

Technical Brief: North Dakota SES Spring 2019

Introduction

This Technical Brief provides a technical overview of North Dakota's 2019–20 statewide administration of the Cognia™ Student Engagement Survey (SES) to elementary, middle, and high school students, which was conducted from January 14 through February 15, 2019.

The SES collects feedback directly from students about their learning experiences. Survey results provide a useful summary of the insights learned from student responses and provide schools and districts with the opportunity to understand student engagement in greater detail. These insights enable schools, districts, and states to engage in more collaborative conversations with institution stakeholders to better respond to the needs of their students.

Data from completed surveys are reported at the school level and results are categorized by type and level of engagement. The school receives data on the percentages of Committed, Compliant, and Disengaged students for each of the three domains based on completed responses.

At the state level, data is reported annually as an indicator of school quality as part of the state's accountability system under the Every Student Succeeds Act (ESSA). This "Student Engagement" indicator accounts for 30% of elementary or middle schools' overall rating and 20% of high schools' overall rating for the school year.

This report focuses on the three types of engagement, which correspond to reporting and intended interpretations.

Instrument Overview

Cognia's SES measures student engagement in elementary (grades 3-5), middle (grades 6-8), and high school (grades 9-12) through students' responses to 20 items about their learning experiences. A version of the survey was created for each of the three grade spans with age-appropriate item text.

The survey consists of items categorized into three domains of engagement: Behavioral, Cognitive and Emotional. Response options for all items across the three domains are first categorized according to three engagement types: Committed, Compliant, and Disengaged. Additionally, each engagement type consists of two distinct levels: Levels in the Committed type are Invested and Immersed; the Compliant type's are Strategic and Ritual; and the Disengaged type levels are Retreatism and Rebellion. Individual student engagement is categorized within each domain based on the most frequent engagement type. For example, a student who answers three or more questions with Committed values within the Behavioral domain would be categorized as Committed for that domain. The relationship between engagement type and engagement level is presented in Table 1.



Engagement Types		Engagement Levels	
Committed	Student finds personal meaning and value in tasks	Invested	<i>Student leader, exceeds expectations, and invests time in improvement</i>
		Immersed	<i>Performs constantly at high level, and possesses deep conceptual understanding</i>
Compliant	Meets expectations, follows rules, actively avoids consequences	Strategic	<i>Allocates necessary energy and resources and is reward driven</i>
		Ritual	<i>Minimal attention, easily distracted</i>
Disengaged	Unmotivated, low participation, actively avoids completing tasks	Retreatism	<i>Not attentive to work, distracts others, conceals lack of involvement</i>
		Rebellion	<i>Refusal to comply with requirements, actively rejects tasks</i>

Table 1. Student Engagement Domain Type and Level Descriptions

Participation

Results described in this report are based on responses from 74,280 students in grades 3–12 from 457 schools in 167 public school districts. The number of responses reflects completed SES responses and not necessarily the population of students, schools, or districts in the state. Participating districts and schools are listed in Appendix C.

Student response distribution:

- Responses were approximately evenly distributed across each grade within grade spans.
- Nearly equal numbers of females (51%) and males (49%) responded to the survey.
- Student respondents were predominantly White (81%-83%) followed by Native American (7.9%-8.8%), Black (4.4%-5.3%), multiple races (2.2%-4.0%), Asian (1.4%-1.8%), and Pacific Islander (0.3%).
- One-quarter of high school students (25%) and one-third of elementary (33%) and middle (32%) school students were indicated as low income.

Table 2 displays the number of students, by grade, who submitted complete responses. Table 3 further describes students based on their demographic data.

SES Survey Version	Grade	Number	Percentage	Number	Percentage
Elementary School	03	8,136	33%	24,768	33%
	04	8,341	34%		
	05	8,291	33%		
Middle School	06	8,092	34%	23,596	32%
	07	7,907	34%		
	08	7,597	32%		
High School	09	7,243	28%	25,916	35%
	10	6,776	26%		
	11	6,151	24%		
	12	5,746	22%		

Table 2. Number of Completed Surveys by version and Grade

		Elementary		Middle		High	
		Number	Percentage	Number	Percentage	Number	Percentage
Total		24,768	100%	23,596	100%	25,916	100%
Gender	Female	12,645	51%	12,114	51%	13,106	51%
	Male	12,123	49%	11,482	49%	12,810	49%
Race	Native American	2,031	8.2%	2,073	8.8%	2,047	7.9%
	Asian	355	1.4%	335	1.4%	469	1.8%
	Black	1,305	5.3%	1,181	5.0%	1,146	4.4%
	Pacific Islander	73	0.3%	59	0.3%	74	0.3%
	White	20,003	81%	19,180	81%	21,601	83%
	Multiple	991	4.0%	766	3.3%	572	2.2%
	Unknown	10	0.0%	2	0.0%	7	0.0%
Low Income	Not Indicated	16,784	68%	16,345	69%	19,346	75%
	Indicated	7,984	32%	7,251	31%	6,570	25%
Disability	No Disability	21,627	87%	20,760	88%	23,140	89%
	Disability	3,141	13%	2,836	12%	2,776	11%

Table 3. Number of Completed Surveys by Version and Demographic Category

Item Analysis

Across all three versions of the SES—elementary, middle, and high school—the survey consists of items categorized and organized into the three domains of engagement: Behavioral (questions 16), Cognitive (questions 7–13), and Emotional (questions 14–20). Each item response is scored on a six-point scale (0–5). Point values correspond to the six engagement levels described previously.

Tables A1 to A3 in Appendix A provide item statistics according to grade-span including means (average response to an item), standard deviations (dispersion of scores; how “spread out” are scores for that item), and item correlations (relationship between item score and total domain scores). Item text for each version of the survey can be found in Appendix B. Note that “Q” followed by a number indicates question number.

Notable Findings

Elementary school version:

- Item averages were the highest for Q16 (4.05) and Q4 (3.85) while Q11 (1.78) and Q17 (2.15) had the lowest means, indicating the lower-scoring options were more frequently selected.
- The majority of survey items (16 out of 20) were moderately to strongly correlated ($r > 0.4$ to 0.6) with the domain total score (e.g., the Behavioral domain total score is the sum of Q1 through Q6).

Middle school version:

- Item averages were highest for items Q9 (3.59) and Q11 (3.55); the lowest averages were observed for items Q15 (1.63) and Q17 (1.69).
- Again, the majority of survey items (19 out of 20) were moderately to strongly correlated to the total domain score.

High school version:

- Students generally rated Q4 (3.38) and Q11 (3.27) the highest and Q15 (1.18) and Q17 (1.78) the lowest.
- All 20 items were moderately or strongly correlated to the total domain score.

Across grade-span versions of the SES:

- The average for Q17 was the lowest for middle and high school students, and the second-lowest rated item for elementary students (“What do you like most about your school?”).
- The item averages decline as grade span increases (elementary = 3.05; middle = 2.76, high = 2.75).
- The Emotional domain had the lowest overall item averages across all three grade spans. The Behavioral domain demonstrated the highest item averages in elementary and high school while Cognitive domain item averages were the highest-rated in middle school.

Item Response Distribution

This section describes the distribution of SES item response scores across the three grade span versions, elementary, middle, and high school.

Elementary school version:

- The largest proportion of Committed responses were observed for Q16 (84.52%) and Q9 (74.73%).
- The two items with the largest proportion of Disengaged were Q17 (50.22%) and Q14 (46.99%).

Middle school version:

- The largest proportion of Committed responses were observed for Q2 (77.64%) and Q9 (75.76%).
- The largest proportion of Disengaged responses were Q17 (65.79%) and Q15 (46.22%).

High school version:

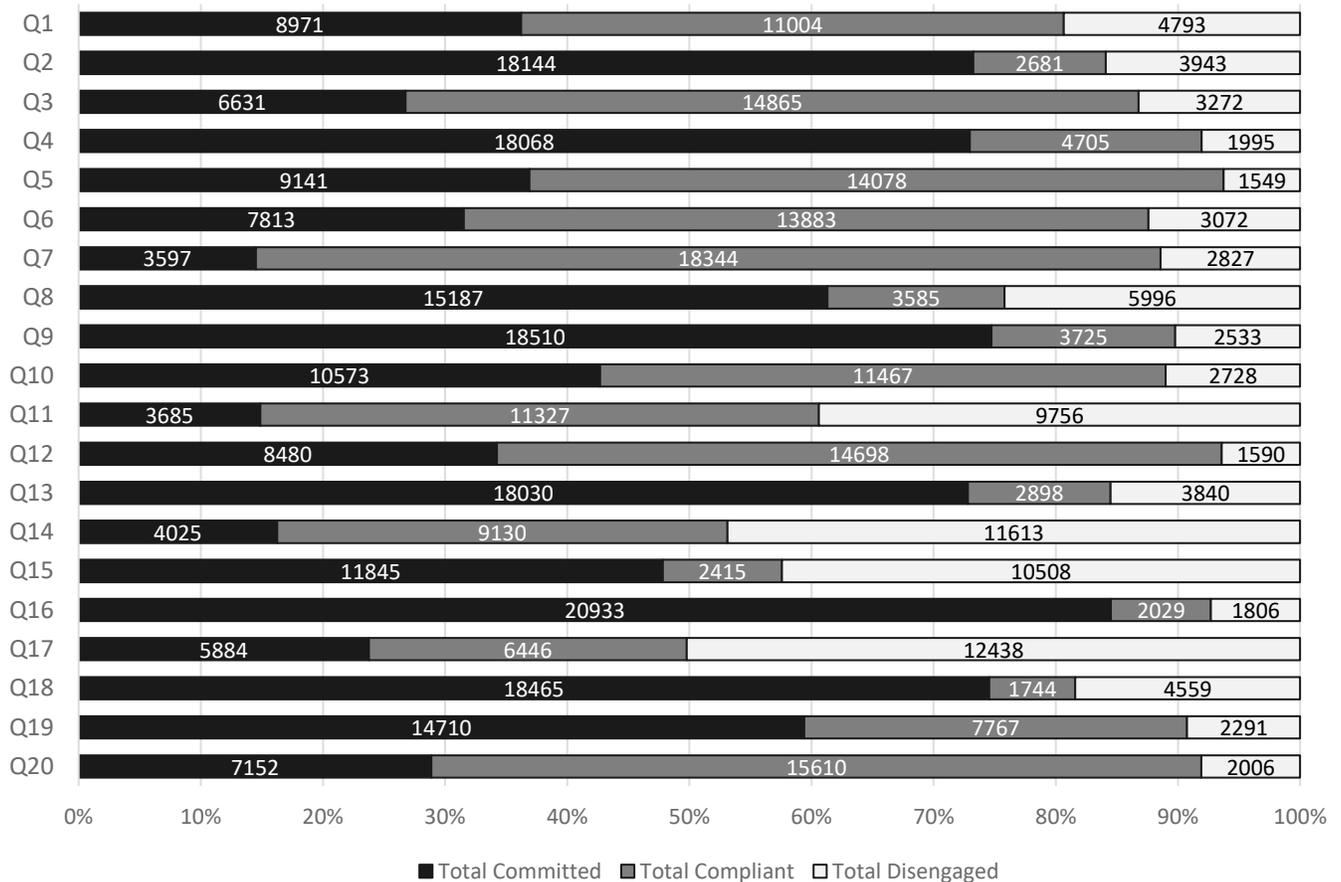
- The top two Committed items were Q4 (64.91%) and Q8 (60.50%).
- Similar to middle school students’ versions, Q17 (56.58%) and Q15 (55.54%) received the largest proportion of Disengaged responses.

Overall:

- Students selected the full range of available responses across the versions, with respondents selecting the option associated with the middle engagement type (Compliant) or above for most items.
- Q16 was among the top five highest-scoring items (scored as Committed) for elementary (84.52%), middle (56.23%), and high school (53.58%) versions of the survey. This item captures students' feelings towards their teachers.
- Q2 was the second-highest scoring item for elementary (74.73%) and middle (75.76%) school students. This item captures strategies students employ when encountering difficult classwork.
- Q17 has the highest frequency of Disengaged scores across grade spans (50.22%, 65.79%, and 56.58%, respectively). This item reflects students' general attitude towards school.

Figures 1–3 display the number of student responses within each engagement type (Committed, Compliant, Disengaged). For more information on item response percentages by engagement type, see Tables A4 to A6 in Appendix A.

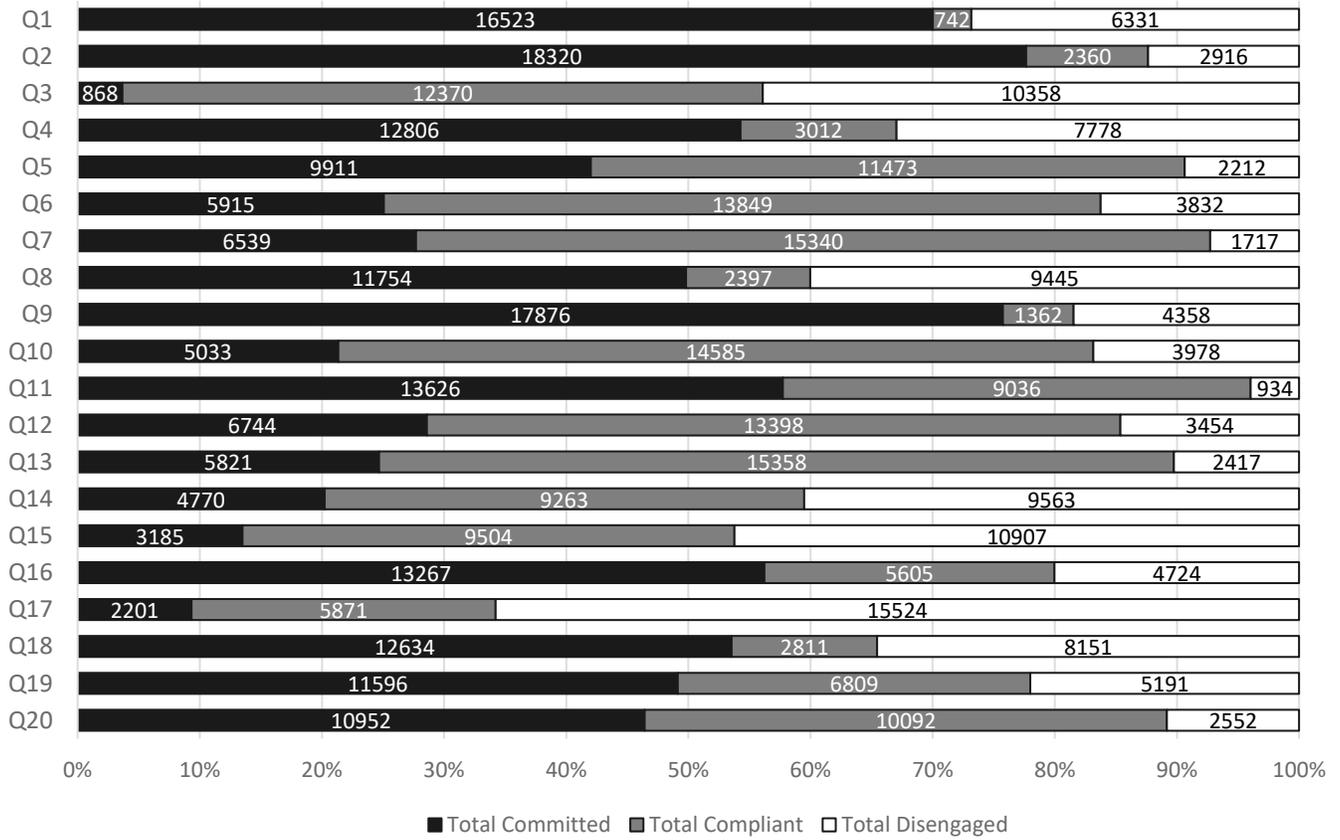
Elementary School Student Engagement Survey



Note: Full item text available in Appendix B

Figure 1. Elementary School Response Frequencies, by Engagement Type

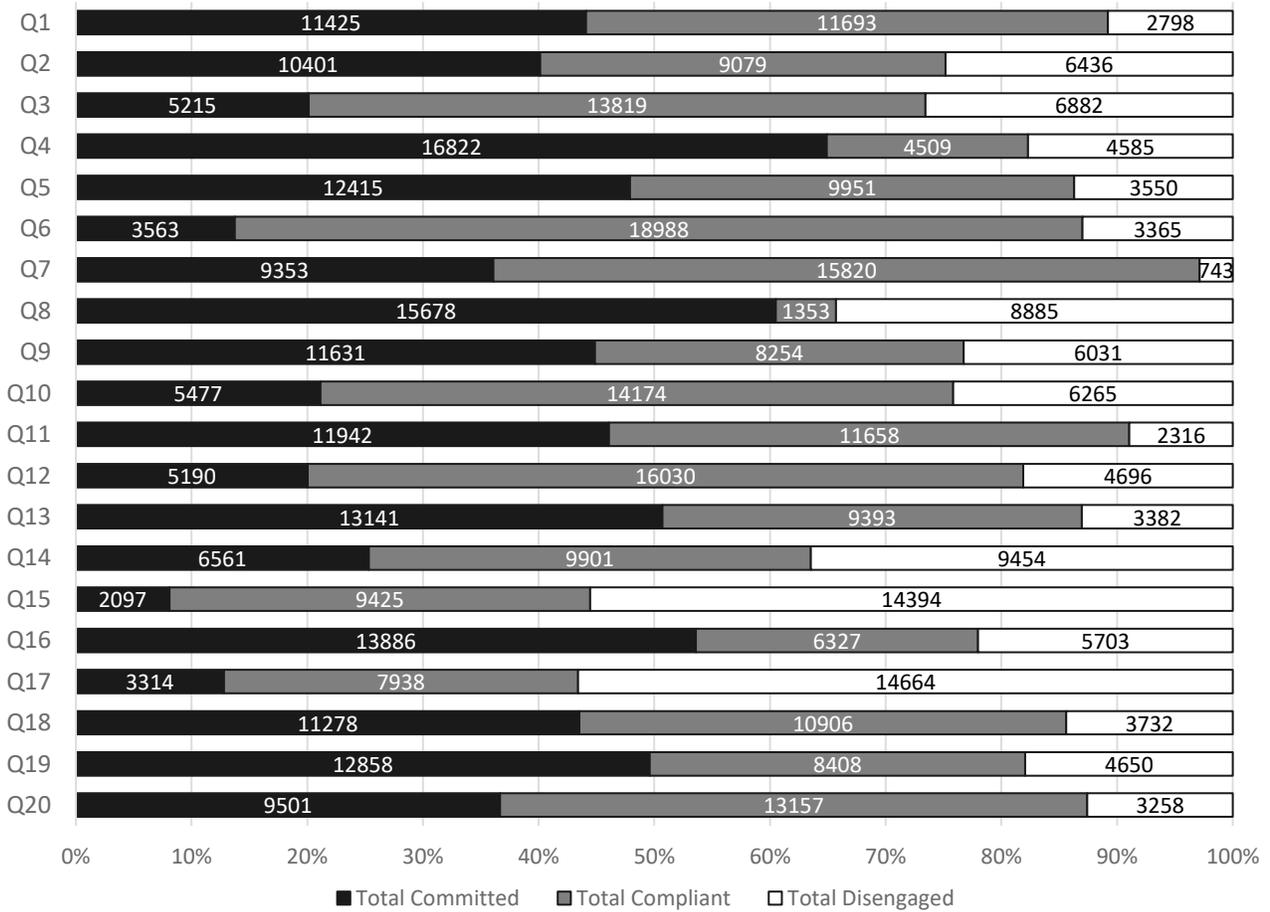
Middle School Student Engagement Survey



Note: Full item text available in Appendix B

Figure 2. Middle School Response Frequencies, by Engagement Type

High School Student Engagement Survey



Note: Full item text available in Appendix B

Figure 3. High School Response Frequencies, by Engagement Type

Domain Classification

Individual students' engagement is classified according to the modal item response within each domain. Specifically, the most frequently occurring engagement type (Disengaged, Compliant, or Committed) within each of the Behavioral, Cognitive, and Emotional domains is used to assign a domain engagement type for each student.

Data from students' completed surveys are reported by grade spans and domain as percentages by engagement type: Committed, Compliant, and Disengaged. The reported percentages are calculated as the number of respondents in each domain's type of engagement divided by the total number of respondents who completed the survey.

Notable findings include:

- Elementary students had high percentages of Committed responses for Behavioral (61.2%), Cognitive (60.3%), and Emotional (68.6%) domains. Less than 10% of students reported Disengaged responses for Cognitive (8.5%) and Emotional (6.9%) domains.
- Middle school students' highest percentage of Committed responses were in the Behavioral domain (63.7%) while student responses were nearly split in the Cognitive domain between Committed (43.6%) and Compliant (45.8%).
- High school student responses were nearly evenly split between Committed and Compliant for the Behavioral (45.6%, 44.8%) and Cognitive (44.2%, 43.7%) domains, respectively.

Figure 4 depicts how student engagement responses are broken out by grade-span and domains.

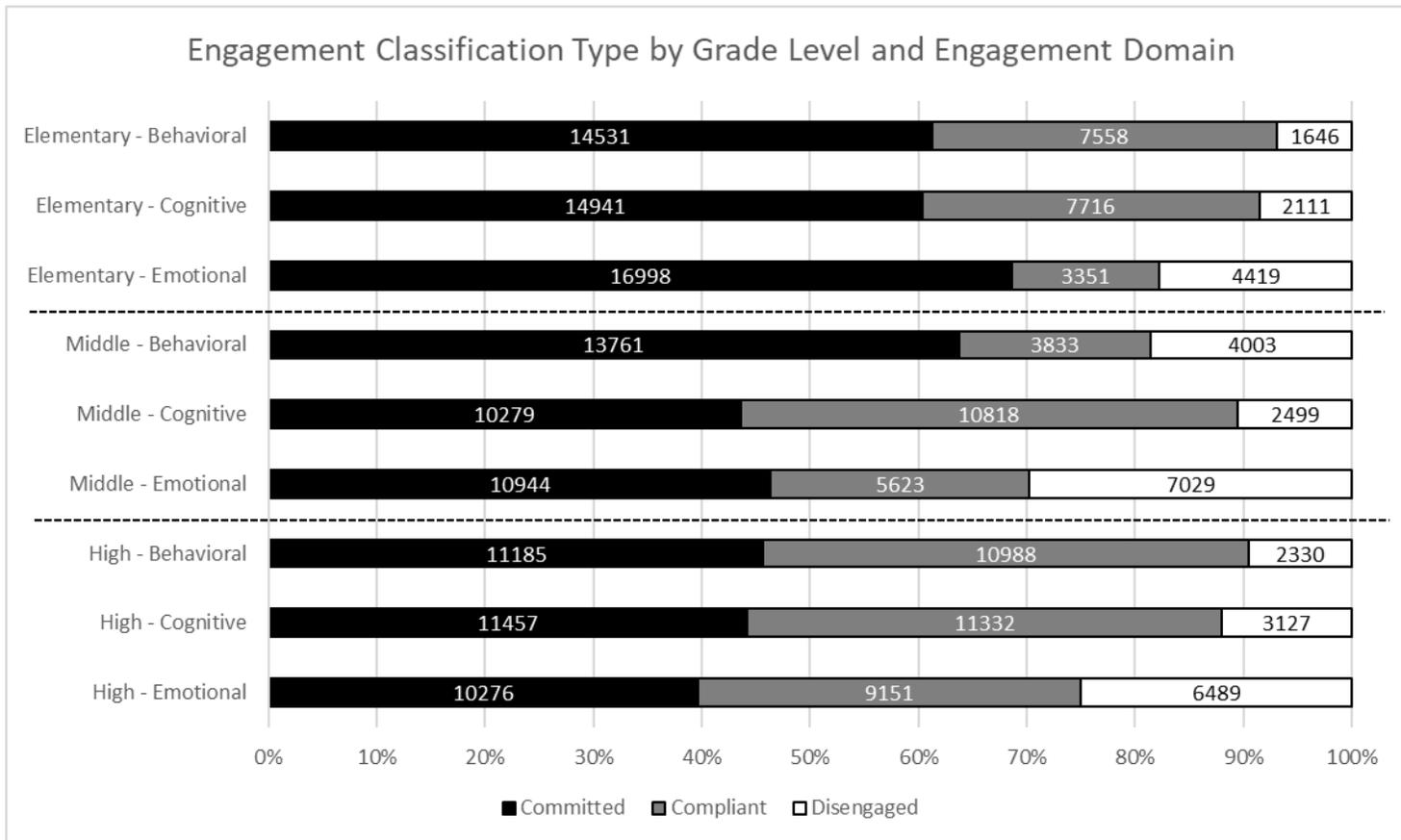


Figure 4. Engagement Classification Type by Grade Span and Engagement Domains

Reliability and Validity Evidence

Internal Consistency Reliability

Survey responses were used to investigate evidence for the internal consistency reliability across the three grade-span versions of the survey. Reliability was calculated according to Cronbach’s Alpha (α) and McDonald’s omega (ω)¹. All three versions demonstrate Alpha values of 0.83 and higher, and omega values of 0.88 and higher, approximating 0.85 (see Table 4). These values provide evidence that the SES demonstrates sufficient reliability to make decisions about groups of students².

Grade Span	Domain	Behavioral	Cognitive	Emotional
Elementary School ($\omega = 0.88, \alpha = 0.829$)	Behavioral	0.710		
	Cognitive	0.364	0.770	
	Emotional	0.373	0.550	0.830
Middle School ($\omega = 0.92, \alpha = 0.850$)	Behavioral	0.760		
	Cognitive	0.592	0.840	
	Emotional	0.541	0.666	0.840
High School ($\omega = 0.92, \alpha = 0.851$)	Behavioral	0.770		
	Cognitive	0.596	0.840	
	Emotional	0.546	0.661	0.840

Table 4. Convergent and Discriminant Validity of Domains, by Grade Span

Validity Evidence

Validity evidence for the measurement of Behavioral, Cognitive, and Emotional domains of engagement on the SES is also presented in Table 4, as correlations between domains, within each of the grade-span versions. Specifically, correlations of responses across domains are presented in the off-diagonal cells and represent discriminant validity evidence (indicating the degree to which domains are separate and distinct from one another) while convergent validity evidence is presented in the cells along the diagonal as reliability (i.e., omega; indicating the consistency of measurement within the domain).

Generally, within-domain reliabilities range from 0.71 to 0.84 and the across-domain correlations range from 0.36 to 0.67. These results indicate that the SES consistently measures student engagement within each of the three domains, which are related to each other, but demonstrates sufficient independence as to be considered separate traits or constructs.

¹ Though Cronbach’s Alpha is widely used and understood as a measure of reliability, McDonald’s omega is a distinct reliability coefficient with the advantage of considering the strength of association between items, leading to a stronger measurement of the scale’s internal consistency.

² Salvia, J., & Ysseldyke, J. E. (2004). *Assessment in special and inclusive education* (9th ed.). Boston: Houghton Mifflin.

Confirmatory Factor Analysis

Additional validity evidence for Cognia’s SES is demonstrated using statistical techniques to evaluate the underlying theoretical structure, or latent factor model. The relationship among items, domains (Behavioral, Cognitive, and Emotional), and overall engagement for each grade-span version can be represented according to two latent factor models. The *Unidimensional Model* conceives student performance on items as simply correlated to general engagement; the *First-Order Model* suggests that student performance on each item is correlated with a specific domain and those domains are correlated with each other.

Confirmatory Factor Analysis (CFA) is the statistical technique used to evaluate which of the unidimensional or first-order models fits the data best and to confirm that the target model fits the data well. Model comparison is conducted according to a Likelihood-Ratio Test, with significant differences indicating that the more complex (i.e., first-order) model fits best; model evaluation is conducted by comparing standard model fit statistics (*RMSEA* and χ^2/df) against critical values in an empirical sampling distribution that was generated according to a bootstrap resampling procedure (replications = 100; $\alpha = 0.05$).

Model evaluation found that *RMSEA* and χ^2/df values did not exceed the empirically determined significance values; therefore, the models all fit the data sufficiently well to enable further comparison and interpretation³. Model comparison according to the results of Likelihood-Ratio Tests between the unidimensional models and first-order models found in all instances that first-order models fit significantly better than the unidimensional models. Together, these results provide evidence supporting measurement and reporting of Cognia’s Student Engagement Survey results according to the Behavioral, Cognitive, and Emotional domains.

Model evaluation and comparison results are summarized by version in Table 5.

Grade-Span	Model	N	df	RMSEA	χ^2/df	Notes
Elementary School	Uni	24,768	170	0.023	14.236	
	First	24,768	167	0.023	14.068	*
Middle School	Uni	23,596	170	0.024	14.825	
	First	23,596	167	0.024	14.233	*
High School	Uni	25,916	170	0.027	19.274	
	First	25,916	167	0.026	18.908	*

* Preferred model based on LRT results

Table 5. Confirmatory Factor Analysis Model Summary, by Grade Span

For Additional Information

Please contact Cognia’s Research & Analytics group at research_analytics@cognia.com with additional questions about this study. You may also directly contact the authors:

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³ Kline, R. B. (2013). *Beyond significance testing: Statistics reform in the behavioral sciences, 2nd Edition*. Washington, DC: American Psychological Association.

Appendix A

Item Descriptive Statistics

Elementary School (n= 24,768)							
	Mean	SD	Min	Max	Corr w/ Behavioral Total	Corr w/ Cognitive Total	Corr w/ Emotional Total
Q1	3.15	1.34	0	5	0.514		
Q2	3.33	1.34	0	5	0.487		
Q3	2.79	1.45	0	5	0.395		
Q4	3.85	1.50	0	5	0.494		
Q5	3.01	1.12	1	5	0.367		
Q6	2.99	1.55	0	5	0.536		
Q7	2.72	1.19	0	5		0.425	
Q8	3.15	1.85	0	5		0.647	
Q9	3.73	1.26	0	5		0.580	
Q10	3.37	1.38	1	5		0.539	
Q11	2.36	1.34	1	5		0.274	
Q12	2.98	0.99	0	4		0.517	
Q13	3.25	1.43	0	4		0.542	
Q14	1.75	1.57	0	4			0.492
Q15	2.54	1.88	0	5			0.650
Q16	4.05	1.28	0	5			0.536
Q17	2.15	1.36	0	4			0.338
Q18	3.74	1.84	0	5			0.715
Q19	3.43	1.39	0	5			0.561
Q20	2.75	1.07	1	5			0.406

Table A1. Elementary School Item Descriptive Statistics

Middle School (n = 23,596)							
	Mean	SD	Min	Max	Corr w/ Behavioral Total	Corr w/ Cognitive Total	Corr w/ Emotional Total
Q1	3.21	1.39	0	5	0.610		
Q2	3.45	1.27	0	5	0.474		
Q3	1.78	0.97	0	5	0.400		
Q4	2.95	2.23	0	5	0.611		
Q5	3.12	1.10	1	5	0.487		
Q6	2.93	1.41	0	5	0.572		
Q7	2.90	1.14	0	5		0.596	
Q8	2.69	2.02	0	5		0.764	
Q9	3.59	1.47	0	5		0.706	
Q10	2.65	1.06	1	5		0.554	
Q11	3.55	1.05	1	5		0.464	
Q12	2.75	1.10	0	4		0.636	
Q13	2.46	1.05	0	4		0.618	
Q14	2.06	1.36	0	4			0.575
Q15	1.63	1.35	0	5			0.546
Q16	3.08	1.85	0	5			0.649
Q17	1.69	1.18	0	4			0.278
Q18	2.74	1.84	0	5			0.723
Q19	2.84	1.69	0	5			0.637
Q20	3.07	1.32	1	5			0.431

Table A2. Middle School Item Descriptive Statistics

High School (n = 25,916)							
	Mean	SD	Min	Max	Corr w/ Behavioral Total	Corr w/ Cognitive Total	Corr w/ Emotional Total
Q1	3.25	1.06	0	5	0.568		
Q2	2.59	1.51	0	5	0.582		
Q3	2.60	1.48	0	5	0.564		
Q4	3.38	1.77	0	5	0.600		
Q5	3.07	1.24	1	5	0.470		
Q6	2.83	1.20	0	5	0.479		
Q7	3.28	1.16	0	5		0.566	
Q8	3.02	1.70	0	5		0.728	
Q9	3.07	1.57	0	5		0.719	
Q10	2.48	1.12	1	5		0.568	
Q11	3.27	1.25	1	5		0.580	
Q12	2.53	1.11	0	4		0.594	
Q13	2.94	1.26	0	4		0.602	
Q14	2.06	1.48	0	4			0.518
Q15	1.18	1.34	0	5			0.456
Q16	2.97	1.80	0	5			0.628
Q17	1.78	1.33	0	4			0.529
Q18	2.92	1.60	0	5			0.669
Q19	2.94	1.64	0	5			0.564
Q20	2.92	1.40	1	5			0.501

Table A3. High School Item Descriptive Statistics

Survey Response Frequencies by Engagement Type

Elementary School Response Count and Frequency (n = 24,768)			
	Committed	Compliant	Disengaged
Q1	8971 (36.22%)	11004 (44.43%)	4793 (19.35%)
Q2	18144 (73.26%)	2681 (10.82%)	3943 (15.92%)
Q3	6631 (26.77%)	14865 (60.02%)	3272 (13.21%)
Q4	18068 (72.95%)	4705 (19%)	1995 (8.05%)
Q5	9141 (36.91%)	14078 (56.84%)	1549 (6.25%)
Q6	7813 (31.54%)	13883 (56.05%)	3072 (12.4%)
Q7	3597 (14.52%)	18344 (74.06%)	2827 (11.41%)
Q8	15187 (61.32%)	3585 (14.47%)	5996 (24.21%)
Q9	18510 (74.73%)	3725 (15.04%)	2533 (10.23%)
Q10	10573 (42.69%)	11467 (46.3%)	2728 (11.01%)
Q11	3685 (14.88%)	11327 (45.73%)	9756 (39.39%)
Q12	8480 (34.24%)	14698 (59.34%)	1590 (6.42%)
Q13	18030 (72.8%)	2898 (11.7%)	3840 (15.5%)
Q14	4025 (16.25%)	9130 (36.86%)	11613 (46.89%)
Q15	11845 (47.82%)	2415 (9.75%)	10508 (42.43%)
Q16	20933 (84.52%)	2029 (8.19%)	1806 (7.29%)
Q17	5884 (23.76%)	6446 (26.03%)	12438 (50.22%)
Q18	18465 (74.55%)	1744 (7.04%)	4559 (18.41%)
Q19	14710 (59.39%)	7767 (31.36%)	2291 (9.25%)
Q20	7152 (28.88%)	15610 (63.02%)	2006 (8.1%)

Table A4. Elementary School Survey Response Frequencies by Engagement Type

Middle School Response Count and Frequency (n = 23,596)			
	Committed	Compliant	Disengaged
Q1	16523 (70.02%)	742 (3.14%)	6331 (26.83%)
Q2	18320 (77.64%)	2360 (10%)	2916 (12.36%)
Q3	868 (3.68%)	12370 (52.42%)	10358 (43.9%)
Q4	12806 (54.27%)	3012 (12.76%)	7778 (32.96%)
Q5	9911 (42%)	11473 (48.62%)	2212 (9.37%)
Q6	5915 (25.07%)	13849 (58.69%)	3832 (16.24%)
Q7	6539 (27.71%)	15340 (65.01%)	1717 (7.28%)
Q8	11754 (49.81%)	2397 (10.16%)	9445 (40.03%)
Q9	17876 (75.76%)	1362 (5.77%)	4358 (18.47%)
Q10	5033 (21.33%)	14585 (61.81%)	3978 (16.86%)
Q11	13626 (57.75%)	9036 (38.29%)	934 (3.96%)
Q12	6744 (28.58%)	13398 (56.78%)	3454 (14.64%)
Q13	5821 (24.67%)	15358 (65.09%)	2417 (10.24%)
Q14	4770 (20.22%)	9263 (39.26%)	9563 (40.53%)
Q15	3185 (13.5%)	9504 (40.28%)	10907 (46.22%)
Q16	13267 (56.23%)	5605 (23.75%)	4724 (20.02%)
Q17	2201 (9.33%)	5871 (24.88%)	15524 (65.79%)
Q18	12634 (53.54%)	2811 (11.91%)	8151 (34.54%)
Q19	11596 (49.14%)	6809 (28.86%)	5191 (22%)
Q20	10952 (46.41%)	10092 (42.77%)	2552 (10.82%)

Table A5. Middle School Survey Response Frequencies by Engagement Type

High School Response Count and Frequency (n = 25,916)			
	Committed	Compliant	Disengaged
Q1	11425 (44.08%)	11693 (45.12%)	2798 (10.8%)
Q2	10401 (40.13%)	9079 (35.03%)	6436 (24.83%)
Q3	5215 (20.12%)	13819 (53.32%)	6882 (26.56%)
Q4	16822 (64.91%)	4509 (17.4%)	4585 (17.69%)
Q5	12415 (47.9%)	9951 (38.4%)	3550 (13.7%)
Q6	3563 (13.75%)	18988 (73.27%)	3365 (12.98%)
Q7	9353 (36.09%)	15820 (61.04%)	743 (2.87%)
Q8	15678 (60.5%)	1353 (5.22%)	8885 (34.28%)
Q9	11631 (44.88%)	8254 (31.85%)	6031 (23.27%)
Q10	5477 (21.13%)	14174 (54.69%)	6265 (24.17%)
Q11	11942 (46.08%)	11658 (44.98%)	2316 (8.94%)
Q12	5190 (20.03%)	16030 (61.85%)	4696 (18.12%)
Q13	13141 (50.71%)	9393 (36.24%)	3382 (13.05%)
Q14	6561 (25.32%)	9901 (38.2%)	9454 (36.48%)
Q15	2097 (8.09%)	9425 (36.37%)	14394 (55.54%)
Q16	13886 (53.58%)	6327 (24.41%)	5703 (22.01%)
Q17	3314 (12.79%)	7938 (30.63%)	14664 (56.58%)
Q18	11278 (43.52%)	10906 (42.08%)	3732 (14.4%)
Q19	12858 (49.61%)	8408 (32.44%)	4650 (17.94%)
Q20	9501 (36.66%)	13157 (50.77%)	3258 (12.57%)

Table A6. High School Survey Response Frequencies by Engagement Type

Appendix B: SES Questions

Domain	Position	Elementary School Item Text
Behavioral	01	When I'm in class...
	02	If the classwork is hard to do, I...
	03	Doing the same kind of work every day in class...
	04	Going to an activity after school or at night...
	05	When I use a computer, I...
	06	School rules...
Cognitive	07	As a student...
	08	Choose one you agree with the most.
	09	When do you use what you learn in class?
	10	Before I have a test, I...
	11	When I don't know something, I...
	12	The things I learn in school...
Emotional	13	The activities I do in class...
	14	How do you feel when you say something in front of the class?
	15	At the end of the school day, I feel...
	16	How do you feel about most of your teachers?
	17	What do you like most about your school?
	18	I feel my school work is...
	19	Learning goals...
	20	What makes you feel good as a student?

Table B1. Cognia's Elementary School Student Engagement Survey Item Text

Domain	Position	Middle School Item Text
Behavioral	01	When I'm in class...
	02	If the classwork is hard to do, I...
	03	Doing the same type of activity every day...
	04	Participating in before or after school clubs is...
	05	When I use technology to learn, I...
	06	The rules at my school...
Cognitive	07	Which response best describes how you see yourself as a student?
	08	Which statement do you agree with the most?
	09	How do you use the information you learn in class?
	10	How do you study for a test?
	11	When I don't understand something...
	12	My classes are teaching me skills that...
	13	The activities I do in class...
Emotional	14	How do you feel when you say something in front of the class?
	15	Which response best describes how you feel at the end of the school day?
	16	Which of the following statements best describes your relationship with your teachers?
	17	What do you enjoy most about your school?
	18	When I think about my school work...
	19	Having personal learning goals...
	20	Success to me is...

Table B2. Cogna's Middle School Student Engagement Survey Item Text

Domain	Position	High School Item Text
Behavioral	01	When I'm in class...
	02	Challenging learning activities make me...
	03	When teachers change their method of instruction...
	04	Participating in extracurricular activities is...
	05	The use of technology...
	06	School rules...
Cognitive	07	Which response best describes how you see yourself as a student?
	08	Which statement do you agree with the most?
	09	In what ways do you use the information you learn in class?
	10	The way I prepare for a test is by...
	11	When I struggle with a lesson...
	12	The skills I am learning in class...
	13	Classroom activities...
Emotional	14	How do you feel when you are voicing your opinion in class?
	15	Which response best describes how you feel at the end of the school day?
	16	Which of the following statements best describes your relationship with most of your teachers?
	17	What do you enjoy most about your school?
	18	When thinking about my school work...
	19	Developing personal learning goals...
	20	School success to me is...

Table B3. Cognia's High School Student Engagement Survey Item Text

Appendix C: Participating Districts and Schools

District Code	District Name	School Code	School Name
1013	Hettinger 13	101335991	Hettinger Public School
1013	Hettinger 13	101335993	Hettinger Public School
2002	Valley City 2	200246011	Jefferson Elem School
2002	Valley City 2	200289542	Valley City Jr-Sr High School
2002	Valley City 2	200289543	Valley City Jr-Sr High School
2002	Valley City 2	200292411	Washington Elem School
2007	Barnes County North 7	200794631	Barnes County North Public School
2007	Barnes County North 7	200794633	Barnes County North Public School
2046	Litchville-Marion 46	204652981	Litchville-Marion Elem School
2046	Litchville-Marion 46	204654833	Litchville-Marion High School
3005	Minnewaukan 5	300557411	Minnewaukan Public School
3005	Minnewaukan 5	300557413	Minnewaukan Public School
3006	Leeds 6	300651841	Leeds Public School
3006	Leeds 6	300651843	Leeds Public School
3009	Maddock 9	300909021	Maddock Public School
3009	Maddock 9	300909023	Maddock Public School
3016	Oberon 16	301662261	Oberon Elem School
3029	Warwick 29	302992191	Warwick Public School
3029	Warwick 29	302992192	Warwick Public School
3029	Warwick 29	302992193	Warwick Public School
3030	Ft Totten 30	303029103	Four Winds Comm High School
4001	Billings Co 1	400117801	DeMores Elem School
4001	Billings Co 1	400171721	Prairie Elem School
5001	Bottineau 1	500110333	Bottineau Jr-Sr High School
5001	Bottineau 1	500110351	Bottineau Elem School
5017	Westhope 17	501793251	Westhope Public School
5017	Westhope 17	501793253	Westhope Public School
5054	Newburg-United 54	505460431	Newburg-United Public School
5054	Newburg-United 54	505460433	Newburg-United Public School
6001	Bowman Co 1	600110431	Bowman Co Public School
6001	Bowman Co 1	600110433	Bowman Co Public School
6001	Bowman Co 1	600174211	Rhame Elem School
6033	Scranton 33	603377851	Scranton Public School
6033	Scranton 33	603377853	Scranton Public School

District Code	District Name	School Code	School Name
7014	Bowbells 14	701410371	Bowbells Public School
7014	Bowbells 14	701410373	Bowbells Public School
7027	Powers Lake 27	702771581	Powers Lake Public School
7027	Powers Lake 27	702771583	Powers Lake Public School
7036	Burke Central 36	703652621	Burke Central Public School
7036	Burke Central 36	703652623	Burke Central Public School
8001	Bismarck 1	800109703	Bismarck High School
8001	Bismarck 1	800113481	Centennial Elem School
8001	Bismarck 1	800113653	Century High School
8001	Bismarck 1	800118971	Dorothy Moses Elem School
8001	Bismarck 1	800132821	Grimsrud Elem School
8001	Bismarck 1	800136121	Highland Acres Elem School
8001	Bismarck 1	800137952	Horizon Middle School
8001	Bismarck 1	800145801	Jeannette Myhre Elem School
8001	Bismarck 1	800151993	Legacy High School
8001	Bismarck 1	800152551	Liberty Elem School
8001	Bismarck 1	800152761	Prairie Rose Elem School
8001	Bismarck 1	800152861	Lincoln Elem School
8001	Bismarck 1	800161291	Robert Place Miller Elem School
8001	Bismarck 1	800161321	Northridge Elem School
8001	Bismarck 1	800170901	Pioneer Elem School
8001	Bismarck 1	800174721	Rita Murphy Elem School
8001	Bismarck 1	800175611	Roosevelt Elem School
8001	Bismarck 1	800179002	Simle Middle School
8001	Bismarck 1	800180381	Victor Solheim Elem School
8001	Bismarck 1	800180503	South Central Alternative High School
8001	Bismarck 1	800182631	Sunrise Elem School
8001	Bismarck 1	800191632	Wachter Middle School
8001	Bismarck 1	800194141	Will-Moore Elem School
8025	Naughton 25	802559851	Naughton School
8033	Menoken 33	803356661	Menoken Elem School
8035	Sterling 35	803582361	Sterling Elem School
8039	Apple Creek 39	803904861	Apple Creek School
9001	Fargo 1	900107132	Ben Franklin Middle School
9001	Fargo 1	900108981	Bennett Elem School
9001	Fargo 1	900112922	Carl Ben Eielson Middle School
9001	Fargo 1	900114181	Clara Barton Hawthorne Elem School
9001	Fargo 1	900117403	Fargo Davies High School
9001	Fargo 1	900118552	Discovery Middle School
9001	Fargo 1	900120801	Eagles Elem School

District Code	District Name	School Code	School Name
9001	Fargo 1	900121041	Ed Clapp Elem School
9001	Fargo 1	900127443	South High School
9001	Fargo 1	900127891	Centennial Elem School
9001	Fargo 1	900137331	Horace Mann Roosevelt Elem School
9001	Fargo 1	900145981	Jefferson Elem School
9001	Fargo 1	900148831	Kennedy Elem School
9001	Fargo 1	900152221	Lewis and Clark Elem School
9001	Fargo 1	900152771	Lincoln Elem School
9001	Fargo 1	900153241	Longfellow Elem School
9001	Fargo 1	900154351	Madison Elem School
9001	Fargo 1	900156251	McKinley Elem School
9001	Fargo 1	900161253	North High School
9001	Fargo 1	900192431	Washington Elem School
9001	Fargo 1	900195163	Woodrow Wilson Alternative High School
9002	Kindred 2	900249331	Kindred Elem School
9002	Kindred 2	900249343	Kindred High School
9004	Maple Valley 4	900411481	Maple Valley Public School
9004	Maple Valley 4	900411483	Maple Valley Public School
9006	West Fargo 6	900605451	Aurora Elem School
9006	West Fargo 6	900610621	Brooks Harbor Elem School
9006	West Fargo 6	900627521	Eastwood Elem School
9006	West Fargo 6	900628961	Freedom Elem School
9006	West Fargo 6	900635001	Harwood Elem School
9006	West Fargo 6	900637381	Horace Elem School
9006	West Fargo 6	900650711	L E Berger Elem School
9006	West Fargo 6	900650902	Cheney Middle School
9006	West Fargo 6	900652011	Legacy Elem School
9006	West Fargo 6	900652582	Liberty Middle School
9006	West Fargo 6	900678652	West Fargo Sheyenne High School
9006	West Fargo 6	900678653	West Fargo Sheyenne High School
9006	West Fargo 6	900680541	South Elem School
9006	West Fargo 6	900680611	Osgood Elem School
9006	West Fargo 6	900693153	West Fargo High School
9006	West Fargo 6	900693161	Independence Elem School
9006	West Fargo 6	900693501	Westside Elem School
9006	West Fargo 6	900694201	Willow Park Elem School
9007	Mapleton 7	900754791	Mapleton Elem School
9017	Central Cass 17	901713541	Central Cass Public School
9017	Central Cass 17	901713542	Central Cass Public School
9017	Central Cass 17	901713543	Central Cass Public School

District Code	District Name	School Code	School Name
9080	Page 80	908068821	Page Elem School
9097	Northern Cass 97	909761211	Northern Cass Public School
9097	Northern Cass 97	909761212	Northern Cass Public School
9097	Northern Cass 97	909761213	Northern Cass Public School
10019	Munich 19	1001958951	Munich Public School
10019	Munich 19	1001958953	Munich Public School
10023	Langdon Area 23	1002351533	Langdon Area High School
10023	Langdon Area 23	1002351541	Langdon Area Elem School
11040	Ellendale 40	1104023331	Ellendale Public School
11040	Ellendale 40	1104023333	Ellendale Public School
11040	Ellendale 40	1104054811	Maple River Colony School
11041	Oakes 41	1104133081	Oakes Elem School
11041	Oakes 41	1104162153	Oakes High School
12001	Divide County 1	1200118601	Divide County Elem School
12001	Divide County 1	1200118663	Divide County High School
13016	Killdeer 16	1301649271	Killdeer Public School
13016	Killdeer 16	1301649273	Killdeer Public School
13019	Halliday 19	1301933901	Halliday Elem School
13037	Twin Buttes 37	1303785821	Twin Buttes Elem School
14002	New Rockford-Sheyenne 2	1400259711	New Rockford-Sheyenne Public School
14002	New Rockford-Sheyenne 2	1400259713	New Rockford-Sheyenne Public School
15006	Hazelton-Moffit-Braddock 6	1500635251	Hazelton-Mof-Brad Public School
15006	Hazelton-Moffit-Braddock 6	1500635253	Hazelton-Mof-Brad Public School
15015	Strasburg 15	1501582481	Strasburg Public School
15015	Strasburg 15	1501582483	Strasburg Public School
15036	Linton 36	1503652881	Linton Public School
15036	Linton 36	1503652883	Linton Public School
16049	Carrington 49	1604913031	Carrington Elem School
16049	Carrington 49	1604913043	Carrington High School
17003	Beach 3	1700308503	Beach High School
17003	Beach 3	1700352781	Lincoln Elem School
17006	Lone Tree 6	1700631911	Golva Elem School
18001	Grand Forks 1	1800108921	Phoenix Elem School
18001	Grand Forks 1	1800108961	Ben Franklin Elem School
18001	Grand Forks 1	1800113641	Century Elem School
18001	Grand Forks 1	1800115303	Community Alternative High School
18001	Grand Forks 1	1800118561	Discovery Elem School
18001	Grand Forks 1	1800132393	Central High School
18001	Grand Forks 1	1800144991	J Nelson Kelly Elem School
18001	Grand Forks 1	1800151251	Lake Agassiz Elem School

District Code	District Name	School Code	School Name
18001	Grand Forks 1	1800152251	Lewis and Clark Elem School
18001	Grand Forks 1	1800159831	Nathan Twining Elem-Middle School
18001	Grand Forks 1	1800159832	Nathan Twining Elem-Middle School
18001	Grand Forks 1	1800173603	Red River High School
18001	Grand Forks 1	1800177712	Schroeder Middle School
18001	Grand Forks 1	1800180622	South Middle School
18001	Grand Forks 1	1800189752	Valley Middle School
18001	Grand Forks 1	1800190341	Viking Elem School
18001	Grand Forks 1	1800193131	West Elem School
18001	Grand Forks 1	1800194061	Wilder Elem School
18001	Grand Forks 1	1800194751	Winship Elem School
18044	Larimore 44	1804451631	Larimore Elem School
18044	Larimore 44	1804451693	Larimore High School
18061	Thompson 61	1806184161	Thompson Public School
18061	Thompson 61	1806184163	Thompson Public School
18125	Manvel 125	1812554731	Manvel Elem School
18128	Midway 128	1812857071	Midway Public School
18128	Midway 128	1812857073	Midway Public School
18129	Northwood 129	1812961341	Northwood Public School
18129	Northwood 129	1812961343	Northwood Public School
19018	Roosevelt 18	1901813061	Roosevelt Elem School
19049	Elgin-New Leipzig 49	1904923281	Elgin-New Leipzig Public School
19049	Elgin-New Leipzig 49	1904923283	Elgin-New Leipzig Public School
20007	Midkota 7	2000709581	Midkota Elem School
20007	Midkota 7	2000731723	Midkota High School
20018	Griggs County Central 18	2001815551	Griggs County Central Public School
20018	Griggs County Central 18	2001815553	Griggs County Central Public School
21001	Mott-Regent 1	2100158581	Mott-Regent Public School
21001	Mott-Regent 1	2100158583	Mott-Regent Public School
21009	New England 9	2100960261	New England Public School
21009	New England 9	2100960263	New England Public School
22001	Kidder County 1	2200182321	Steele-Dawson Public School
22001	Kidder County 1	2200182323	Steele-Dawson Public School
22001	Kidder County 1	2200183181	Tappen Elem School
23003	Edgeley 3	2300321061	Willow Bank Colony School
23003	Edgeley 3	2300321071	Edgeley Public School
23003	Edgeley 3	2300321073	Edgeley Public School
23007	Kulm 7	2300750721	Kulm Public School
23007	Kulm 7	2300750723	Kulm Public School
23008	LaMoure 8	2300851441	LaMoure Colony School

District Code	District Name	School Code	School Name
23008	LaMoure 8	2300851451	LaMoure Public School
23008	LaMoure 8	2300851453	LaMoure Public School
24002	Napoleon 2	2400259771	Napoleon Public School
24002	Napoleon 2	2400259773	Napoleon Public School
24056	Gackle-Streeter 56	2405630131	Gackle-Streeter Public School
24056	Gackle-Streeter 56	2405630133	Gackle-Streeter Public School
25001	Velva 1	2500190031	Velva Public School
25001	Velva 1	2500190033	Velva Public School
25014	Anamoose 14	2501403891	Anamoose Elem School
25057	Drake 57	2505719253	Drake High School
25060	TGU 60	2506032531	TGU Granville Public School
25060	TGU 60	2506032533	TGU Granville Public School
25060	TGU 60	2506060461	TGU Towner Public School
25060	TGU 60	2506060463	TGU Towner Public School
26004	Zeeland 4	2600498491	Zeeland Public School
26004	Zeeland 4	2600498493	Zeeland Public School
26009	Ashley 9	2600905391	Ashley Public School
26009	Ashley 9	2600905393	Ashley Public School
26019	Wishek 19	2601994771	Wishek Public School
26019	Wishek 19	2601994773	Wishek Public School
27001	McKenzie Co 1	2700156063	Watford City High School
27001	McKenzie Co 1	2700156071	Watford City Elem School
27001	McKenzie Co 1	2700156092	Watford City Middle School
27002	Alexander 2	2700203151	Alexander Public School
27002	Alexander 2	2700203153	Alexander Public School
27014	Yellowstone 14	2701427411	East Fairview Elem School
27036	Mandaree 36	2703654591	Mandaree Public School
27036	Mandaree 36	2703654593	Mandaree Public School
28001	Wilton 1	2800194511	Wilton Public School
28001	Wilton 1	2800194513	Wilton Public School
28004	Washburn 4	2800492391	Washburn Public School
28004	Washburn 4	2800492393	Washburn Public School
28008	Underwood 8	2800888061	Underwood Public School
28008	Underwood 8	2800888063	Underwood Public School
28050	Max 50	2805055191	Max Public School
28050	Max 50	2805055193	Max Public School
28051	Garrison 51	2805109901	Bob Callies Elem School
28051	Garrison 51	2805130523	Garrison High School
28072	Turtle Lake-Mercer 72	2807285621	Turtle Lake-Mercer Public School
28072	Turtle Lake-Mercer 72	2807285623	Turtle Lake-Mercer Public School

District Code	District Name	School Code	School Name
28085	White Shield 85	2808593631	White Shield Public School
28085	White Shield 85	2808593633	White Shield Public School
29003	Hazen 3	2900335281	Hazen Elem School
29003	Hazen 3	2900335293	Hazen High School
29003	Hazen 3	2900335302	Hazen Middle School
29027	Beulah 27	2902709243	Beulah High School
29027	Beulah 27	2902709262	Beulah Middle School
29027	Beulah 27	2902709281	Beulah Elem School
30001	Mandan 1	3000116561	Custer Elem School
30001	Mandan 1	3000129251	Ft Lincoln Elem School
30001	Mandan 1	3000152281	Lewis and Clark Elem School
30001	Mandan 1	3000154533	Mandan High School
30001	Mandan 1	3000154572	Mandan Middle School
30001	Mandan 1	3000173611	Red Trail Elem School
30001	Mandan 1	3000175691	Roosevelt Elem School
30001	Mandan 1	3000182861	Mary Stark Elem School
30004	Little Heart 4	3000481231	Little Heart Elem School
30013	Hebron 13	3001335371	Hebron Public School
30013	Hebron 13	3001335373	Hebron Public School
30017	Sweet Briar 17	3001782741	Sweet Briar School
30039	Flasher 39	3003928541	Flasher Public School
30039	Flasher 39	3003928543	Flasher Public School
30048	Glen Ullin 48	3004831651	Glen Ullin Public School
30048	Glen Ullin 48	3004831653	Glen Ullin Public School
30049	New Salem-Almont 49	3004960333	New Salem-Almont High School
30049	New Salem-Almont 49	3004971761	Prairie View Elem School
31001	New Town 1	3100160361	Edwin Loe Elem School
31001	New Town 1	3100160392	New Town High School
31001	New Town 1	3100160393	New Town High School
31002	Stanley 2	3100282171	Stanley Elem School
31002	Stanley 2	3100282183	Stanley High School
31003	Parshall 3	3100369231	Parshall Elem School
31003	Parshall 3	3100369253	Parshall High School
32001	Dakota Prairie 1	3200156411	Dakota Prairie Elem School
32001	Dakota Prairie 1	3200188263	Dakota Prairie High School
32066	Lakota 66	3206651363	Lakota High School
32066	Lakota 66	3206651371	Lakota Elem School
33001	Center-Stanton 1	3300113501	Center-Stanton Public School
33001	Center-Stanton 1	3300113503	Center-Stanton Public School
34006	Cavalier 6	3400613231	Cavalier Public School

District Code	District Name	School Code	School Name
34006	Cavalier 6	3400613233	Cavalier Public School
34019	Drayton 19	3401919281	Drayton Public School
34019	Drayton 19	3401919283	Drayton Public School
34043	St Thomas 43	3404382121	St Thomas Public School
34043	St Thomas 43	3404382123	St Thomas Public School
34100	North Border 100	3410069821	North Border-Pembina Public School
34100	North Border 100	3410069823	North Border-Pembina Public School
34100	North Border 100	3410091861	North Border-Walhalla Public School
34100	North Border 100	3410091863	North Border-Walhalla Public School
34118	Valley-Edinburg 118	3411816261	Valley-Edinburg Elem School-Crystal
34118	Valley-Edinburg 118	3411821093	Valley-Edinburg High School
35001	Wolford 1	3500195081	Wolford Public School
35001	Wolford 1	3500195083	Wolford Public School
35005	Rugby 5	3500576143	Rugby High School
35005	Rugby 5	3500576161	Rugby Ely Elem School
36001	Devils Lake 1	3600118293	Devils Lake High School
36001	Devils Lake 1	3600118332	Central Middle School
36001	Devils Lake 1	3600171781	Prairie View Elem School
36001	Devils Lake 1	3600182801	Sweetwater Elem School
36002	Edmore 2	3600221131	Edmore Public School
36002	Edmore 2	3600221133	Edmore Public School
36044	Starkweather 44	3604482301	Starkweather Public School
36044	Starkweather 44	3604482303	Starkweather Public School
37019	Lisbon 19	3701952901	Lisbon Elem School
37019	Lisbon 19	3701952931	Lisbon Middle School
37019	Lisbon 19	3701952963	Lisbon High School
37024	Enderlin Area 24	3702423871	Enderlin Area Public School
37024	Enderlin Area 24	3702423873	Enderlin Area Public School
38001	Mohall-Lansford-Sherwood 1	3800157781	MLS-Mohall Public School
38001	Mohall-Lansford-Sherwood 1	3800157783	MLS-Mohall Public School
38026	Glenburn 26	3802631691	Glenburn Public School
39018	Fairmount 18	3901827391	Fairmount Public School
39018	Fairmount 18	3901827393	Fairmount Public School
39028	Lidgerwood 28	3902852601	Lidgerwood Public School
39028	Lidgerwood 28	3902852603	Lidgerwood Public School
39037	Wahpeton 37	3903713621	Wahpeton Elem School
39037	Wahpeton 37	3903713632	Wahpeton Middle School
39037	Wahpeton 37	3903791703	Wahpeton High School
39042	Wyndmere 42	3904296271	Wyndmere Public School
39042	Wyndmere 42	3904296273	Wyndmere Public School

District Code	District Name	School Code	School Name
39044	Richland 44	3904420311	Richland Elem School
39044	Richland 44	3904461203	Richland Jr-Sr High School
40001	Dunseith 1	4000119663	Dunseith High School
40001	Dunseith 1	4000119681	Dunseith Elem School
40003	St John 3	4000381521	St John Public School
40003	St John 3	4000381523	St John Public School
40004	Mt Pleasant 4	4000450551	Mt Pleasant Public School
40004	Mt Pleasant 4	4000450553	Mt Pleasant Public School
40007	Belcourt 7	4000785651	Turtle Mountain Community Elem School
40007	Belcourt 7	4000785662	Turtle Mountain Community Middle School
40007	Belcourt 7	4000785673	Turtle Mountain Community High School
40029	Rolette 29	4002975551	Rolette Public School
40029	Rolette 29	4002975553	Rolette Public School
41002	Milnor 2	4100257191	Milnor Public School
41002	Milnor 2	4100257193	Milnor Public School
41002	Milnor 2	4100277571	Sundale Colony School
41002	Milnor 2	4100277573	Sundale Colony School
41003	North Sargent 3	4100361301	North Sargent Public School
41003	North Sargent 3	4100361303	North Sargent Public School
41006	Sargent Central 6	4100677091	Sargent Central Public School
41006	Sargent Central 6	4100677093	Sargent Central Public School
42016	Goodrich 16	4201631991	Goodrich Public School
42016	Goodrich 16	4201631993	Goodrich Public School
42019	McClusky 19	4201953201	McClusky Elem School
42019	McClusky 19	4201955323	McClusky High School
43003	Solen 3	4300312781	Cannon Ball Elem School
43003	Solen 3	4300380363	Solen High School
43004	Ft Yates 4	4300429212	Ft Yates Public Middle School
43008	Selfridge 8	4300878041	Selfridge Public School
43008	Selfridge 8	4300878043	Selfridge Public School
44012	Marmarth 12	4401254861	Marmarth Elem School
45001	Dickinson 1	4500118443	Southwest Community High School
45001	Dickinson 1	4500118453	Dickinson High School
45001	Dickinson 1	4500118482	Dickinson Middle School
45001	Dickinson 1	4500131601	Heart River Elem School
45001	Dickinson 1	4500146001	Jefferson Elem School
45001	Dickinson 1	4500152821	Lincoln Elem School
45001	Dickinson 1	4500171731	Prairie Rose Elem School
45001	Dickinson 1	4500171801	P S Berg Elem School
45001	Dickinson 1	4500175741	Roosevelt Elem School

District Code	District Name	School Code	School Name
45009	South Heart 9	4500980601	South Heart Public School
45009	South Heart 9	4500980603	South Heart Public School
45013	Belfield 13	4501308841	Belfield Public School
45013	Belfield 13	4501308843	Belfield Public School
45034	Richardton-Taylor 34	4503474331	Richardton-Taylor Public School
45034	Richardton-Taylor 34	4503474333	Richardton-Taylor Public School
45034	Richardton-Taylor 34	4503483351	Taylor-Richardton Elem School
46010	Hope 10	4601037293	Hope High School
46019	Finley-Sharon 19	4601928271	Finley-Sharon Public School
46019	Finley-Sharon 19	4601928273	Finley-Sharon Public School
47001	Jamestown 1	4700145703	Jamestown High School
47001	Jamestown 1	4700145732	Jamestown Middle School
47001	Jamestown 1	4700146041	William S Gussner Elem School
47001	Jamestown 1	4700152841	Lincoln Elem School
47001	Jamestown 1	4700153301	Louis LAmour Elem School
47001	Jamestown 1	4700175711	Roosevelt Elem School
47001	Jamestown 1	4700192471	Washington Elem School
47003	Medina 3	4700356571	Medina Public School
47003	Medina 3	4700356573	Medina Public School
47010	Pingree-Buchanan 10	4701011441	Pingree-Buchanan Elem School
47010	Pingree-Buchanan 10	4701070873	Pingree-Buchanan High School
47014	Montpelier 14	4701457941	Montpelier Public School
47014	Montpelier 14	4701457943	Montpelier Public School
47019	Kensal 19	4701948921	Kensal Elem School
48010	North Star 10	4801012771	North Star Public School
48010	North Star 10	4801012773	North Star Public School
49003	Central Valley 3	4900313691	Central Valley Public School
49003	Central Valley 3	4900313693	Central Valley Public School
49007	Hatton Eielson 7	4900735041	Hatton Eielson Public School
49007	Hatton Eielson 7	4900735043	Hatton Eielson Public School
49009	Hillsboro 9	4900936303	Hillsboro High School
49009	Hillsboro 9	4900936331	Hillsboro Elem School
49014	May-Port CG 14	4901455262	May-Port CG Middle-High School
49014	May-Port CG 14	4901455263	May-Port CG Middle-High School
49014	May-Port CG 14	4901471451	Peter Boe Jr Elem School
50003	Grafton 3	5000313661	Century Elem School
50003	Grafton 3	5000332313	Grafton High School
50003	Grafton 3	5000332352	Grafton Junior High School
50005	Fordville-Lankin 5	5000528911	Fordville-Lankin Public School
50005	Fordville-Lankin 5	5000528913	Fordville-Lankin Public School

District Code	District Name	School Code	School Name
50008	Park River Area 8	5000892081	Park River Area Public School
50008	Park River Area 8	5000892083	Park River Area Public School
50020	Minto 20	5002057591	Minto Public School
50020	Minto 20	5002057593	Minto Public School
51001	Minot 1	5100108691	Bel Air Elem School
51001	Minot 1	5100108861	Bell Elem School
51001	Minot 1	5100117151	Dakota Elem School
51001	Minot 1	5100121111	Edison Elem School
51001	Minot 1	5100124802	Erik Ramstad Middle School
51001	Minot 1	5100146452	Jim Hill Middle School
51001	Minot 1	5100146701	John Hoeven Elem School
51001	Minot 1	5100153261	Longfellow Elem School
51001	Minot 1	5100156101	McKinley Elem School
51001	Minot 1	5100156602	Memorial Middle School
51001	Minot 1	5100157461	North Plains Elem School
51001	Minot 1	5100157503	Central Campus School
51001	Minot 1	5100157523	Magic City Campus High School
51001	Minot 1	5100161261	Lewis and Clark Elem School
51001	Minot 1	5100169901	Perkett Elem School
51001	Minot 1	5100175771	Roosevelt Elem School
51001	Minot 1	5100180473	Souris River Campus Alternative High School
51001	Minot 1	5100182641	Sunnyside Elem School
51001	Minot 1	5100192491	Washington Elem School
51004	Nedrose 4	5100460051	Nedrose Elem School
51004	Nedrose 4	5100460061	Nedrose Public School
51004	Nedrose 4	5100460063	Nedrose Public School
51007	United 7	5100788191	Burlington-Des Lacs Elem School
51007	United 7	5100788233	Des Lacs-Burlington High School
51016	Sawyer 16	5101677171	Sawyer Elem School
51028	Kenmare 28	5102848781	Kenmare Elem School
51028	Kenmare 28	5102848823	Kenmare High School
51041	Surrey 41	5104182661	Surrey Public School
51041	Surrey 41	5104182663	Surrey Public School
51070	South Prairie 70	5107080681	South Prairie Public School
51070	South Prairie 70	5107080683	South Prairie Public School
51161	Lewis and Clark 161	5116109161	Berthold Public School
51161	Lewis and Clark 161	5116109163	Berthold Public School
51161	Lewis and Clark 161	5116171081	North Shore Plaza Public School
51161	Lewis and Clark 161	5116171083	North Shore Plaza Public School
52025	Fessenden-Bowdon 25	5202527921	Fessenden-Bowdon Public School

District Code	District Name	School Code	School Name
52038	Harvey 38	5203834781	B M Hanson Elem School
52038	Harvey 38	5203834793	Harvey High School
53001	Williston 1	5300107691	Bakken Elem School
53001	Williston 1	5300117753	Del Easton Alternative High School
53001	Williston 1	5300133701	Hagan Elem School
53001	Williston 1	5300152311	Lewis and Clark Elem School
53001	Williston 1	5300156291	McVay Elem School
53001	Williston 1	5300174451	Rickard Elem School
53001	Williston 1	5300194121	Wilkinson Elem School
53001	Williston 1	5300194163	Williston High School
53001	Williston 1	5300194182	Williston Middle School
53002	Nesson 2	5300273521	Ray Public School
53002	Nesson 2	5300273523	Ray Public School
53006	Eight Mile 6	5300622701	Eight Mile Public School
53006	Eight Mile 6	5300622703	Eight Mile Public School
53008	Williams County 8	5300830451	Garden Valley Elem School
53008	Williams County 8	5300857451	Missouri Ridge Middle School
53008	Williams County 8	5300857452	Missouri Ridge Middle School
53008	Williams County 8	5300876001	Round Prairie Elem School
53015	Tioga 15	5301513601	Central Elem School
53015	Tioga 15	5301584633	Tioga High School
53099	Grenora 99	5309932811	Grenora Public School
53099	Grenora 99	5309932813	Grenora Public School

Table C1. North Dakota Districts and Schools that Participated in 2019 Cognia Student Engagement Survey