency levels relative to the comparison group.
 - Median Growth Percentile: 17 of the 26 vendors who could be evaluated had a higher median growth percentile for their SES students relative to the comparison group students.
- Math grades 4 – 10
 - Proficiency Level: 10 of the 14 vendors who could be evaluated had a greater percentage of students who improved math proficiency levels relative to the comparison group.
 - Median Growth Percentile: 11 of the 19 vendors who could be evaluated had a higher median growth percentile for their SES students relative to the comparison group students.

Table 3-1. Demographic Characteristics of SES and Comparison Students with CSAP or DRA2 Scores (2010-2011).

Demographic Characteristics	DRA2 N (%)		CSAP Reading N (%)		CSAP Math N (%)	
	SES	Comparison	SES	Comparison	SES	Comparison
Gender						
Male	1,143 (51.26)	2,550 (50.79)	1,135 (52.35)	2,684 (52.15)	690 (49.93)	4,445 (50.68)
Female	1,087 (48.74)	2,471 (49.21)	1,033 (47.65)	2,463 (47.85)	692 (50.07)	4,325 (49.32)
Total	2,230 (100.00)	5,021 (100.00)	2,168 (100.00)	5,147 (100.00)	1,382 (100.00)	8,770 (100.00)
Ethnicity						
American Indian or Alaskan Native	13 (0.58)	30 (0.60)	19 (0.88)	41 (0.80)	10 (0.72)	65 (0.74)
Asian	61 (2.74)	97 (1.93)	56 (2.58)	107 (2.08)	33 (2.39)	142 (1.62)
Black (not Hispanic)	273 (12.24)	608 (12.11)	264 (12.18)	479 (9.31)	148 (10.71)	827 (9.43)
Hispanic	1,751 (78.52)	3,918 (78.03)	1,616 (74.54)	3,948 (76.70)	1,035 (74.89)	6,822 (77.79)
White (not Hispanic)	90 (4.04)	294 (5.86)	176 (8.12)	491 (9.54)	135 (9.77)	784 (8.94)
Native Hawaiian or Pacific Islander	4 (0.18)	14 (0.28)	5 (0.23)	12 (0.23)	2 (0.14)	13 (0.15)
Two or More Races	38 (1.70)	60 (1.19)	32 (1.48)	69 (1.34)	19 (1.37)	117 (1.33)
Total	2,230 (100.00)	5,021 (100.00)	2,168 (100.00)	5,147 (100.00)	1,382 (100.00)	8,770 (100.00)
Language Proficiency						
N/A – English only speakers	653 (29.28)	1,778 (35.41)	794 (36.62)	2,073 (40.28)	497 (35.96)	3,389 (38.64)
NEP	489 (21.93)	1,166 (23.22)	225 (10.38)	426 (8.28)	129 (9.33)	694 (7.91)
LEP	1,047 (46.95)	2,006 (39.95)	943 (43.50)	2,153 (41.83)	575 (41.61)	3,421 (39.01)
FEP	41 (1.84)	71 (1.41)	206 (9.50)	495 (9.62)	181 (13.10)	1,266 (14.44)
Total	2,230 (100.00)	5,021 (100.00)	2,168 (100.00)	5,147 (100.00)	1,382 (100.00)	8,770 (100.00)
IEP						
No IEP	2,046 (91.75)	4,556 (90.74)	1,779 (82.06)	4,338 (84.28)	1,176 (85.09)	7,549 (86.08)
Has an IEP	184 (8.25)	465 (9.26)	389 (17.94)	809 (15.72)	206 (14.91)	1,221 (13.92)
Total	2,230 (100.00)	5,021 (100.00)	2,168 (100.00)	5,147 (100.00)	1,382 (100.00)	8,770 (100.00)
Accommodations						
No accommodation	2,223 (99.69)	4,987 (99.32)	1,444 (66.61)	3,500 (68.00)	982 (71.06)	6,269 (71.48)
Received accommodation	7 (0.31)	34 (0.68)	724 (33.40)	1,647 (32.00)	400 (28.94)	2,501 (28.52)
Total	2,230 (100.00)	5,021 (100.00)	2,168 (100.00)	5,147 (100.00)	1,382 (100.00)	8,770 (100.00)

READING ACHIEVEMENT

Table 3-2. Reading Achievement: Number of SES Students Served with CSAP Reading and DRA2 Scores (2010-2011).

Vendor	Served Overall (N) ^{17, 18}	Served for Reading (N) ^{14, 15}	CSAP Reading		DRA2		Total Evaluated for Reading	
			N	%	N	%	N	%
1 st Advantage Tutoring	208	147	47	31.97	44	29.93	91	61.90
A to Z In-Home Tutoring	232	225	80	35.56	54	24.00	134	59.56
A+ Learning Solutions	147	122	30	24.59	31	25.41	61	50.00
ABC Phonetic Reading School	23	23	3	13.04	4	17.39	7	30.43
Academic Coaching	59	59	28	47.46	7	11.86	35	59.32
Advanced Brain Gym Plus	31	31	19	61.29	6	19.35	25	80.65
Adventures in Learning K-12	107	97	27	27.84	12	12.37	39	40.21
Applied Scholastics International	47	43	18	41.86	11	25.58	29	67.44
ATS Project Success	40	24	5	20.83	7	29.17	12	50.00
Brainfuse One-to-One Instruction	3	3	2	66.67	0	0.00	2	66.67
Center for Hearing, Speech, and Language	311	311	99	31.83	0	0.00	99	31.83
Chancellor Supplemental Educational Services, LLC	15	0	0	--	0	--	0	--
Club Z! Tutoring	538	521	205	39.35	186	35.70	391	75.05
Department of Extended Learning	212	212	72	33.96	73	34.43	145	68.40
Dreamcatcher Direct Instruction Centers	568	486	142	29.22	103	21.19	245	50.41
Educate-Online	143	77	27	35.06	12	15.58	39	50.65
EDUSS Learning	414	260	80	30.77	42	16.15	122	46.92
GEO Foundation Educational Services	148	71	10	14.08	35	49.30	45	63.38
Global Partnership Schools, Inc	31	30	6	20.00	16	53.33	22	73.33
Imagine Learning	284	284	82	28.87	155	54.58	237	83.45
Innovadia	1	1	1	100.00	0	0.00	1	100.00
Inspired Solutions	217	141	35	24.82	0	0.00	35	24.82
John Corcoran Foundation	520	334	151	45.21	72	21.56	223	66.77
L.I.F.E. Centered Training Corporation, Inc.	33	33	7	21.21	3	9.09	10	30.30
Learn It Systems	160	160	54	33.75	72	45.00	126	78.75
Lutheran Family Services of Colorado	21	21	2	9.52	9	42.86	11	52.38
Northwest Coalition for Better Schools	27	27	0	0.00	21	77.78	21	77.78
Reach for Tomorrow, Inc.	13	13	3	23.08	10	76.92	13	100.00
READ, READ, READ LLC	11	11	2	18.18	8	72.73	10	90.91
Reading and Math Success (RAMS)	461	461	159	34.49	257	55.75	416	90.24
Results Learning	473	473	95	20.08	157	33.19	252	53.28
Riverside Educational Center	3	3	3	100.00	0	0.00	3	100.00
School Technology Extensions	83	83	20	24.10	6	7.23	26	31.33
Sheridan School District	203	122	70	57.38	1	0.82	71	58.20
SmartKids Academy	95	95	21	22.11	45	47.37	66	69.47
Step to Success Community Learning Center	368	368	142	38.59	194	52.72	336	91.30
Summer Scholars	563	527	122	23.15	302	57.31	424	80.46
Summit Learning Services	136	131	40	30.53	30	22.90	70	53.44
Sylvan Learning Center	729	566	176	31.10	146	25.80	322	56.89
The Hillsprings Learning Center	4	4	2	50.00	0	0.00	2	50.00
The Youth Foundation Power Hours	63	63	24	38.10	31	49.21	55	87.30
Tree of Knowledge	80	46	8	17.39	4	8.70	12	26.09
Tutorial Services	48	48	19	39.58	18	37.50	37	77.08
University of Denver Bridge Project	42	42	23	54.76	18	42.86	41	97.62
Weld RE-8 School District	38	38	7	18.42	28	73.68	35	92.11
Total	7,953	6,837	2,168	31.71	2,230	32.62	4,398	64.33

¹⁷ Includes students in grades K-10.

¹⁸ Includes all vendor contracts with students.

READING ACHIEVEMENT GRADES K-3

Table 3-3. Reading Achievement: Grades K-3. Number and Percentage of SES and Comparison Students with DRA2 Scores who Improved from 2010 to 2011 by Vendor (2010-2011).

Vendor	Served for Reading (N) ^{19, 20}	Valid DRA2 Data (N)	Below Grade-Level Target (N)	Improved (N)	Improved (%)
Step to Success Community Learning Center	216	194	121	32	26.45
1 st Advantage Tutoring	71	44	26	6	23.08
Learn It Systems	101	72	39	8	20.51
Sylvan Learning Center	363	146	92	18	19.57
Club Z! Tutoring	272	186	129	25	19.38
Comparison Group	N/A	5,021	3,366	632	18.78
Reading and Math Success (RAMS)	286	257	205	35	17.07
Results Learning	362	157	105	17	16.19
Summer Scholars	381	302	192	31	16.15
GEO Foundation Educational Services	51	35	32	4	12.50
SmartKids Academy	59	45	32	4	12.50
Dreamcatcher Direct Instruction Centers	314	103	63	7	11.11
John Corcoran Foundation	120	72	54	6	11.11
A+ Learning Solutions	77	31	22	2	9.09
Imagine Learning	193	155	84	7	8.33
Department of Extended Learning	106	73	63	5	7.94
The Youth Foundation Power Hours	33	31	31	2	6.45
Summit Learning Services	74	30	20	1	5.00
A to Z In-Home Tutoring	129	54	42	1	2.38
Improvement is not reported for these vendors because fewer than 20 students were below the grade-level target					
ABC Phonetic Reading School	19	--	--	--	--
Academic Coaching	21	7	4	--	--
Advanced Brain Gym Plus	11	--	--	--	--
Adventures in Learning K-12	65	12	7	--	--
Applied Scholastics International	23	11	6	--	--
ATS Project Success	17	--	--	--	--
Educate-Online	33	12	8	--	--
EDUSS Learning	163	42	16	--	--
Global Partnership Schools, Inc	22	16	7	--	--
L.I.F.E. Centered Training Corporation, Inc.	24	3	2	--	--
Lutheran Family Services of Colorado	16	--	--	--	--
Northwest Coalition for Better Schools	27	21	13	--	--
Reach for Tomorrow, Inc.	10	--	--	--	--
READ, READ, READ LLC	9	--	--	--	--
School Technology Extensions	61	6	2	--	--
Sheridan School District	43	1	1	--	--
Tree of Knowledge	36	4	4	--	--
Tutorial Services	22	18	13	--	--
University of Denver Bridge Project	18	--	--	--	--
Weld RE-8 School District	30	28	19	--	--

¹⁹ Includes students in grades K-3.

²⁰ Includes all vendor contracts with students.

READING ACHIEVEMENT: GRADES 4-10

Table 3-4. Reading Achievement: Grades 4-10. Number and Percentage of SES and Comparison Students with CSAP Reading Scores who Improved Proficiency Categories from 2010 to 2011 by Vendor (2010-2011).

Vendor	Served for Reading (N) ^{21,22}	Valid CSAP Data (N)	Started Unsatisfactory OR Partially Proficient (N)	Improved (N)	Improved (%)
Learn It Systems	58	54	44	17	38.64
EDUSS Learning	96	80	45	16	35.56
Inspired Solutions	36	35	24	7	29.17
Imagine Learning	91	82	59	17	28.81
Academic Coaching	37	28	21	6	28.57
Step to Success Community Learning Center	150	142	116	31	26.72
Reading and Math Success (RAMS)	173	159	142	37	26.06
Comparison Group	N/A	5,147	4,012	973	24.25
Summer Scholars	143	122	104	25	24.04
Club Z! Tutoring	231	205	154	37	24.03
Center for Hearing, Speech, and Language	113	99	84	20	23.81
The Youth Foundation Power Hours	30	24	21	5	23.81
Results Learning	111	95	80	18	22.50
Educate-Online	33	27	23	5	21.74
Sylvan Learning Center	194	176	124	26	20.97
Department of Extended Learning	104	72	57	11	19.30
Dreamcatcher Direct Instruction Centers	157	142	103	19	18.45
A to Z In-Home Tutoring	90	80	62	11	17.74
John Corcoran Foundation	198	151	124	21	16.94
Summit Learning Services	43	40	31	4	12.90
A+ Learning Solutions	34	30	24	3	12.50
1 st Advantage Tutoring	59	47	37	4	10.81
Sheridan School District	79	70	57	4	7.02
Adventures in Learning K-12	31	27	21	1	4.76
Improvement is not reported for these vendors because fewer than 20 students were Unsatisfactory or Partially Proficient					
ABC Phonetic Reading School	4	--	--	--	--
Advanced Brain Gym Plus	20	19	13	--	--
Applied Scholastics International	20	18	17	--	--
ATS Project Success	6	--	--	--	--
Brainfuse One-to-One Instruction	2	--	--	--	--
GEO Foundation Educational Services	20	10	8	--	--
Global Partnership Schools, Inc	8	--	--	--	--
Innovadia	1	--	--	--	--
L.I.F.E. Centered Training Corporation, Inc.	8	--	--	--	--
Lutheran Family Services of Colorado	5	--	--	--	--
Reach for Tomorrow, Inc.	3	--	--	--	--
READ, READ, READ LLC	2	--	--	--	--
Riverside Educational Center	3	--	--	--	--
School Technology Extensions	21	20	13	--	--
SmartKids Academy	34	21	16	--	--
The Hillsprings Learning Center	2	--	--	--	--
Tree of Knowledge	9	--	--	--	--
Tutorial Services	24	19	11	--	--
University of Denver Bridge Project	23	23	15	--	--
Weld RE-8 School District	8	--	--	--	--

²¹ Includes students in grades 4-10.

²² Includes all vendor contracts with students.

Table 3-5. Reading Achievement: Grades 4-10. Z-Scores and 2011 Median Growth Percentiles of SES and Comparison Students with CSAP Reading Scores by Vendor (2010-2011).²³

Vendor	Served for Reading (N) ^{24,25}	Valid CSAP Data (N)	Median Z-Scores			Median Growth Percentile
			2010	2011	Difference ²⁶	
Academic Coaching	37	28	-0.86	-0.57	0.32	74.00
Learn It Systems	58	54	-0.78	-0.70	0.21	62.50
Educate-Online	33	27	-0.99	-0.88	0.24	60.00
Imagine Learning	91	82	-0.85	-0.65	0.11	54.00
Step to Success Community Learning Center	150	142	-0.87	-0.70	0.15	53.50
Department of Extended Learning	104	72	-0.80	-0.95	0.01	53.00
Reading and Math Success (RAMS)	173	159	-1.02	-0.89	0.12	53.00
The Youth Foundation Power Hours	30	24	-0.90	-0.72	0.00	53.00
EDUSS Learning	96	80	-0.37	-0.40	0.06	52.50
Club Z! Tutoring	231	205	-0.92	-0.87	0.11	52.00
University of Denver Bridge Project	23	23	-0.53	-0.56	0.02	52.00
Sylvan Learning Center	194	176	-0.75	-0.75	0.06	50.50
Adventures in Learning K-12	31	27	-0.93	-0.84	0.11	50.00
Dreamcatcher Direct Instruction Centers	157	142	-0.66	-0.63	0.10	49.00
Results Learning	111	95	-1.00	-0.90	0.10	48.00
School Technology Extensions	21	20	-0.54	-0.61	0.15	47.50
John Corcoran Foundation	198	151	-1.23	-1.30	0.08	47.00
Comparison Group	N/A	5,147	-0.86	-0.84	0.06	47.00
Summit Learning Services	43	40	-1.19	-1.14	0.05	46.50
A+ Learning Solutions	34	30	-1.02	-0.93	0.02	45.50
A to Z In-Home Tutoring	90	80	-0.85	-0.94	0.03	45.00
Summer Scholars	143	122	-1.05	-0.83	0.12	44.50
Inspired Solutions	36	35	-0.68	-0.55	0.00	44.00
SmartKids Academy	34	21	-0.91	-1.10	0.00	42.00
Center for Hearing, Speech, and Language	113	99	-0.83	-0.91	0.05	40.00
1 st Advantage Tutoring	59	47	-1.25	-1.17	0.03	38.00
Sheridan School District	79	70	-0.92	-1.15	-0.08	32.00
Improvement is not reported for these vendors because fewer than 20 students had valid CSAP data.						
ABC Phonetic Reading School	4	--	--	--	--	--
Advanced Brain Gym Plus	20	19	--	--	--	--
Applied Scholastics International	20	18	--	--	--	--
ATS Project Success	6	--	--	--	--	--
Brainfuse One-to-One Instruction	2	--	--	--	--	--
GEO Foundation Educational Services	20	10	--	--	--	--
Global Partnership Schools, Inc	8	--	--	--	--	--
Innovadia	1	--	--	--	--	--
L.I.F.E. Centered Training Corporation, Inc.	8	--	--	--	--	--
Lutheran Family Services of Colorado	5	--	--	--	--	--
Reach for Tomorrow, Inc.	3	--	--	--	--	--
READ, READ, READ LLC	2	--	--	--	--	--
Riverside Educational Center	3	--	--	--	--	--
The Hillsprings Learning Center	2	--	--	--	--	--
Tree of Knowledge	9	--	--	--	--	--
Tutorial Services	24	19	--	--	--	--
Weld RE-8 School District	8	--	--	--	--	--

²³ Median, rather than mean, z-scores were used for this report because the distribution of z-scores was skewed. Medians provide a more accurate estimate of central tendency in skewed distributions. Note that mean was used in prior reports.

²⁴ Includes students in grades 4-10.

²⁵ Includes all vendor contracts with students.

²⁶ The difference between the 2010 and 2011 z-scores was calculated for each student. The median difference score for each vendor was computed and reported. This represents a change from prior years when the mean values were simply subtracted to produce a difference score.

MATH ACHIEVEMENT

Table 3-6. Math Achievement: Number of SES Students Served with CSAP Math Scores (2010-2011).

Vendor	Served Overall (N) ^{27,28}	Served for Math (N) ^{22,23}	Total Evaluated for Math	
			N	%
1 st Advantage Tutoring	208	61	37	60.66
A to Z In-Home Tutoring	232	224	85	37.95
A+ Learning Solutions	147	127	43	33.86
ABC Phonetic Reading School	23	0	0	0.00
Academic Coaching	59	59	29	49.15
Advanced Brain Gym Plus	31	0	0	0.00
Adventures in Learning K-12	107	73	22	30.14
Applied Scholastics International	47	21	15	71.43
ATS Project Success	40	16	8	50.00
Brainfuse One-to-One Instruction	3	3	2	66.67
Center for Hearing, Speech, and Language	311	0	0	0.00
Chancellor Supplemental Educational Services, LLC	15	15	5	33.33
Club Z! Tutoring	538	327	140	42.81
Department of Extended Learning	212	212	99	46.70
Dreamcatcher Direct Instruction Centers	568	82	23	28.05
Educate-Online	143	66	41	62.12
EDUSS Learning	414	379	184	48.55
GEO Foundation Educational Services	148	77	26	33.77
Global Partnership Schools, Inc	31	1	1	100.00
Imagine Learning	284	0	0	0.00
Innovadia	1	0	0	0.00
Inspired Solutions	217	76	30	39.47
John Corcoran Foundation	520	186	115	61.83
L.I.F.E. Centered Training Corporation, Inc.	33	33	7	21.21
Learn It Systems	160	13	9	69.23
Lutheran Family Services of Colorado	21	21	2	9.52
Northwest Coalition for Better Schools	27	27	0	0.00
Reach for Tomorrow, Inc.	13	13	3	23.08
READ, READ, READ LLC	11	0	0	0.00
Reading and Math Success (RAMS)	461	461	164	35.57
Results Learning	473	0	0	0.00
Riverside Educational Center	3	2	2	100.00
School Technology Extensions	83	83	21	25.30
Sheridan School District	203	81	80	98.77
SmartKids Academy	95	2	1	50.00
Step to Success Community Learning Center	368	0	0	0.00
Summer Scholars	563	37	20	54.05
Summit Learning Services	136	118	35	29.66
Sylvan Learning Center	729	163	92	56.44
The Hillspings Learning Center	4	4	2	50.00
The Youth Foundation Power Hours	63	0	0	0.00
Tree of Knowledge	80	40	13	32.50
Tutorial Services	48	48	19	39.58
University of Denver Bridge Project	42	0	0	0.00
Weld RE-8 School District	38	38	7	18.42
Total	7,953	3,189	1,382	43.34

²⁷ Includes students in grades K-10.

²⁸ Includes all vendor contracts with students.

Table 3-7. Math Achievement: Grades 4-10. Number and Percentage of SES and Comparison Students with CSAP Scores who Improved Proficiency Categories from 2010 to 2011 by Vendor (2010-2011).

Vendor	Served for Math (N) ^{29,30}	Valid CSAP Data (N)	Started Unsatisfactory OR Partially Proficient (N)	Improved (N)	Improved (%)
Academic Coaching	52	29	21	7	33.33
Reading and Math Success (RAMS)	426	164	118	39	33.05
A+ Learning Solutions	110	43	23	7	30.43
Department of Extended Learning	205	99	78	21	26.92
Educate-Online	63	41	30	8	26.67
Club Z! Tutoring	307	140	102	27	26.47
A to Z In-Home Tutoring	188	85	56	14	25.00
Inspired Solutions	63	30	25	6	24.00
Sylvan Learning Center	139	92	63	15	23.81
EDUSS Learning	316	184	108	25	23.15
Comparison Group	N/A	8,770	6,072	1,258	20.72
Sheridan School District	81	80	50	10	20.00
Summit Learning Services	100	35	27	5	18.52
1 st Advantage Tutoring	59	37	26	4	15.38
John Corcoran Foundation	176	115	89	12	13.48
Improvement is not reported for these vendors because fewer than 20 students were Unsatisfactory or Partially Proficient					
Adventures in Learning K-12	59	22	17	--	--
Applied Scholastics International	19	--	--	--	--
ATS Project Success	14	--	--	--	--
Brainfuse One-to-One Instruction	3	--	--	--	--
Chancellor Supplemental Educational Services, LLC	13	--	--	--	--
Dreamcatcher Direct Instruction Centers	74	23	18	--	--
GEO Foundation Educational Services	70	26	16	--	--
Global Partnership Schools, Inc	1	--	--	--	--
Learn It Systems	12	--	--	--	--
L.I.F.E. Centered Training Corporation, Inc.	28	7	6	--	--
Lutheran Family Services of Colorado	21	2	2	--	--
Reach for Tomorrow, Inc.	13	--	--	--	--
Riverside Educational Center	2	--	--	--	--
School Technology Extensions	73	21	7	--	--
SmartKids Academy	2	--	--	--	--
Summer Scholars	34	20	15	--	--
The Hillsprings Learning Center	3	--	--	--	--
Tree of Knowledge	37	13	8	--	--
Tutorial Services	40	19	12	--	--
Weld RE-8 School District	28	7	6	--	--

²⁹ Includes students in grades 4-10.

³⁰ Includes all vendor contracts with students.

Table 3-8. Math Achievement: Grades 4-10. Z-Scores and 2011 Median Growth Percentiles of SES and Comparison Students with CSAP Scores by Vendor (2010-2011).³¹

Vendor	Served for Math (N) ^{32, 33}	Valid CSAP Data (N)	Median Z-Scores			Median Growth Percentile
			2010	2011	Difference ³⁴	
Reading and Math Success (RAMS)	426	164	-0.96	-0.77	0.23	65.00
Academic Coaching	52	29	-0.88	-0.64	0.19	63.00
John Corcoran Foundation	176	115	-1.01	-0.80	0.20	63.00
Department of Extended Learning	205	99	-0.80	-0.62	0.14	60.00
1 st Advantage Tutoring	59	37	-0.53	-0.53	0.18	59.00
Educate-Online	63	41	-0.77	-0.52	0.11	55.00
EDUSS Learning	316	184	-0.56	-0.44	0.11	54.50
Summit Learning Services	100	35	-1.20	-1.05	0.29	54.00
Sylvan Learning Center	139	92	-0.90	-0.73	0.15	53.50
A to Z In-Home Tutoring	188	85	-0.76	-0.92	0.14	53.00
School Technology Extensions	73	21	-0.32	-0.20	0.13	50.00
Comparison Group	NA	8,770	-0.80	-0.71	0.08	50.00
A+ Learning Solutions	110	43	-0.53	-0.75	0.00	47.00
Club Z! Tutoring	307	140	-0.93	-0.75	0.05	47.00
Sheridan School District	81	80	-0.76	-0.62	-0.05	46.50
Adventures in Learning K-12	59	22	-1.14	-0.87	0.04	43.50
Summer Scholars	34	20	-1.34	-1.22	0.07	43.50
Dreamcatcher Direct Instruction Centers	74	23	-1.05	-1.10	0.09	41.00
Inspired Solutions	63	30	-1.04	-0.82	0.01	40.00
GEO Foundation Educational Services	70	26	-0.77	-0.57	0.17	34.50
Improvement is not reported for these vendors because fewer than 20 students had valid CSAP data						
Applied Scholastics International	19	--	--	--	--	--
ATS Project Success	14	--	--	--	--	--
Brainfuse One-to-One Instruction	3	--	--	--	--	--
Chancellor Supplemental Educational Services, LLC	13	--	--	--	--	--
Global Partnership Schools, Inc	1	--	--	--	--	--
L.I.F.E. Centered Training Corporation, Inc.	28	7	--	--	--	--
Learn It Systems	12	--	--	--	--	--
Lutheran Family Services of Colorado	21	2	--	--	--	--
Reach for Tomorrow, Inc.	13	--	--	--	--	--
Riverside Educational Center	2	--	--	--	--	--
SmartKids Academy	2	--	--	--	--	--
The Hillsprings Learning Center	3	--	--	--	--	--
Tree of Knowledge	37	13	--	--	--	--
Tutorial Services	40	19	--	--	--	--
Weld RE-8 School District	28	7	--	--	--	--

³¹ Median, rather than mean, z-scores were used for this report because the distribution of z-scores was skewed. Medians provide a more accurate estimate of central tendency in skewed distributions. Note that mean was used in prior reports.

³² Includes students in grades 4-10.

³³ Includes all vendor contracts with students.

³⁴ The difference between the 2010 and 2011 z-scores was calculated for each student. The median difference score for each vendor was computed and reported. This represents a change from prior years when the mean values were simply subtracted to produce a difference score.

**APPENDIX A:
SES STUDENTS BY DISTRICT BY VENDOR**



Table A-I. Number of SES Students by District by Vendor³⁵

District/ Vendor	Students (N)
Adams 12	319
I st Advantage Tutoring	6
A to Z In-Home Tutoring	43
A+ Learning Solutions	6
Academic Coaching	17
ATS Project Success	3
Club Z! Tutoring,	10
Dreamcatcher Direct Instruction Centers	3
John Corcoran Foundation	38
School Technology Extensions	1
Step to Success Community Learning Center	3
Summit Learning Services	77
Sylvan Learning Center	112
Adams County 14	182
I st Advantage Tutoring	9
A to Z In-Home Tutoring	13
A+ Learning Solutions	3
ABC Phonetic Reading School	10
Academic Coaching	10
ATS Project Success	3
Club Z Tutoring	16
Dreamcatcher Direct Instruction Centers	54
Inspired Solutions	56
Sylvan Learning Center	3
Tutorial Services	5
Adams-Arapahoe 28J	1,231
I st Advantage Tutoring	40
A to Z In-Home Tutoring	31
A+ Learning Solutions	41
ABC Phonetic Reading School	7
Adventures in Learning K-12	14
Applied Scholastics International	14
ATS Project Success	6
Club Z! Tutoring	121
Dreamcatcher Direct Instruction Centers	19
Educate-Online	7
EDUSS Learning	33
Global Partnership Schools, Inc.	5
Innovadia	1
L.I.F.E. Centered Training Corp., Inc	3
Learn It Systems	20
Reach for Tomorrow, Inc.	13
Reading and Math Success (RAMS)	462
Results Learning LLC	27
School Technology Extensions	4
SmartKids Academy	29
Step to Success Community Learning Center	229
Summit Learning Services	17
Sylvan Learning Center	65
Tree of Knowledge	4
Tutorial Services	19

District/ Vendor	Students (N)
Alamosa RE11	3
Adventures in Learning K-12	3
Ault Hiland RE9	10
Dreamcatcher Direct Instruction Centers	6
L.I.F.E. Centered Training Corporation, Inc	4
Boulder Valley RE2	58
A to Z In-Home Tutoring	17
Academic Coaching	10
Advanced Brain Gym Plus	2
L.I.F.E. Centered Training Corp., Inc	4
READ, READ, READ LLC	2
Summit Learning Services	11
Sylvan Learning Center	3
Tree of Knowledge	9
Cherry Creek 5	329
A+ Learning Solutions	42
Adventures in Learning K-12	16
ATS Project Success	2
Club Z! Tutoring	21
Dreamcatcher Direct Instruction Centers	20
EDUSS Learning	43
READ, READ, READ LLC	6
Results Learning LLC	15
Sylvan Learning Center	146
Tree of Knowledge	6
Tutorial Services	12
Colorado Springs 11	31
Adventures in Learning K-12	8
Club Z! Tutoring	6
School Technology Extensions	9
The HillSprings Learning Center	4
Tree of Knowledge	4
Delta County 50J	12
Educate-Online	12
Denver County 1	3,490
I st Advantage Tutoring	133
A to Z In-Home Tutoring	74
A+ Learning Solutions	9
ABC Phonetic Reading School	2
Academic Coaching	23
Advanced Brain Gym Plus	23
Adventures in Learning K-12	13
Applied Scholastics International	24
ATS Project Success	11
Brainfuse One-to-One Instruction	3
Chancellor Supplemental Educational Services, LLC	15
Club Z! Tutoring	323
Department of Extended Learning	212
Dreamcatcher Direct Instruction Centers	197
Educate-Online	98
GEO Foundation Educational Services	149
Global Partnership Schools, Inc.	26
Imagine Learning	285

³⁵ Includes all vendor contracts with students.

District/ Vendor	Students (N)
Denver County I (continued)	
Innovadia	1
John Corcoran Foundation	410
Learn it Systems	120
Lutheran Family Services of Colorado	21
Northwest Coalition for Better Schools	27
READ, READ, READ LLC	3
Results Learning LLC	239
School Technology Extensions	3
SmartKids Academy	66
Step to Success Community Learning Center	138
Summer Scholars	564
Summit Learning Services	31
Sylvan Learning Center	191
Tree of Knowledge	2
Tutorial Services	12
University of Denver Bridge Project	42
Eagle County RE50	63
The Youth Foundation Power Hours	63
Greeley 6	274
A to Z In-Home Tutoring	7
ATS Project Success	15
Dreamcatcher Direct Instruction Centers	36
Educate-Online	1
EDUSS Learning	39
Inspired Solutions	62
John Corcoran Foundation	36
L.I.F.E. Centered Training	22
Tree of Knowledge	56
Gunnison Watershed REI J	25
Adventures in Learning K-12	25
Jefferson County	689
1 st Advantage Tutoring	22
A to Z In-Home Tutoring	45
A+ Learning Solutions	7
ABC Phonetic Reading School	4
Advanced Brain Gym Plus	6
Adventures in Learning K-12	8
Applied Scholastics International	9
Club Z! Tutoring	46
Educate-Online	22
EDUSS Learning	301
Inspired Solutions	70
John Corcoran Foundation	40
Learn It Systems	3
Results Learning LLC	44
Summit Learning Services	3
Sylvan Learning Center	59

District/ Vendor	Students (N)
Keenesburg RE3J	31
Inspired Solutions	30
School Technology Extensions	1
Mesa County Valley 5I	3
Riverside Educational Center	3
Montrose County REI J	49
A+ Learning Solutions	29
Adventures in Learning K-12	16
Educate-Online	4
Sheridan 2	205
Sheridan School District	205
St. Vrain Valley REI J	169
A to Z In-Home Tutoring	1
Dreamcatcher Direct Instruction Centers	39
Sylvan Learning Center	129
Summit REI	24
A+ Learning Solutions	11
Dreamcatcher Direct Instruction Centers	13
Thompson R2J	96
A to Z In-Home Tutoring	2
Adventures in Learning K-12	5
Dreamcatcher Direct Instruction Centers	57
School Technology Extensions	1
Sylvan Learning Center	31
Weld County SD RE8	40
Sylvan Learning Center	1
Weld RE-8 School District	39
Westminster 50	681
Center for Hearing, Speech & Language	316
Dreamcatcher Direct Instruction Centers	128
Learn It Systems	22
Results Learning LLC	150
School Technology Extensions	65

APPENDIX B:
SUPPLEMENTAL VENDOR EFFECTIVENESS DATA TABLES



Table B-I. Reading Achievement: Grades K-3. English Language Proficiency and IEP Status of SES and Comparison Students with DRA2 Scores by Vendor (2010-2011).

Vendor	ELL Status								IEP			
	NA		NEP		LEP		FEP		Yes		No	
	N	%	N	%	N	%	N	%	N	%	N	%
1 st Advantage Tutoring	16	36.36	10	22.73	18	40.91	0	0.00	6	13.64	38	86.36
A to Z In-Home Tutoring	16	29.63	16	29.63	20	37.04	2	3.70	5	9.26	49	90.74
A+ Learning Solutions	9	29.03	6	19.35	16	51.61	0	0.00	1	3.23	30	96.77
ABC Phonetic Reading School	0	0.00	1	25.00	3	75.00	0	0.00	0	0.00	4	100.00
Academic Coaching	6	85.71	0	0.00	1	14.29	0	0.00	2	28.57	5	71.43
Advanced Brain Gym Plus	4	66.67	1	16.67	1	16.67	0	0.00	0	0.00	6	100.00
Adventures in Learning K-12	1	8.33	4	33.33	7	38.3	0	0.00	2	16.67	10	83.33
Applied Scholastics International	4	36.36	1	9.09	6	54.55	0	0.00	1	9.09	10	90.91
ATS Project Success	1	14.29	0	0.00	6	85.71	0	0.00	1	14.29	6	85.71
Center for Hearing, Speech, and Language	--	--	--	--	--	--	--	--	--	--	--	--
Club Z! Tutoring	38	20.43	45	24.19	99	53.23	4	2.15	19	10.22	167	89.78
Department of Extended Learning	4	5.48	39	53.42	30	41.10	0	0.00	4	5.48	69	94.52
Dreamcatcher Direct Instruction Centers	29	28.16	17	16.50	55	53.40	2	1.94	2	98.06	101	98.06
Educate-Online	4	33.33	3	25.00	5	41.67	0	0.00	0	0.00	12	100.00
EDUSS Learning	21	50.00	3	7.14	17	40.48	1	2.38	4	9.52	38	90.48
GEO Foundation Educational Services	7	20.00	14	40.00	14	40.00	0	0.00	3	8.57	32	91.43
Global Partnership Schools, Inc	4	25.00	2	12.50	10	62.50			1	6.25	15	93.75
Imagine Learning	44	28.39	35	22.58	70	45.16	6	3.87	15	9.68	140	90.32
Inspired Solutions	--	--	--	--	--	--	--	--	--	--	--	--
John Corcoran Foundation	37	51.39	14	19.44	21	29.17	0	0.00	6	8.33	66	91.67
Johnson Elementary School	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
L.I.F.E. Centered Training Corporation, Inc.	0	0.00	1	33.33	2	66.67	0	0.00	1	33.33	2	66.67
Learn It Systems	36	50.00	7	9.72	23	31.94	6	8.33	6	8.33	66	91.67
Lutheran Family Services of Colorado	0	0.00	0	0.00	9	100.00	0	0.00	0	0.00	9	100.00
Northwest Coalition for Better Schools	11	52.38	2	9.52	8	38.10	0	0.00	4	19.05	17	80.95
Reach for Tomorrow, Inc.	0	0.00	5	50.00	5	50.00	0	0.00	0	0.00	10	100.00
READ, READ, READ LLC	3	37.50	1	12.50	4	50.00	0	0.00	0	0.00	8	100.00
Reading and Math Success (RAMS)	46	17.90	75	29.18	135	52.53	1	0.39	17	6.61	240	93.39
Results Learning	61	38.85	17	10.83	77	49.04	2	1.27	17	10.49	145	89.51
School Technology Extensions	1	16.67	0	0.00	5	83.33	0	0.00	0	0.00	6	100.00
Sheridan School District	1	100.00	0	0.00	0	0.00	0	0.00	0	0.00	1	100.00
SmartKids Academy	17	37.78	12	26.67	13	28.89	3	6.67	4	8.89	41	91.11
Step to Success Community Learning Center	47	24.23	28	14.43	116	59.79	3	1.55	17	8.76	177	91.24
Summer Scholars	108	35.76	63	20.86	130	43.05	1	0.33	23	7.62	279	92.38
Summit Learning Services	9	30.00	6	20.00	13	43.33	2	6.67	0	0.00	30	100.00
Sylvan Learning Center	39	26.71	29	19.86	72	49.32	6	4.11	12	8.22	134	91.78
The Hillsprings Learning Center	--	--	--	--	--	--	--	--	--	--	--	--
The Youth Foundation Power Hours	0	0.00	11	35.48	20	64.52	0	0.00	4	12.90	27	87.10
Tree of Knowledge	0	0.00	2	50.00	2	50.00	0	0.00	1	25.00	3	75.00
Tutorial Services	9	50.00	1	5.56	8	44.44	0	0.00	2	11.11	16	88.89
University of Denver Bridge Project	11	61.11	1	5.56	4	22.22	2	11.11	3	16.67	15	83.33
Weld RE-8 School District	9	32.14	17	60.71	2	7.14	0	0.00	1	3.57	27	96.43
Comparison Group	1,778	35.41	1,166	23.22	2,006	39.95	71	1.41	465	9.26	4,556	90.74

Table B-2. Reading Achievement: Grades 4-10. English Language Proficiency and IEP Status of SES and Comparison Students with CSAP Reading Scores by Vendor (2010-2011).

Vendor	ELL Status								IEP			
	NA		NEP		LEP		FEP		Yes		No	
	N	%	N	%	N	%	N	%	N	%	N	%
1 st Advantage Tutoring	16	34.04	6	12.77	19	40.43	6	12.77	13	27.66	34	72.34
A to Z In-Home Tutoring	41	51.25	7	8.75	22	27.50	10	12.50	11	13.75	69	86.25
A+ Learning Solutions	10	33.33	5	16.67	13	43.33	2	6.67	5	16.67	25	83.33
ABC Phonetic Reading School	0	0.00	2	66.67	1	33.33	0	0.00	2	66.67	1	33.33
Academic Coaching	11	39.29	3	10.71	11	39.29	3	10.71	5	17.86	23	82.14
Advanced Brain Gym Plus	8	42.11	1	5.26	9	47.37	1	5.26	4	21.05	15	78.95
Adventures in Learning K-12	13	48.15	2	7.41	10	37.04	2	7.41	7	25.93	20	74.07
Applied Scholastics International	10	55.56	1	5.56	5	27.78	2	11.11	4	22.22	14	77.78
ATS Project Success	1	20.00	1	20.00	1	20.00	2	40.00	1	20.00	4	80.00
Brainfuse One-to-One Instruction	1	50.00	0	0.00	0	0.00	1	50.00	1	50.00	1	50.00
Center for Hearing, Speech, and Language	40	40.40	14	14.14	44	44.44	1	1.01	19	19.19	80	80.81
Club Z! Tutoring	59	28.78	20	9.76	102	49.76	24	11.71	34	16.59	171	83.41
Department of Extended Learning	24	33.33	6	8.33	30	41.67	12	16.67	16	22.22	56	77.78
Dreamcatcher Direct Instruction Centers	46	32.39	15	10.56	69	48.59	12	8.45	18	12.68	124	87.32
Educate-Online	15	55.56	0	0.00	10	37.04	2	7.41	7	25.93	20	74.07
EDUSS Learning	41	51.25	4	5.00	22	27.50	13	16.25	16	20.00	64	80.00
GEO Foundation Educational Services	2	20.00	2	20.00	6	60.00	0	0.00	1	10.00	9	90.00
Global Partnership Schools, Inc	4	66.67	0	0.00	2	33.33	0	0.00	1	16.67	5	83.33
Imagine Learning	28	34.15	8	9.76	37	45.12	9	10.98	7	8.54	75	91.46
Innovadia	0	0.00	0	0.00	1	100.00	0	0.00	0	0.00	1	100.00
Inspired Solutions	17	48.57	3	8.57	11	31.43	4	11.43	7	20.00	28	80.00
John Corcoran Foundation	43	28.48	26	17.22	63	41.72	19	12.58	31	20.53	120	79.47
L.I.F.E. Centered Training Corporation, Inc.	6	85.71	0	0.00	1	14.29	0	0.00	3	42.86	4	57.14
Learn It Systems	25	46.30	3	5.56	21	38.89	5	9.26	11	20.37	43	79.63
Lutheran Family Services of Colorado	0	0.00	2	100.00	0	0.00	0	0.00	0	0.00	2	100.00
Reach for Tomorrow, Inc.	0	0.00	2	66.67	1	33.33	0	0.00	0	0.00	3	100.00
READ, READ, READ LLC	0	0.00	0	0.00	2	100.00	0	0.00	0	0.00	2	100.00
Reading and Math Success (RAMS)	32	20.13	13	8.18	106	66.67	8	5.03	18	11.32	141	88.68
Results Learning	42	44.21	9	9.47	38	40.00	6	6.32	20	21.05	75	78.95
Riverside Educational Center	3	100.00	0	0.00	0	0.00	0	0.00	2	66.67	1	33.33
School Technology Extensions	8	40.00	1	5.00	10	50.00	1	5.00	1	5.00	19	95.00
Sheridan School District	36	51.43	12	17.14	22	31.43	0	0.00	17	24.29	53	75.71
SmartKids Academy	5	23.81	3	14.29	11	52.38	2	9.52	3	14.29	18	85.71
Step to Success Community Learning Center	22	15.49	12	8.45	81	57.04	27	19.01	22	15.49	120	84.51
Summer Scholars	47	38.52	16	13.11	55	45.08	4	3.28	26	21.31	96	78.69
Summit Learning Services	17	42.50	6	15.00	15	37.50	2	5.00	8	20.00	32	80.00
Sylvan Learning Center	95	53.98	11	6.25	53	30.11	17	9.66	36	20.45	140	79.55
The Hillsprings Learning Center	0	0.00	1	50.00	1	50.00	0	0.00	0	0.00	2	100.00
The Youth Foundation Power Hours	3	12.50	4	16.67	17	70.83	0	0.00	5	20.83	19	79.17
Tree of Knowledge	2	25.00	4	50.00	2	25.00	0	0.00	0	0.00	8	100.00
Tutorial Services	7	36.84	0	0.00	7	36.84	5	26.32	3	15.79	16	84.21
University of Denver Bridge Project	13	56.52	1	4.35	7	30.43	2	8.70	3	13.04	20	86.96
Weld RE-8 School District	1	14.29	3	42.86	3	42.86	0	0.00	1	14.29	6	85.71
Comparison Group	2,073	40.28	426	8.28	2,153	41.83	495	9.62	809	15.72	4,338	84.28

Table B-3. Reading Achievement: Grades 4-10. State Approved Contract Hours, Number of SES Students who Completed or Failed to Complete their Contracts, and 2011 Median Growth Percentiles (MGP) for SES Students with CSAP Reading Scores by Vendor (2010-2011).

Vendor	Min Approved Contract Hours	Students Served ^{36,37}		Students Completing All Contracted Hours			Students Completing Less Than All Contracted Hours		
		N	Median Growth Percentile	N	%	Median Growth Percentile	N	%	Median Growth Percentile
I st Advantage Tutoring	25.00	47	38.00	19	40.43	--	28	59.57	31.50
A to Z In-Home Tutoring	17.00	80	45.00	18	22.50	--	62	77.50	45.50
A+ Learning Solutions	14.00	30	45.50	14	46.67	--	16	53.33	--
ABC Phonetic Reading School	15.00	3	--	0	0.00	--	3	100.00	--
Academic Coaching	24.00	28	74.00	2	7.14	--	26	92.86	74.00
Advanced Brain Gym Plus	15.00	19	--	12	63.16	--	7	36.84	--
Adventures in Learning K-12	30.00	27	50.00	0	0.00	--	27	100.00	50.00
Applied Scholastics International	30.00	18	--	13	72.22	--	5	27.78	--
ATS Project Success	20.00	5	--	4	80.00	--	1	20.00	--
Brainfuse One-to-One Instruction	30.00	2	--	0	0.00	--	2	100.00	--
Center for Hearing, Speech, and Language	55.00	99	40.00	0	0.00	--	99	100.00	40.00
Club Z! Tutoring	19.00	205	52.00	103	50.24	52.00	102	49.76	53.00
Department of Extended Learning	64.00	72	53.00	0	0.00	--	72	100.00	53.00
Dreamcatcher Direct Instruction Centers	30.00	142	49.00	11	7.75	--	131	92.25	49.00
Educate-Online	24.00	27	60.00	4	14.81	--	23	85.19	50.00
EDUSS Learning	20.00	80	52.50	64	80.00	53.00	16	20.00	--
GEO Foundation Educational Services	24.00	10	--	7	70.00	--	3	30.00	--
Global Partnership Schools, Inc	30.00	6	--	0	0.00	--	6	100.00	--
Imagine Learning	22.00	82	54.00	47	57.32	52.00	35	42.68	58.00
Innovadia	20.00	1	--	1	100.00	--	0	0.00	--
Inspired Solutions	14.00	35	44.00	21	60.00	45.00	14	40.00	--
John Corcoran Foundation	20.00	151	47.00	71	47.02	51.00	80	52.98	46.00
L.I.F.E. Centered Training Corporation, Inc.	36.00	7	--	4	57.14	--	3	42.86	--
Learn It Systems	24.00	54	62.50	26	48.15	68.00	28	51.85	61.00
Lutheran Family Services of Colorado	84.00	2	--	0	0.00	--	2	100.00	--
Reach for Tomorrow, Inc.	35.00	3	--	0	0.00	--	3	100.00	--
READ, READ, READ LLC	16.00	2	--	0	0.00	--	2	100.00	--
Reading and Math Success (RAMS)	40.00	159	53.00	0	0.00	--	159	100.00	53.00
Results Learning	22.00	95	48.00	44	46.32	49.50	51	53.68	46.00
Riverside Educational Center	36.00	3	--	0	0.00	--	3	100.00	--
School Technology Extensions	32.00	20	47.50	8	40.00	--	12	60.00	--
Sheridan School District	31.50	70	32.00	0	0.00	--	70	100.00	32.00
SmartKids Academy	19.00	21	42.00	11	52.38	--	10	47.62	--
Step to Success Community Learning Center	38.00	142	53.50	0	0.00	--	142	100.00	53.50
Summer Scholars	92.00	122	44.50	0	0.00	--	122	100.00	44.50
Summit Learning Services	20.00	40	46.50	29	72.50	57.00	11	27.50	--
Sylvan Learning Center	36.00	176	50.50	22	12.50	58.50	154	87.50	48.50
The Hillsprings Learning Center	30.00	2	--	0	0.00	--	2	100.00	--
The Youth Foundation Power Hours	76.00	24	53.00	0	0.00	--	24	100.00	53.00
Tree of Knowledge	13.00	8	--	4	50.00	--	4	50.00	--
Tutorial Services	36.00	19	--	2	10.53	--	17	89.47	--
University of Denver Bridge Project	50.00	23	52.00	12	52.17	--	11	47.83	--
Weld RE-8 School District	90.00	7	--	0	0.00	--	7	100.00	--

³⁶ Includes students in grades 4-10.

³⁷ Includes all vendor contracts with students.

Table B-4. Math Achievement: Grades 4-10. English Language Proficiency and IEP Status of SES and Comparison Students with CSAP Math Scores by Vendor (2010-2011).

Vendor	ELL Status								IEP			
	NA		NEP		LEP		FEP		Yes		No	
	N	%	N	%	N	%	N	%	N	%	N	%
1st Advantage Tutoring	14	37.84	2	5.41	11	29.73	10	27.03	4	10.81	33	89.19
A to Z In-Home Tutoring	43	50.59	9	10.59	22	25.88	11	12.94	13	15.29	72	84.71
A+ Learning Solutions	12	27.91	6	13.95	23	53.49	2	4.65	5	11.63	38	88.37
Academic Coaching	11	37.93	3	10.34	12	41.38	3	10.34	6	20.69	23	79.31
Adventures in Learning K-12	9	40.91	1	4.55	10	45.45	2	9.09	5	22.73	17	77.27
Applied Scholastics International	8	53.33	0	0.00	5	33.33	2	13.33	1	6.67	14	93.33
ATS Project Success	5	62.50	2	25.00	0	0.00	1	12.50	1	12.50	7	87.50
Brainfuse One-to-One Instruction	1	50.00	0	0.00	0	0.00	1	50.00	1	50.00	1	50.00
Chancellor Supplemental Educational Services, LLC	2	40.00	0	0.00	1	20.00	2	40.00	1	20.00	4	80.00
Club Z! Tutoring	42	30.00	17	12.14	68	48.57	13	9.29	28	20.00	112	80.00
Department of Extended Learning	24	24.24	14	14.14	47	47.47	14	14.14	19	19.19	80	80.81
Dreamcatcher Direct Instruction Centers	8	34.78	1	4.35	12	52.17	2	8.70	5	21.74	18	78.26
Educate-Online	14	34.15	4	9.76	14	34.15	9	21.95	7	17.07	34	82.93
EDUSS Learning	87	47.28	13	7.07	53	28.80	31	16.85	27	14.67	157	85.33
GEO Foundation Educational Services	1	3.85	4	15.38	20	76.92	1	3.85	2	7.69	24	92.31
Global Partnership Schools, Inc	1	100.00	0	0.00	0	0.00	0	0.00	0	0.00	1	100.00
Inspired Solutions	14	46.67	3	10.00	12	40.00	1	3.33	4	13.33	26	86.67
John Corcoran Foundation	27	23.48	8	6.96	56	48.70	24	20.87	18	15.65	97	84.35
L.I.F.E. Centered Training Corporation, Inc.	6	85.71	0	0.00	1	14.29	0	0.00	3	42.86	4	57.14
Learn It Systems	1	11.11	2	22.22	4	44.44	2	22.22	1	11.11	8	88.89
Lutheran Family Services of Colorado	0	0.00	2	100.00	0	0.00	0	0.00	0	0.00	2	100.00
Reach for Tomorrow, Inc.	0	0.00	2	66.67	1	33.33	0	0.00	0	0.00	3	100.00
Reading and Math Success (RAMS)	33	20.12	14	8.54	109	66.46	8	4.88	20	12.20	144	87.80
Riverside Educational Center	2	100.00	0	0.00	0	0.00	0	0.00	1	50.00	1	50.00
School Technology Extensions	8	38.10	1	4.76	10	47.62	2	9.52	1	4.76	20	95.24
Sheridan School District	30	37.50	8	10.00	25	31.25	17	21.25	10	12.50	70	87.50
SmartKids Academy	0	0.00	0	0.00	1	100.00	0	0.00	0	0.00	1	100.00
Summer Scholars	14	70.00	0	0.00	5	25.00	1	5.00	1	5.00	19	95.00
Summit Learning Services	13	37.14	6	17.14	14	40.00	2	5.71	8	22.86	27	77.14
Sylvan Learning Center	57	61.96	2	2.17	20	21.74	13	14.13	9	9.78	83	90.22
The Hillsprings Learning Center	0	0.00	1	50.00	1	50.00	0	0.00	0	0.00	2	100.00
Tree of Knowledge	2	15.38	1	7.69	8	61.54	2	15.38	1	7.69	12	92.31
Tutorial Services	7	36.84	0	0.00	7	36.84	5	26.32	3	15.79	16	84.21
Weld RE-8 School District	1	14.29	3	42.86	3	42.86	0	0.00	1	14.29	6	85.71
Comparison Group	3,389	38.64	694	7.91	3,421	39.01	1,266	14.44	1,221	13.92	7,549	86.08

Table B-5. Math Achievement: Grades 4-10. State Approved Contract Hours, Number of SES Students who Completed or Failed to Complete their Contracts, and 2011 Median Growth Percentiles for SES Students with CSAP Scores by Vendor (2010-2011).

Vendor	Min Approved Contract Hours	Students Served ^{38, 39}		Students Completing All Contracted Hours			Students Completing Less Than All Contracted Hours		
		N	Median Growth Percentile	N	%	Median Growth Percentile	N	%	Median Growth Percentile
1 st Advantage Tutoring	25.00	37	59.00	3	8.11	--	34	91.89	59.00
A to Z In-Home Tutoring	17.00	85	53.00	20	23.53	62.50	65	76.47	50.00
A+ Learning Solutions	14.00	43	47.00	20	46.51	48.50	23	53.49	45.00
Academic Coaching	24.00	29	63.00	2	6.90	--	27	93.10	63.00
Adventures in Learning K-12	30.00	22	43.50	1	4.55	--	21	95.45	42.00
Applied Scholastics International	30.00	15	--	10	66.67	--	5	33.33	--
ATS Project Success	21.00	8	--	3	37.50	--	5	62.50	--
Brainfuse One-to-One Instruction	30.00	2	--	0	0.00	--	2	100.00	--
Chancellor Supplemental Educational Services, LLC	33.50	5	--	4	80.00	--	1	20.00	--
Club Z! Tutoring	21.50	140	47.00	87	62.14	48.00	53	37.86	46.00
Department of Extended Learning	64.00	99	60.00	0	0.00	--	99	100.00	60.00
Dreamcatcher Direct Instruction Centers	30.00	23	41.00	0	0.00	--	23	100.00	41.00
Educate-Online	24.00	41	55.00	2	4.88	--	39	95.12	55.00
EDUSS Learning	20.00	184	54.50	122	66.30	55.00	62	33.70	53.50
GEO Foundation Educational Services	24.00	26	34.50	23	88.46	35.00	3	11.54	--
Global Partnership Schools, Inc	30.00	1	--	0	0.00	--	1	100.00	--
Inspired Solutions	14.00	30	40.00	12	40.00	--	18	60.00	--
John Corcoran Foundation	20.00	115	63.00	77	66.96	72.00	38	33.04	45.00
L.I.F.E. Centered Training Corporation, Inc.	36.00	7	--	4	57.14	--	3	42.86	--
Learn It Systems	24.00	9	--	6	66.67	--	3	33.33	--
Lutheran Family Services of Colorado	84.00	2	--	0	0.00	--	2	100.00	--
Reach for Tomorrow, Inc.	35.00	3	--	0	0.00	--	3	100.00	--
Reading and Math Success (RAMS)	40.00	164	65.00	0	0.00	--	164	100.00	65.00
Riverside Educational Center	36.00	2	--	0	0.00	--	2	100.00	--
School Technology Extensions	32.00	21	50.00	8	38.10	--	13	61.90	--
Sheridan School District	31.50	80	46.50	11	13.75	--	69	86.25	47.00
SmartKids Academy	19.00	1	--	0	0.00	--	1	100.00	--
Summer Scholars	92.00	20	43.50	0	0.00	--	20	100.00	43.50
Summit Learning Services	20.00	35	54.00	24	68.57	60.00	11	31.43	--
Sylvan Learning Center	36.00	92	53.50	27	29.35	59.00	65	70.65	53.00
The Hillsprings Learning Center	30.00	2	--	0	0.00	--	2	100.00	--
Tree of Knowledge	13.00	13	--	2	15.38	--	11	84.62	--
Tutorial Services	36.00	19	--	2	10.53	--	17	89.47	--
Weld RE-8 School District	90.00	7	--	0	0.00	--	7	100.00	--

³⁸ Includes students in grades 4-10.

³⁹ Includes all vendor contracts with students.

**APPENDIX C:
DATA CLEANING AND ANALYSIS PROCEDURE**



Data Cleaning and Analysis Procedure

REPORT SECTION 1 – DEMOGRAPHICS AND PROGRAM REACH

Vendor Session File Cleaning for Demographic Data

- Sessions coded as ‘Absent’ or ‘Parent Contact Only’ were removed.
- Records with session times of zero were removed (n = 74).
- Duplicate records of sessions of the same duration on the same date with the same student were removed (n = 26).
- Session times were checked, and 239 sessions had times between 4 and 6 hours. These were researched to ensure that data was not entered incorrectly. Corrections were made when necessary.
- **Vendor session file considered “clean”.**

Program Reach Data

- The clean Vendor Session file (see above) was aggregated on student ID.
- There were 7,986 unique students in the file, including those with invalid student ID’s. This file was used to generate the data for Tables 1-4 and 1-5. This file was also merged with historical SES session data files to generate the data for Figure 1-1 and Table 1-3.

Demographic Data

- Students (n = 61) with invalid student ID’s were removed.
 - The clean file with no invalid ID’s was aggregated on student ID. There were 7,925 unique students with valid ID’s who received SES services.
 - This file was merged with the CSAP and CBLA files to obtain the demographic data for the 7,925 unique students with valid student ID’s who received SES services. This file was used to generate the data for Tables 1-1 and 1-2.
 - Of the 7,925 students, 89 could not be matched to a test record in the CSAP or CBLA files.

REPORT SECTION 2 – DESCRIPTION OF VENDOR SERVICE PROVISION

Vendor Session File

- The clean Vendor Session file (see above) was aggregated on student ID and vendor.
- There were 8,014 unique student/vendor contracts with at least one session time greater than zero.
- Twenty-eight students had contracts with two vendors.
- This file was used to generate the data for Tables 2-1, 2-2, 2-3, 2-4, 2-5, and Appendix A, Table A-1. This file was also merged with the pre-/post-test vendor file to generate the data for Table 2-6. Thus, the 28 students with two contracts are represented twice in this section.

REPORT SECTION 3 – SES VENDOR EFFECTIVENESS

Vendor Session File

- The clean Vendor Session file with no invalid ID’s (see above) was aggregated on student ID and vendor. There were 7,953 unique student/vendor contracts that had valid ID’s and at least one session time greater than zero. Twenty-eight students with valid ID’s had contracts with two vendors. The total number of unique contracts with valid ID’s (7,953) is included in the counts of students served in Section 3 and Appendix B.
 - If a student had multiple contracts for the same subject (math or reading), the contract with the greatest sum of service session times was retained for analysis, and the second contract was deleted. Thus, the students with multiple contracts for the same subject only counted once and only towards the vendor from which they received the greatest number of hours of tutoring time. If a student had two contracts, but at least one of the contracts was for one subject (i.e., math) exclusively, and the other contract was

for the other subject (i.e., reading) exclusively or for both subjects (math and reading), then the first contract counted towards one test (i.e., CSAP Math), and the second contract counted for the second test (i.e., CSAP Reading).

- Sessions on or after cutoff dates and sessions with irrelevant tutoring subject matter were removed from each of three copies of the Vendor Session file.
 - For vendor sessions that were merged with the CSAP files, SES sessions on or after March 25, 2011, were removed because this was the middle of the CSAP testing window.
 - For vendor sessions that were merged with the CBLA file, SES sessions on or after April 25, 2011, were removed because this was the middle of the CBLA testing window.
 - For each test, students who did not receive the relevant type of tutoring were removed (i.e., students who only received math tutoring were not included in Reading CSAP or CBLA vendor effectiveness analyses even if they had a Reading CSAP or CBLA score).
- The resulting three versions of the Vendor Session file were ready to be merged with the test score files.
 - The SES Math file contained sessions prior to March 25, 2011 for math tutoring that were aggregated into unique student/vendor contracts that had been determined to count for Math vendor effectiveness.
 - The SES Reading file contained sessions prior to March 25, 2011 for reading tutoring that were aggregated into unique student/vendor contracts that had been determined to count for Reading vendor effectiveness.
 - The SES CBLA file contained sessions prior to April 25, 2011 for reading tutoring that were aggregated into unique student/vendor contracts that had been determined to count for Reading vendor effectiveness.

CBLA Files

- The DRA2 was selected as the test for analysis. All tests other than the DRA2 were removed from the 2010 and 2011 files.
- Invalid tests were removed (i.e., scores that were coded as missing) from the 2010 and 2011 files.
- The remaining students with duplicate records were removed (1,918 from 2010 and 338 from 2011).
- The 2011 and 2010 files were merged. Students who did not have both 2011 and 2010 scores were removed.
- The grade difference between the 2011 grade and 2010 grade was calculated. Students who did not have a difference of 1 (i.e., those who repeated or skipped grades) were removed.
- The file with all of the CBLA data was merged with the SES CBLA file. Students who were in the SES CBLA file but were not in the CBLA file were removed (i.e., those who did not have valid CBLA scores for 2010 and 2011).
- There were 2,230 students in the CBLA SES sample.
- This file was used for all analyses of Reading Achievement for grades K-3 in Section 3 and Appendix B of the report.

Reading CSAP Files

- Invalid tests were removed (i.e., students who withdrew or did not complete the test) from the 2010 and 2011 files.
- Tests taken in Spanish were removed from the 2010 and 2011 files.
- The remaining students with duplicate records were removed (19 from 2011 and 0 from 2010).
- The 2011 and 2010 files were merged. Students who did not have both 2011 and 2010 scores were removed.

- Duplicates were removed from the 2011 CSAP Reading Growth file (38 students). Then the merged file with 2010 and 2011 CSAP Reading scores was merged with the 2011 CSAP Reading Growth file. Students who did not have 2011 and 2010 scores and a 2011 growth score were removed.
- The grade difference between the 2011 grade and 2010 grade was calculated. Students who did not have a difference of 1 (i.e., those who repeated or skipped grades) were removed.
- The file with all of the CSAP Reading data was merged with the SES Reading file. Students who were in the SES Reading file but were not in the CSAP Reading file were removed (i.e., those who did not have valid CSAP Reading scores for 2010 and 2011).
- There were 2,168 students in the Reading CSAP SES sample.
- This file was used for all analyses of Reading Achievement for grades 4-10 in Section 3 and Appendix B of the report.

Math CSAP Files

- Invalid tests were removed (i.e., students who withdrew or did not complete the test) from the 2010 and 2011 files.
- The remaining students with duplicate records were removed (21 from 2011 and 0 from 2010).
- The 2011 and 2010 files were merged. Students who did not have both 2011 and 2010 scores were removed.
- Duplicates were removed from the 2011 CSAP Math Growth file (37 students). Then the merged file with 2010 and 2011 CSAP Math scores was merged with the 2011 CSAP Math Growth file. Students who did not have 2011 and 2010 scores and a 2011 growth score were removed.
- The grade difference between the 2011 grade and 2010 grade was calculated. Students who did not have a difference of 1 (i.e., those who repeated or skipped grades) were removed.
- The file with all of the CSAP Math data was merged with the SES Math file. Students who were in the SES Math file but were not in the CSAP Math file were removed (i.e., those who did not have valid CSAP Math scores for 2010 and 2011).
- There were 1,382 students in the Math CSAP SES sample.
- This file was used for all analyses of Math Achievement for grades 4-10 in Section 3 and Appendix B of the report.

Selecting Comparison Samples

- Each test file (CBLA, CSAP Reading, CSAP Math) containing the merged 2011 and 2010 scores (and Growth scores for CSAP) and SES records was split into SES students and non-SES students.
- For each test, the SES file was examined to determine the schools that the SES students had attended when they received SES services. Students who attended those schools were retained in the corresponding non-SES file for each test (students from all other schools were removed).
- For each test, students in the non-SES files who were not eligible for Free or Reduced Lunch were removed.
- The SES sample for each test was categorized by grade and proficiency level to determine the numbers in each group.
- For each test, the numbers in each grade/proficiency category of SES students were compared to the corresponding non-SES sample. The smallest ratio for each category (SES: non-SES) was applied to every grade/proficiency category for that test to determine the size of the comparison sample.
- The appropriate number of students (determined by the previous step) was randomly selected from each grade/proficiency category of non-SES students to create the comparison sample for each test.