

PASA Annual Participation and Performance Report 2017-2018

2018 *Pennsylvania Alternate System of Assessment (PASA)* English Language Arts, Math, and Science Statewide Results

A Statewide Assessment for Students with Significant Cognitive Disabilities

Executive Summary

This report summarizes results of the 2018 *Pennsylvania Alternate System of Assessment (PASA)* English Language Arts¹, Math, and Science assessments. The report is divided into two major sections: Section 1 presents demographic information about students assessed and Section 2 presents the assessment outcomes. Statewide summary data are provided first, followed by detailed data disaggregated by grade level and level of the test administered.

Per Section 1 of this report, the Pennsylvania Department of Education (PDE) recognizes section 1111(b)(2)(D)(i)(I) of the Elementary and Secondary Education Act of 1965 (ESEA), as amended by the Every Student Succeeds Act (ESSA), which limits the number of students that a state may assess with an alternate assessment aligned to alternate achievement standards (AA-AAS) to no more than 1% of all students in the grades assessed in a state. Statewide PASA participation data, as referenced in Table 2, as well as data collected through the Pennsylvania Information Management System (PIMS), indicate that PA exceeded the 1% cap in the 2018 reporting year. While the State did not meet the criteria of at least 95% of total students with disabilities participating in state assessments in order to apply for a waiver from the US Department of Education, it has developed a comprehensive plan to address the 1% requirement. More information on the 1% cap can be accessed on the PDE website at <https://www.education.pa.gov/K-12/Special%20Education/Assessments/Pages/PA-Alternate-System-of-Assessment.aspx>

Overall, a total of 19,209 students were assessed in English Language Arts, Math, and Science. The majority of the students assessed were male, white/not Hispanic, with a primary disability being intellectual disability, or autism. Outcome data presented include the numbers and percentages of students performing in the four performance categories, and numbers and percentages of students in various demographic categories performing in the four different performance categories. Three-year comparisons for student performance

¹ The 2018 English Language Arts test contained operational items in reading only.

levels are also provided.

Participation and performance results contained in this report are associated with *PASA* enrollment and confirmed assessments derived from the *PASA-Digital* system. Local education agencies and service providers review and verify student level data in the *PASA-Digital* system. Demographics, participation data, and performance results contained herein may vary slightly from state accountability files. Accountability files are based upon student level data within the PA Information Management System (PIMS) as well as attribution and participation rules.

Contents

<i>Executive Summary</i>	<i>i</i>
<i>List of Tables</i>	<i>2</i>
<i>Section 1 - Demographic Information about Students Assessed</i>	<i>4</i>
<i>Participation by Gender</i>	<i>4</i>
<i>Participation by Primary Disability</i>	<i>5</i>
<i>Participation by Ethnicity</i>	<i>7</i>
<i>Participation by Economic Status</i>	<i>8</i>
<i>Participation by English Learner Students</i>	<i>8</i>
<i>Students who Required Accommodations</i>	<i>11</i>
<i>Section 2 – 2018 PASA Assessment Outcomes</i>	<i>15</i>
<i>Testing Terminated</i>	<i>15</i>
<i>Cut Scores</i>	<i>16</i>
<i>Performance Levels Overall by Subject and Test Level</i>	<i>18</i>
<i>Performance Levels Overall by Gender</i>	<i>19</i>
<i>Performance Levels Overall by Primary Disability</i>	<i>20</i>
<i>Performance Levels Overall by Ethnicity</i>	<i>27</i>
<i>Performance Levels Overall by Economic Status</i>	<i>30</i>
<i>Performance Levels Overall for English Learner Students</i>	<i>30</i>
<i>Performance Levels Overall for Students Using Accommodations</i>	<i>31</i>
<i>Performance Levels by Recording Medium</i>	<i>34</i>
<i>Comparison of PASA Results for 2015-2016, 2016-2017, and 2017-2018</i>	<i>35</i>

List of Tables

Table 1. Total Number of Students Assessed in ELA, Math, and Science at Each Assessment Level.....	4
Table 2. Number of Students Assessed in ELA, Math, and Science at Each Grade Level as Percentage of Tested State Population.....	4
Table 3. Number and Percentage of Males and Females Assessed by Content and Test Level.....	4
Table 4. Number and Percentage of Students Assessed by Primary Disability - ELA.....	5
Table 5. Number and Percentage of Students Assessed by Primary Disability - Math.....	5
Table 6. Number and Percentage of Students Assessed by Primary Disability - Science.....	6
Table 7. Disability Designation for Students taking the PASA for the first time in 2018 (excluding 3rd graders).....	6
Table 8. Counts of Students taking the PASA for the first time in 2018 by Content and Test Level.....	7
Table 9. Number and Percentage of Students Assessed by Ethnicity - ELA.....	7
Table 10. Number and Percentage of Students Assessed by Ethnicity - Math.....	7
Table 11. Number and Percentage of Students Assessed by Ethnicity - Science.....	8
Table 12. Number and Percentage of Students Assessed who are Economically Disadvantaged by Content at Each Test Level.....	8
Table 13. Number and Percentage of English Learners Assessed by Content at Each Test Level.....	8
Table 14. Number and Percentage of English Learners Assessed by Primary Disability Category - ELA....	9
Table 15. Number and Percentage of English Learners Assessed by Primary Disability Category - Math...	9
Table 16. Number and Percentage of English Learners Assessed by Primary Disability Category - Science.....	10
Table 17. Number of Students Assessed using Specific Accommodations on the 2018 PASA - ELA.....	11
Table 18. Number of Students Assessed using Specific Accommodations on the 2018 PASA - Math.....	12
Table 19. Number of Students Assessed using Specific Accommodations on the 2018 PASA - Science ..	13
Table 20. Number and Percentage of Students Assessed by Content whose Assessments were Terminated Prior to Completion.....	15
Table 21. Cut Scores and 2018 Test Mean by Grade Level - ELA.....	16
Table 22. Cut Scores and 2018 Test Mean by Grade Level - Math.....	17
Table 23. Cut Scores and 2018 Test Mean by Grade Level - Science.....	17
Table 24. Number and Percentage of Students Classified at Each Performance Level.....	18
Table 25. Number and Percentage of Students Classified at Each Performance Level by Gender.....	19
Table 26. Number and Percentage of Students Classified at Each Performance Level by Primary Disability - ELA.....	20
Table 27. Number and Percentage of Students Classified at Each Performance Level by Primary Disability - Math.....	21
Table 28. Number and Percentage of Students Classified at Each Performance Level by Primary Disability - Science.....	22
Table 29. Number and Percentage of English Learners Classified at Each Performance Level by Primary Disability - ELA.....	23
Table 30. Number and Percentage of English Learners Classified at Each Performance Level by Primary Disability - Math.....	25
Table 31. Number and Percentage of English Learners Classified at Each Performance Level by Primary Disability - Science.....	26
Table 32. Number and Percentage of Students Classified at Each Performance Level by Ethnicity	

- ELA	27
Table 33. Number and Percentage of Students Classified at Each Performance Level by Ethnicity	
- Math	28
Table 34. Number and Percentage of Students Classified at Each Performance Level by Ethnicity	
- Science.....	29
Table 35. Number and Percentage of Economically Disadvantaged Students Classified at Each Performance Level.....	30
Table 36. Number and Percentage of English Learners Classified at Each Performance Level.....	30
Table 37. Number and Percentage of Students Classified at Each Performance Level using Accommodations-ELA	31
Table 38. Number and Percentage of Students Classified at Each Performance Level using Accommodations-Math	32
Table 39. Number and Percentage of Students Classified at Each Performance Level using Accommodations-Science.....	33
Table 40. Number and Percentage of Students Classified at Each Performance Level by Assessment Medium.....	34
Table 41. Percentage of Students Scoring Proficient and Advanced for the Past Three Years.....	35
Table 42. Current and Past Results by Performance Category for Students Who Completed the Assessment - ELA	36
Table 43. Current and Past Results by Performance Category for Students Who Completed the Assessment – Math	37
Table 44. Current and Past Results by Performance Category for Students Who Completed the Assessment – Science.....	38

Section 1 - Demographic Information about Students Assessed

Table 1. Total Number of Students Assessed in ELA, Math, and Science at Each Assessment Level

PASA Test	Level A	Level B	Level C	Total
ELA	9304	6685	3186	19175
Math	9727	6458	2947	19132
	Tier 1	Tier 2		
Science	3836	4156		7992

Table 2. Number of Students Assessed in ELA, Math, and Science at Each Grade Level as Percentage of Tested State Population

Grade	ELA			Math			Science		
	n	% PASA	% PSSA	n	% PASA	% PSSA	n	% PASA	% PSSA
3	2714	14.2	2.2	2700	14.1	2.2	2763	34.6	2.2
4	2779	14.5	2.2	2770	14.5	2.1			
5	2816	14.7	2.2	2810	14.7	2.2			
6	2786	14.5	2.2	2781	14.5	2.2			
7	2824	14.7	2.2	2820	14.7	2.2			
8	2809	14.6	2.2	2814	14.7	2.2	2798	35.0	2.2
11	2447	12.8	2.0	2437	12.7	2.0	2431	30.4	2.0
TOTAL	19175	100		19132	100		7992	100	

Participation by Gender

Table 3. Number and Percentage of Males and Females Assessed by Content and Test Level

Level	Male	% Males within ELA Level	% Males within Gender	Female	% Females within ELA Level	% Females within Gender	Total
ELA							
A	6283	48.7	67.6	3014	48.1	32.4	9297
B	4516	35.0	67.6	2167	34.6	32.4	6683
C	2105	16.3	66.1	1080	17.2	33.9	3185
Total	12904	100		6261	100		19165
Math							
A	6508	50.5	66.9	3213	51.4	33.1	9721
B	4320	33.5	66.9	2135	34.2	33.1	6455
C	2049	15.9	69.6	897	14.4	30.4	2946
Total	12877	100		6245	100		19122
Science							
Tier 1	2581	48.0	67.3	1254	48.0	32.7	3835
Tier 2	2795	52.0	67.3	1359	52.0	32.7	4154
Total	5376	100		2613	100		7989

Participation by Primary Disability

Table 4. Number and Percentage of Students Assessed by Primary Disability - ELA

Primary Disability	Overall		Level A		Level B		Level C	
	n	%	n	%	n	%	n	%
Autism	6572	34.3	3464	37.2	2091	31.3	1017	31.9
Deaf-Blind	19	0.1	16	0.2	3	0	0	0
Deafness / Hearing Impairment	121	0.6	53	0.6	44	0.7	24	0.8
Emotional Disturbance	341	1.8	103	1.1	160	2.4	78	2.4
Intellectual Disability	7409	38.6	3563	38.3	2816	42.1	1030	32.3
Learning Disability	1690	8.8	320	3.4	753	11.3	617	19.4
Multiple Disabilities	1305	6.8	1141	12.3	134	2	30	0.9
Orthopedic Impairment	103	0.5	43	0.5	42	0.6	18	0.6
Other Health Impairment	1243	6.5	414	4.4	520	7.8	309	9.7
Speech / Language Impairment	135	0.7	45	0.5	60	0.9	30	0.9
Traumatic Brain Injury	95	0.5	41	0.4	31	0.5	23	0.7
Visual Impairment	142	0.7	101	1.1	31	0.5	10	0.3
TOTAL	19175	100	9304	100	6685	100	3186	100

Table 5. Number and Percentage of Students Assessed by Primary Disability - Math

Primary Disability	Overall		Level A		Level B		Level C	
	n	%	n	%	n	%	n	%
Autism	6558	34.3	3553	36.5	2040	31.6	965	32.7
Deaf-Blind	19	0.1	16	0.2	3	0	0	0
Deafness / Hearing Impairment	121	0.6	56	0.6	42	0.7	23	0.8
Emotional Disturbance	340	1.8	106	1.1	165	2.6	69	2.3
Intellectual Disability	7399	38.7	3837	39.4	2669	41.3	893	30.3
Learning Disability	1688	8.8	319	3.3	750	11.6	619	21
Multiple Disabilities	1291	6.7	1153	11.9	110	1.7	28	1
Orthopedic Impairment	102	0.5	47	0.5	40	0.6	15	0.5
Other Health Impairment	1241	6.5	442	4.5	521	8.1	278	9.4
Speech / Language Impairment	135	0.7	47	0.5	58	0.9	30	1
Traumatic Brain Injury	94	0.5	41	0.4	31	0.5	22	0.7
Visual Impairment	144	0.8	110	1.1	29	0.4	5	0.2
TOTAL	19132	100	9727	100	6458	100	2947	100

Table 6. Number and Percentage of Students Assessed by Primary Disability - Science

Primary Disability	Overall		Tier 1		Tier 2	
	n	%	n	%	n	%
Autism	2599	32.5	1396	36.4	1203	28.9
Deaf-Blind	9	0.1	8	0.2	1	0
Deafness / Hearing Impairment	57	0.7	35	0.9	22	0.5
Emotional Disturbance	145	1.8	38	1	107	2.6
Intellectual Disability	3265	40.9	1501	39.1	1764	42.4
Learning Disability	707	8.8	156	4.1	551	13.3
Multiple Disabilities	537	6.7	455	11.9	82	2
Orthopedic Impairment	48	0.6	14	0.4	34	0.8
Other Health Impairment	485	6.1	168	4.4	317	7.6
Speech / Language Impairment	49	0.6	17	0.4	32	0.8
Traumatic Brain Injury	40	0.5	17	0.4	23	0.6
Visual Impairment	51	0.6	31	0.8	20	0.5
TOTAL	7992	100	3836	100	4156	100

Table 7. Disability Designation for Students taking the PASA for the first time in 2018 (excluding 3rd graders)

Primary Disability	Taking PASA for first time in 2017		Students taking PASA in 2017	
	n	%	n	%
Autism	298	20.5	6581	34.3
Deaf-Blind	0	0	19	0.1
Deafness / Hearing Impairment	16	1.1	121	0.6
Emotional Disturbance	67	4.6	342	1.8
Intellectual Disability	556	38.2	7422	38.6
Learning Disability	297	20.4	1695	8.8
Multiple Disabilities	51	3.5	1308	6.8
Orthopedic Impairment	4	0.3	103	0.5
Other Health Impairment	140	9.6	1244	6.5
Speech / Language Impairment	14	1	135	0.7
Traumatic Brain Injury	12	0.8	95	0.5
Visual Impairment	1	0.1	144	0.7
TOTAL	1456	100	19209	100

Table 8. Counts of Students taking the PASA for the first time in 2018 by Content and Test Level

Level	n	%
ELA		
A	2328	56.3
B	1247	30.1
C	563	13.6
Total	4138	
Math		
A	2331	56.5
B	1254	30.4
C	544	13.2
Total	4129	
Science		
Tier 1	489	60.8
Tier 2	315	39.2
Total	804	

Participation by Ethnicity

Table 9. Number and Percentage of Students Assessed by Ethnicity - ELA

Ethnicity	Overall		Level A		Level B		Level C	
	n	%	n	%	n	%	n	%
African American/Black	4487	23.4	2162	23.2	1645	24.6	680	21.3
Asian/Pacific Islander	522	2.7	303	3.3	158	2.4	61	1.9
Latino/Hispanic – American	2449	12.8	1346	14.5	785	11.7	318	10
Multi-Racial/Ethnic	905	4.7	480	5.2	297	4.4	128	4
Native American/Alaskan	35	0.2	18	0.2	11	0.2	6	0.2
White / Not Hispanic	10777	56.2	4995	53.7	3789	56.7	1993	62.6

Table 10. Number and Percentage of Students Assessed by Ethnicity - Math

Ethnicity	Overall		Level A		Level B		Level C	
	n	%	n	%	n	%	n	%
African American/Black	4479	23.4	2284	23.5	1604	24.8	591	20.1
Asian/Pacific Islander	519	2.7	305	3.1	147	2.3	67	2.3
Latino/Hispanic – American	2445	12.8	1367	14.1	785	12.2	293	9.9
Multi-Racial/Ethnic	902	4.7	487	5	290	4.5	125	4.2
Native American/Alaskan	35	0.2	19	0.2	12	0.2	4	0.1
White / Not Hispanic	10752	56.2	5265	54.1	3620	56.1	1867	63.4

Table 11. Number and Percentage of Students Assessed by Ethnicity - Science

Ethnicity	Overall		Tier 1		Tier 2	
	n	%	n	%	n	%
African American/Black	1835	23	925	24.1	910	21.9
Asian/Pacific Islander	201	2.5	116	3	85	2
Latino/Hispanic – American	975	12.2	549	14.3	426	10.3
Multi-Racial/Ethnic	303	3.8	148	3.9	155	3.7
Native American/Alaskan	14	0.2	9	0.2	5	0.1
White / Not Hispanic	4664	58.4	2089	54.5	2575	62

Participation by Economic Status

Table 12. Number and Percentage of Students Assessed who are Economically Disadvantaged by Content at Each Test Level

Content	Overall		Level A		Level B		Level C	
	n	%	n	%	n	%	n	%
ELA	11958	62.4	5553	59.7	4375	65.5	2030	63.7
Math	11938	62.4	5841	60.1	4260	66.0	1837	62.4
			Tier 1		Tier 2			
Science	4972	62.2	2315	60.4	2657	64.0		

Participation by English Learner Students

Table 13. Number and Percentage of English Learners Assessed by Content at Each Test Level

Content	Overall		Level A		Level B		Level C	
	n	%	n	%	n	%	n	%
ELA	1064	5.5	576	6.2	366	5.5	122	3.8
Math	1072	5.9	579	6.0	366	5.7	127	4.3
			Tier 1		Tier 2			
Science	440	5.8	245	6.4	195	4.7		

Table 14. Number and Percentage of English Learners Assessed by Primary Disability Category - ELA

Primary Disability	Overall		Level A		Level B		Level C	
	n	%	n	%	n	%	n	%
Autism	275	25.8	159	27.6	82	22.4	34	27.9
Deaf-Blind	1	0.1	0	0	1	0.3	0	0
Deafness / Hearing Impairment	9	0.8	1	0.2	4	1.1	4	3.3
Emotional Disturbance	10	0.9	6	1	4	1.1	0	0
Intellectual Disability	462	43.4	265	46	159	43.4	38	31.1
Learning Disability	152	14.3	47	8.2	73	19.9	32	26.2
Multiple Disabilities	53	5	50	8.7	2	0.5	1	0.8
Orthopedic Impairment	4	0.4	1	0.2	2	0.5	1	0.8
Other Health Impairment	79	7.4	38	6.6	29	7.9	12	9.8
Speech / Language Impairment	11	1	2	0.3	9	2.5	0	0
Traumatic Brain Injury	5	0.5	4	0.7	1	0.3	0	0
Visual Impairment	3	0.3	3	0.5	0	0	0	0

Table 15. Number and Percentage of English Learners Assessed by Primary Disability Category - Math

Primary Disability	Overall		Level A		Level B		Level C	
	n	%	n	%	n	%	n	%
Autism	277	25.8	165	28.5	75	20.5	37	29.1
Deaf-Blind	1	0.1	0	0	1	0.3	0	0
Deafness / Hearing Impairment	9	0.8	1	0.2	5	1.4	3	2.4
Emotional Disturbance	10	0.9	6	1	4	1.1	0	0
Intellectual Disability	465	43.4	268	46.3	165	45.1	32	25.2
Learning Disability	153	14.3	38	6.6	73	19.9	42	33.1
Multiple Disabilities	55	5.1	52	9	2	0.5	1	0.8
Orthopedic Impairment	4	0.4	1	0.2	3	0.8	0	0
Other Health Impairment	79	7.4	39	6.7	30	8.2	10	7.9
Speech / Language Impairment	11	1	2	0.3	7	1.9	2	1.6
Traumatic Brain Injury	5	0.5	4	0.7	1	0.3	0	0
Visual Impairment	3	0.3	3	0.5	0	0	0	0

Table 16. Number and Percentage of English Learners Assessed by Primary Disability Category - Science

Primary Disability	Overall		Tier 1		Tier 2	
	n	%	n	%	n	%
Autism	93	21.1	60	24.5	33	16.9
Deaf-Blind	1	0.2	0	0	1	0.5
Deafness / Hearing Impairment	4	0.9	1	0.4	3	1.5
Emotional Disturbance	3	0.7	1	0.4	2	1
Intellectual Disability	214	48.6	123	50.2	91	46.7
Learning Disability	70	15.9	24	9.8	46	23.6
Multiple Disabilities	25	5.7	22	9	3	1.5
Orthopedic Impairment	1	0.2	0	0	1	0.5
Other Health Impairment	24	5.5	11	4.5	13	6.7
Speech / Language Impairment	1	0.2	0	0	1	0.5
Traumatic Brain Injury	3	0.7	2	0.8	1	0.5
Visual Impairment	1	0.2	1	0.4	0	0

Students who Required Accommodations

Table 17. Number of Students Assessed using Specific Accommodations on the 2018 PASA - ELA

Accommodations	Overall	Level A	Level B	Level C
Grade 3				
Used sign language	14	11	1	2
Used an interpreter	10	7	1	2
Used tactual adaptations	6	6	0	0
Used objects (other than those provided by PASA)	15	10	3	2
Used assistive technology	35	35	0	0
Used eye gaze	9	8	1	0
Grade 4				
Used sign language	31	26	3	2
Used an interpreter	13	10	3	0
Used tactual adaptations	5	4	1	0
Used objects (other than those provided by PASA)	6	4	1	1
Used assistive technology	32	28	4	0
Used eye gaze	25	25	0	0
Grade 5				
Used sign language	18	10	6	2
Used an interpreter	6	4	1	1
Used tactual adaptations	3	3	0	0
Used objects (other than those provided by PASA)	6	5	1	0
Used assistive technology	33	30	2	1
Used eye gaze	17	16	1	0
Grade 6				
Used sign language	24	16	6	2
Used an interpreter	11	7	3	1
Used tactual adaptations	6	5	0	1
Used objects (other than those provided by PASA)	8	3	2	3
Used assistive technology	33	26	5	2
Used eye gaze	12	11	1	0
Grade 7				
Used sign language	19	6	8	5
Used an interpreter	7	3	3	1
Used tactual adaptations	7	3	4	0
Used objects (other than those provided by PASA)	5	1	2	2
Used assistive technology	33	32	1	0
Used eye gaze	18	18	0	0
Grade 8				
Used sign language	15	11	2	2
Used an interpreter	5	4	1	0
Used tactual adaptations	6	4	2	0
Used objects (other than those provided by PASA)	3	0	2	1
Used assistive technology	24	15	3	6
Used eye gaze	12	12	0	0

Table 17 (con't) Number of Students Assessed using Specific Accommodations on the 2018 PASA - ELA

Accommodations	Overall	Level A	Level B	Level C
Grade 11				
Used sign language	19	11	8	0
Used an interpreter	9	4	4	1
Used tactual adaptations	8	5	1	2
Used objects (other than those provided by PASA)	7	6	1	0
Used assistive technology	19	17	2	0
Used eye gaze	9	9	0	0
Total Students				
Used sign language	140	91	34	15
Used an interpreter	61	39	16	6
Used tactual adaptations	41	30	8	3
Used objects (other than those provided by PASA)	50	29	12	9
Used assistive technology	209	183	17	9
Used eye gaze	102	99	3	0

Table 18. Number of Students Assessed using Specific Accommodations on the 2018 PASA - Math

Accommodations	Overall	Level A	Level B	Level C
Grade 3				
Used sign language	12	9	1	2
Used an interpreter	11	8	1	2
Used tactual adaptations	11	10	1	0
Used objects (other than those provided by PASA)	39	27	9	3
Used assistive technology	29	26	3	0
Used eye gaze	9	9	0	0
Grade 4				
Used sign language	30	27	2	1
Used an interpreter	11	9	2	0
Used tactual adaptations	9	6	3	0
Used objects (other than those provided by PASA)	26	8	15	3
Used assistive technology	32	29	3	0
Used eye gaze	25	25	0	0
Grade 5				
Used sign language	17	11	3	3
Used an interpreter	6	4	1	1
Used tactual adaptations	9	9	0	0
Used objects (other than those provided by PASA)	35	17	13	5
Used assistive technology	32	28	4	0
Used eye gaze	17	17	0	0
Grade 6				
Used sign language	23	16	5	2
Used an interpreter	8	4	3	1
Used tactual adaptations	9	8	0	1
Used objects (other than those provided by PASA)	36	11	15	10
Used assistive technology	28	21	4	3
Used eye gaze	12	12	0	0

Table 18 (con't) Number of Students Assessed using Specific Accommodations on the 2018 PASA - Math

Accommodations	Overall	Level A	Level B	Level C
Grade 7				
Used sign language	21	9	7	5
Used an interpreter	7	3	3	1
Used tactual adaptations	10	4	5	1
Used objects (other than those provided by PASA)	52	18	20	14
Used assistive technology	34	31	2	1
Used eye gaze	18	18	0	0
Grade 8				
Used sign language	12	8	3	1
Used an interpreter	5	4	1	0
Used tactual adaptations	4	4	0	0
Used objects (other than those provided by PASA)	17	7	7	3
Used assistive technology	24	15	5	4
Used eye gaze	12	12	0	0
Grade 11				
Used sign language	21	12	8	1
Used an interpreter	11	6	5	0
Used tactual adaptations	9	7	2	0
Used objects (other than those provided by PASA)	14	8	5	1
Used assistive technology	22	16	3	3
Used eye gaze	9	9	0	0
Total				
Used sign language	136	92	29	15
Used an interpreter	59	38	16	5
Used tactual adaptations	61	48	11	2
Used objects (other than those provided by PASA)	220	96	84	40
Used assistive technology	201	166	24	11
Used eye gaze	102	102	0	0

Table 19. Number of Students Assessed using Specific Accommodations on the 2018 PASA - Science

Accommodations	Overall	Tier 1	Tier 2
Grade 4			
Used sign language	28	26	2
Used an interpreter	11	10	1
Used tactual adaptations	9	6	3
Used objects (other than those provided by PASA)	5	5	0
Used assistive technology	32	28	4
Used eye gaze	25	25	0
Grade 8			
Used sign language	11	8	3
Used an interpreter	6	5	1
Used tactual adaptations	3	1	2
Used objects (other than those provided by PASA)	2	0	2
Used assistive technology	26	14	12
Used eye gaze	11	11	0

Table 19 (con') Number of Students Assessed using Specific Accommodations on the 2018 PASA - Science

Accommodations	Overall	Tier 1	Tier 2
Grade 11			
Used sign language	18	10	8
Used an interpreter	8	4	4
Used tactual adaptations	11	9	2
Used objects (other than those provided by PASA)	4	3	1
Used assistive technology	21	18	3
Used eye gaze	9	9	0
Total			
Used sign language	57	44	13
Used an interpreter	25	19	6
Used tactual adaptations	23	16	7
Used objects (other than those provided by PASA)	11	8	3
Used assistive technology	79	60	19
Used eye gaze	45	45	0

Section 2 – 2018 PASA Assessment Outcomes

Testing Terminated

Table 20. Number and Percentage of Students Assessed by Content whose Assessments were Terminated Prior to Completion²

Content	Overall		Level A		Level B		Level C	
	n	%	n	%	n	%	n	%
ELA	1450	7.6	1385	14.9	49	0.7	16	0.5
Math	1606	8.4	1535	15.8	57	0.9	14	0.5
			Tier 1		Tier 2			
Science	588	7.4	556	14.5	32	0.8		

² If the student is unable to participate meaningfully in the PASA tests despite the accommodations and modifications provided, assessors may discontinue the test. Lack of meaningful participation is demonstrated by **three consecutive skills in which the student is only passively participating**. The attempts to complete the three skills must be captured on video or narrative notes and must occur within the first four skills of the test for the given subject. **Do not discontinue testing just because three consecutive incorrect responses occur in the middle of the test**; discontinue if you believe the student is unable to participate meaningfully. When you discontinue the test, the student will earn the lowest performance level (emerging) in that subject area, but he or she will be included in the accountability process. Assessors may also discontinue testing for a medical emergency or if the student is engaging in self-injurious or dangerous behavior.

Cut Scores

Table 21. Cut Scores and 2018 Test Mean by Grade Level - ELA

Level	Emerging/Novice	Novice/Proficient	Proficient/Advanced	Mean Scale Score
Grade 3				
Level A	95	101	106	100
Level B	295	300	305	303
Level C	501	504	512	506
Grade 4				
Level A	95	101	106	99
Level B	295	300	305	303
Level C	501	504	512	507
Grade 5				
Level A	95	101	106	99
Level B	295	300	305	304
Level C	501	504	512	509
Grade 6				
Level A	95	101	106	99
Level B	295	300	305	303
Level C	501	504	512	507
Grade 7				
Level A	95	101	106	96
Level B	295	300	305	301
Level C	501	504	512	507
Grade 8				
Level A	95	101	106	95
Level B	295	300	305	302
Level C	501	504	512	508
Grade 11				
Level A	95	101	106	95
Level B	295	300	305	301
Level C	501	504	512	509

Table 22. Cut Scores and 2018 Test Mean by Grade Level - Math

Level	Emerging/Novice	Novice/Proficient	Proficient/Advanced	Mean Scale Score
Grade 3				
Level A	91	95	104	95
Level B	288	298	306	299
Level C	493	497	511	498
Grade 4				
Level A	91	95	104	98
Level B	288	298	306	300
Level C	493	497	511	503
Grade 5				
Level A	91	95	104	94
Level B	288	298	306	299
Level C	493	497	511	504
Grade 6				
Level A	91	95	104	96
Level B	288	298	306	300
Level C	493	497	511	504
Grade 7				
Level A	91	95	104	92
Level B	288	298	306	297
Level C	493	497	511	501
Grade 8				
Level A	91	95	104	94
Level B	288	298	306	299
Level C	493	497	511	500
Grade 11				
Level A	91	95	104	92
Level B	288	298	306	298
Level C	493	497	511	502

Table 23. Cut Scores and 2018 Test Mean by Grade Level - Science

Level	Emerging/Novice	Novice/Proficient	Proficient/Advanced	Mean Scale Score
Grade 4				
Tier 1	300	400	621	375
Tier 2	300	400	525	387
Grade 8				
Tier 1	300	400	580	336
Tier 2	300	400	528	394
Grade 11				
Tier 1	300	400	640	330
Tier 2	300	400	518	398

Performance Levels Overall by Subject and Test Level

Table 24. Number and Percentage of Students Classified at Each Performance Level

Level	Advanced		Proficient		Novice		Emerging	
	n	%	n	%	n	%	n	%
ELA								
A	2191	23.5	2171	23.3	1917	20.6	3025	32.5
B	2219	33.2	2629	39.3	1171	17.5	666	10
C	741	23.3	1708	53.6	422	13.2	315	9.9
Total	5151	26.9	6508	33.9	3510	18.3	4006	20.9
Math								
A	2530	26.0	2639	27.1	1430	14.7	3128	32.2
B	1217	18.8	2246	34.8	2492	38.6	503	7.8
C	400	13.6	1715	58.2	491	16.7	341	11.6
Total	4147	21.7	6600	34.5	4413	23.1	3972	20.8
Science								
Tier 1	73	1.9	1289	33.6	1100	28.7	1374	35.8
Tier 2	78	1.9	2164	52.1	1590	38.3	324	7.8
Total	151	1.9	3453	43.2	2690	33.7	1698	21.2

Performance Levels Overall by Gender

Table 25. Number and Percentage of Students Classified at Each Performance Level by Gender

Male								
Level	Advanced		Proficient		Novice		Emerging	
	n	%	n	%	n	%	n	%
ELA								
A	1476	23.5	1429	22.7	1303	20.7	2075	33.0
B	1537	34.0	1726	38.2	785	17.4	468	10.4
C	518	24.6	1102	52.4	278	13.2	207	9.8
Total	3531	27.4	4257	33.0	2366	18.3	2750	21.3
Math								
A	1748	26.9	1704	26.2	932	14.3	2124	32.6
B	905	20.9	1492	34.5	1594	36.9	329	7.6
C	306	14.9	1202	58.7	325	15.9	216	10.5
Total	2959	23.0	4398	34.2	2851	22.1	2669	20.7
Science								
Tier 1	54	2.1	873	33.8	705	27.3	949	36.8
Tier 2	60	2.1	1533	54.8	981	35.1	221	7.9
Total	114	2.1	2406	44.8	1686	31.4	1170	21.8
Female								
Level	Advanced		Proficient		Novice		Emerging	
	n	%	n	%	n	%	n	%
ELA								
A	714	23.7	741	24.6	609	20.2	950	31.5
B	681	31.4	902	41.6	386	17.8	198	9.1
C	223	20.6	605	56.0	144	13.3	108	10.0
Total	1618	25.8	2248	35.9	1139	18.2	1256	20.1
Math								
A	781	24.3	933	29.0	495	15.4	1004	31.2
B	312	14.6	754	35.3	896	42.0	173	8.1
C	94	10.5	512	57.1	166	18.5	125	13.9
Total	1187	19.0	2199	35.2	1557	24.9	1302	20.8
Science								
Tier 1	19	1.5	416	33.2	394	31.4	425	33.9
Tier 2	18	1.3	630	46.4	608	44.7	103	7.6
Total	37	1.4	1046	40	1002	38.3	528	20.2

Performance Levels Overall by Primary Disability

Table 26. Number and Percentage of Students Classified at Each Performance Level by Primary Disability - ELA

Overall					
Primary Disability	Tested n	Advanced %	Proficient %	Novice %	Emerging %
Autism	6572	22.4	29.8	21	26.8
Deaf-Blind	19	10.5	5.3	5.3	78.9
Deafness / Hearing Impairment	121	12.4	41.3	27.3	19
Emotional Disturbance	341	48.7	38.1	8.2	5
Intellectual Disability	7409	26.7	38	20.1	15.1
Learning Disability	1690	48.7	40.7	7.3	3.3
Multiple Disabilities	1305	5.9	14.7	18.1	61.3
Orthopedic Impairment	103	23.3	46.6	13.6	16.5
Other Health Impairment	1243	38.8	39.6	13	8.6
Speech / Language Impairment	135	34.8	52.6	8.1	4.4
Traumatic Brain Injury	95	29.5	38.9	9.5	22.1
Visual Impairment	142	21.8	14.8	15.5	47.9
Level A					
Primary Disability	Tested n	Advanced %	Proficient %	Novice %	Emerging %
Autism	3464	17.1	21.2	23.4	38.3
Deaf-Blind	16	6.3	6.3	0	87.5
Deafness / Hearing Impairment	53	15.1	34	20.8	30.2
Emotional Disturbance	103	68.9	23.3	3.9	3.9
Intellectual Disability	3563	27.9	29.3	21.9	20.8
Learning Disability	320	75	20.6	3.1	1.3
Multiple Disabilities	1141	4	11	17.5	67.4
Orthopedic Impairment	43	23.3	34.9	11.6	30.2
Other Health Impairment	414	44.4	26.1	16.7	12.8
Speech / Language Impairment	45	48.9	31.1	11.1	8.9
Traumatic Brain Injury	41	26.8	24.4	9.8	39
Visual Impairment	101	9.9	8.9	16.8	64.4
Level B					
Primary Disability	Tested n	Advanced %	Proficient %	Novice %	Emerging %
Autism	2091	30.2	34.9	20.4	14.6
Deaf-Blind	3	33.3	0	33.3	33.3
Deafness / Hearing Impairment	44	11.4	43.2	34.1	11.4
Emotional Disturbance	160	45.6	41.9	10	2.5
Intellectual Disability	2816	28.7	42.3	19.4	9.6
Learning Disability	753	52.3	37.6	7.7	2.4
Multiple Disabilities	134	19.4	38.8	23.1	18.7
Orthopedic Impairment	42	31	47.6	16.7	4.8
Other Health Impairment	520	42.7	40.6	11.2	5.6
Speech / Language Impairment	60	31.7	58.3	6.7	3.3
Traumatic Brain Injury	31	35.5	45.2	12.9	6.5
Visual Impairment	31	51.6	22.6	16.1	9.7

Table 26 (con't) Number and Percentage of Students Classified at Each Performance Level by Primary Disability - ELA

Level C					
Primary Disability	Tested n	Advanced %	Proficient %	Novice %	Emerging %
Autism	1017	24.7	48.7	14.1	12.6
Deaf-Blind	0	0	0	0	0
Deafness / Hearing Impairment	24	8.3	54.2	29.2	8.3
Emotional Disturbance	78	28.2	50	10.3	11.5
Intellectual Disability	1030	17.3	56.5	15.9	10.3
Learning Disability	617	30.6	54.9	8.9	5.5
Multiple Disabilities	30	16.7	46.7	16.7	20
Orthopedic Impairment	18	24.6	56	11.3	8.1
Other Health Impairment	309	5.6	72.2	11.1	11.1
Speech / Language Impairment	30	20	73.3	6.7	0
Traumatic Brain Injury	23	26.1	56.5	4.3	13
Visual Impairment	10	50	50	0	0

Table 27. Number and Percentage of Students Classified at Each Performance Level by Primary Disability - Math

Overall					
Primary Disability	Tested n	Advanced %	Proficient %	Novice %	Emerging %
Autism	6558	21.7	32.1	21.3	24.8
Deaf-Blind	19	5.3	10.5	10.5	73.7
Deafness / Hearing Impairment	121	18.2	48.8	19	14
Emotional Disturbance	340	32.6	40	19.1	8.2
Intellectual Disability	7399	20.1	36.7	27.3	15.9
Learning Disability	1688	37.1	44.3	15	3.6
Multiple Disabilities	1291	4.4	17.3	17.4	61
Orthopedic Impairment	102	9.8	39.2	28.4	22.5
Other Health Impairment	1241	26	37.5	25.8	10.7
Speech / Language Impairment	135	31.9	43.7	17.8	6.7
Traumatic Brain Injury	94	25.5	27.7	26.6	20.2
Visual Impairment	144	10.4	15.3	21.5	52.8

Level A					
Primary Disability	Tested n	Advanced %	Proficient %	Novice %	Emerging %
Autism	3553	23.1	25	15.2	36.8
Deaf-Blind	16	6.3	6.3	0	87.5
Deafness / Hearing Impairment	56	21.4	42.9	16.1	19.6
Emotional Disturbance	106	65.1	22.6	6.6	5.7
Intellectual Disability	3837	28.1	33.5	16.4	22
Learning Disability	319	80.6	17.6	0.9	0.9
Multiple Disabilities	1153	4.3	15.7	14	66
Orthopedic Impairment	47	12.8	34	17	36.2
Other Health Impairment	442	43.2	28.5	12.2	16.1
Speech / Language Impairment	47	51.1	29.8	4.3	14.9
Traumatic Brain Injury	41	24.4	26.8	14.6	34.1
Visual Impairment	110	10	12.7	10	67.3

Table 27 (con't) Number and Percentage of Students Classified at Each Performance Level by Primary Disability - Math

Level B					
Primary Disability	Tested n	Advanced %	Proficient %	Novice %	Emerging %
Autism	2040	21.8	32.3	35.7	10.2
Deaf-Blind	3	0	33.3	66.7	0
Deafness / Hearing Impairment	42	19	38.1	31	11.9
Emotional Disturbance	165	21.2	43.6	28.5	6.7
Intellectual Disability	2669	12.5	35	44.6	7.9
Learning Disability	750	33.3	41.9	22.9	1.9
Multiple Disabilities	110	5.5	21.8	54.5	18.2
Orthopedic Impairment	40	10	35	42.5	12.5
Other Health Impairment	521	20.9	34.2	40.5	4.4
Speech / Language Impairment	58	24.1	43.1	32.8	0
Traumatic Brain Injury	31	25.8	16.1	48.4	9.7
Visual Impairment	29	13.8	20.7	62.1	3.4

Level C					
Primary Disability	Tested n	Advanced %	Proficient %	Novice %	Emerging %
Autism	965	16.7	58.3	13.4	11.6
Deaf-Blind	0	0	0	0	0
Deafness / Hearing Impairment	23	8.7	82.6	4.3	4.3
Emotional Disturbance	69	10.1	58	15.9	15.9
Intellectual Disability	893	8.5	55.3	22.4	13.8
Learning Disability	619	19.2	61.1	12.8	6.9
Multiple Disabilities	28	3.6	64.3	10.7	21.4
Orthopedic Impairment	15	0	66.7	26.7	6.7
Other Health Impairment	278	8.3	57.9	19.8	14
Speech / Language Impairment	30	16.7	66.7	10	6.7
Traumatic Brain Injury	22	27.3	45.5	18.2	9.1
Visual Impairment	5	0	40	40	20

Table 28. Number and Percentage of Students Classified at Each Performance Level by Primary Disability - Science

Overall					
Primary Disability	Tested n	Advanced %	Proficient %	Novice %	Emerging %
Autism	2599	1.3	35.1	35	28.6
Deaf-Blind	9	0	0	22.2	77.8
Deafness / Hearing Impairment	57	1.8	33.3	42.1	22.8
Emotional Disturbance	145	6.2	69	20.7	4.1
Intellectual Disability	3265	1.6	45.6	37.4	15.5
Learning Disability	707	4.8	75.4	18.8	1
Multiple Disabilities	537	0.2	9.9	26.8	63.1
Orthopedic Impairment	48	0	39.6	41.7	18.8
Other Health Impairment	485	3.5	54.8	34.8	6.8
Speech / Language Impairment	49	4.1	67.3	24.5	4.1
Traumatic Brain Injury	40	5	52.5	25	17.5
Visual Impairment	51	0	19.6	31.4	49

Table 28 (con't) Number and Percentage of Students Classified at Each Performance Level by Primary Disability - Science

Tier 1					
Primary Disability	Tested n	Advanced %	Proficient %	Novice %	Emerging %
Autism	1396	1.1	24.1	32.4	42.4
Deaf-Blind	8	0	0	12.5	87.5
Deafness / Hearing Impairment	35	2.9	37.1	25.7	34.3
Emotional Disturbance	38	7.9	78.9	13.2	0
Intellectual Disability	1501	1.9	41.8	30.9	25.4
Learning Disability	156	10.9	82.1	5.8	1.3
Multiple Disabilities	455	0	7.7	21.1	71.2
Orthopedic Impairment	14	0	14.3	35.7	50
Other Health Impairment	168	5.4	53	28	13.7
Speech / Language Impairment	17	0	88.2	5.9	5.9
Traumatic Brain Injury	17	0	47.1	23.5	29.4
Visual Impairment	31	0	12.9	22.6	64.5
Tier 2					
Primary Disability	Tested n	Advanced %	Proficient %	Novice %	Emerging %
Autism	1203	1.6	47.7	38.1	12.6
Deaf-Blind	1	0	0	100	0
Deafness / Hearing Impairment	22	0	27.3	68.2	4.5
Emotional Disturbance	107	5.6	65.4	23.4	5.6
Intellectual Disability	1764	1.3	48.8	42.9	7.1
Learning Disability	551	3.1	73.5	22.5	0.9
Multiple Disabilities	82	1.2	22	58.5	18.3
Orthopedic Impairment	34	0	50	44.1	5.9
Other Health Impairment	317	2.5	55.8	38.5	3.2
Speech / Language Impairment	32	6.3	56.3	34.4	3.1
Traumatic Brain Injury	23	8.7	56.5	26.1	8.7
Visual Impairment	20	0	30	45	25

Table 29. Number and Percentage of English Learners Classified at Each Performance Level by Primary Disability - ELA

Overall					
Primary Disability	Tested n	Advanced %	Proficient %	Novice %	Emerging %
Autism	275	21.1	29.5	22.5	26.9
Deaf-Blind	1	0	0	100	0
Deafness / Hearing Impairment	9	0	66.7	22.2	11.1
Emotional Disturbance	10	50	40	0	10
Intellectual Disability	462	23.4	39.6	22.3	14.7
Learning Disability	152	41.4	38.2	14.5	5.9
Multiple Disabilities	53	3.8	11.3	20.8	64.2
Orthopedic Impairment	4	25	50	0	25
Other Health Impairment	79	29.1	49.4	10.1	11.4
Speech / Language Impairment	11	45.5	45.5	9.1	0
Traumatic Brain Injury	5	0	80	0	20
Visual Impairment	3	0	0	33.3	66.7

Table 29 (con't) Number and Percentage of English Learners Classified at Each Performance Level by Primary Disability - ELA

Level A					
Primary Disability	Tested n	Advanced %	Proficient %	Novice %	Emerging %
Autism	159	15.1	25.2	23.3	36.5
Deaf-Blind	0	0	0	0	0
Deafness / Hearing Impairment	1	0	100	0	0
Emotional Disturbance	6	50	33.3	0	16.7
Intellectual Disability	265	26.4	30.9	24.2	18.5
Learning Disability	47	57.4	29.8	10.6	2.1
Multiple Disabilities	50	2	12	20	66
Orthopedic Impairment	1	0	100	0	0
Other Health Impairment	38	39.5	36.8	10.5	13.2
Speech / Language Impairment	2	50	50	0	0
Traumatic Brain Injury	4	0	75	0	25
Visual Impairment	3	0	0	33.3	66.7
Level B					
Primary Disability	Tested n	Advanced %	Proficient %	Novice %	Emerging %
Autism	82	34.1	30.5	23.2	12.2
Deaf-Blind	1	0	0	100	0
Deafness / Hearing Impairment	4	0	50	25	25
Emotional Disturbance	4	50	50	0	0
Intellectual Disability	159	19.5	48.4	23.3	8.8
Learning Disability	73	41.1	41.1	12.3	5.5
Multiple Disabilities	2	50	0	50	0
Orthopedic Impairment	2	50	50	0	0
Other Health Impairment	29	20.7	62.1	6.9	10.3
Speech / Language Impairment	9	44.4	44.4	11.1	0
Traumatic Brain Injury	1	0	100	0	0
Visual Impairment	0	0	0	0	0
Level C					
Primary Disability	Tested n	Advanced %	Proficient %	Novice %	Emerging %
Autism	34	17.6	47.1	17.6	17.6
Deaf-Blind	0	0	0	0	0
Deafness / Hearing Impairment	4	0	75	25	0
Emotional Disturbance	0	0	0	0	0
Intellectual Disability	38	18.4	63.2	5.3	13.2
Learning Disability	32	18.8	43.8	25	12.5
Multiple Disabilities	1	0	0	0	100
Orthopedic Impairment	1	0	0	0	100
Other Health Impairment	12	16.7	58.3	16.7	8.3
Speech / Language Impairment	0	0	0	0	0
Traumatic Brain Injury	0	0	0	0	0
Visual Impairment	0	0	0	0	0

Table 30. Number and Percentage of English Learners Classified at Each Performance Level by Primary Disability - Math

Overall					
Primary Disability	Tested n	Advanced %	Proficient %	Novice %	Emerging %
Autism	277	25.6	34.3	18.4	21.7
Deaf-Blind	1	0	0	100	0
Deafness / Hearing Impairment	9	33.3	55.6	11.1	0
Emotional Disturbance	10	20	50	10	20
Intellectual Disability	465	22.4	35.7	28	14
Learning Disability	153	35.3	41.2	17	6.5
Multiple Disabilities	55	7.3	20	12.7	60
Orthopedic Impairment	4	0	50	50	0
Other Health Impairment	79	32.9	31.6	26.6	8.9
Speech / Language Impairment	11	54.5	27.3	18.2	0
Traumatic Brain Injury	5	20	40	40	0
Visual Impairment	3	0	33.3	0	66.7
Level A					
Primary Disability	Tested n	Advanced %	Proficient %	Novice %	Emerging %
Autism	165	30.9	23	16.4	29.7
Deaf-Blind	0	0	0	0	0
Deafness / Hearing Impairment	1	100	0	0	0
Emotional Disturbance	6	33.3	16.7	16.7	33.3
Intellectual Disability	268	31.3	32.1	16.8	19.8
Learning Disability	38	68.4	23.7	2.6	5.3
Multiple Disabilities	52	7.7	19.2	9.6	63.5
Orthopedic Impairment	1	0	0	100	0
Other Health Impairment	39	56.4	20.5	10.3	12.8
Speech / Language Impairment	2	100	0	0	0
Traumatic Brain Injury	4	25	50	25	0
Visual Impairment	3	0	33.3	0	66.7
Level B					
Primary Disability	Tested n	Advanced %	Proficient %	Novice %	Emerging %
Autism	75	20	44	29.3	6.7
Deaf-Blind	1	0	0	100	0
Deafness / Hearing Impairment	5	20	60	20	0
Emotional Disturbance	4	0	100	0	0
Intellectual Disability	165	9.1	37.6	47.9	5.5
Learning Disability	73	34.2	37	28.8	0
Multiple Disabilities	2	0	0	100	0
Orthopedic Impairment	3	0	66.7	33.3	0
Other Health Impairment	30	10	40	46.7	3.3
Speech / Language Impairment	7	42.9	28.6	28.6	0
Traumatic Brain Injury	1	0	0	100	0
Visual Impairment	0	0	0	0	0

Table 30 (con't) Number and Percentage of English Learners Classified at Each Performance Level by Primary Disability - Math

Level C					
Primary Disability	Tested n	Advanced %	Proficient %	Novice %	Emerging %
Autism	37	13.5	64.9	5.4	16.2
Deaf-Blind	0	0	0	0	0
Deafness / Hearing Impairment	3	33.3	66.7	0	0
Emotional Disturbance	0	0	0	0	0
Intellectual Disability	32	15.6	56.3	18.8	9.4
Learning Disability	42	7.1	64.3	9.5	19
Multiple Disabilities	1	0	100	0	0
Orthopedic Impairment	0	0	0	0	0
Other Health Impairment	10	10	50	30	10
Speech / Language Impairment	2	50	50	0	0
Traumatic Brain Injury	0	0	0	0	0
Visual Impairment	0	0	0	0	0

Table 31. Number and Percentage of English Learners Classified at Each Performance Level by Primary Disability - Science

Overall					
Primary Disability	Tested n	Advanced %	Proficient %	Novice %	Emerging %
Autism	93	1.1	41.9	33.3	23.7
Deaf-Blind	1	0	0	100	0
Deafness / Hearing Impairment	4	0	25	75	0
Emotional Disturbance	3	0	100	0	0
Intellectual Disability	214	0.5	45.3	41.1	13.1
Learning Disability	70	2.9	67.1	30	0
Multiple Disabilities	25	0	0	28	72
Orthopedic Impairment	1	0	100	0	0
Other Health Impairment	24	0	66.7	25	8.3
Speech / Language Impairment	1	0	0	100	0
Traumatic Brain Injury	3	0	33.3	66.7	0
Visual Impairment	1	0	100	0	0

Tier 1					
Primary Disability	Tested n	Advanced %	Proficient %	Novice %	Emerging %
Autism	60	1.7	33.3	28.3	36.7
Deaf-Blind	0	0	0	0	0
Deafness / Hearing Impairment	1	0	0	100	0
Emotional Disturbance	1	0	100	0	0
Intellectual Disability	123	0.8	46.3	33.3	19.5
Learning Disability	24	4.2	75	20.8	0
Multiple Disabilities	22	0	0	18.2	81.8
Orthopedic Impairment	0	0	0	0	0
Other Health Impairment	11	0	72.7	9.1	18.2
Speech / Language Impairment	0	0	0	0	0
Traumatic Brain Injury	2	0	50	50	0
Visual Impairment	1	0	100	0	0

Table 31 (con't) Number and Percentage of English Learners Classified at Each Performance Level by Primary Disability - Science

Primary Disability	Tier 2				
	Tested n	Advanced %	Proficient %	Novice %	Emerging %
Autism	33	0	57.6	42.4	0
Deaf-Blind	1	0	0	100	0
Deafness / Hearing Impairment	3	0	33.3	66.7	0
Emotional Disturbance	2	0	100	0	0
Intellectual Disability	91	0	44	51.6	4.4
Learning Disability	46	2.2	63	34.8	0
Multiple Disabilities	3	0	0	100	0
Orthopedic Impairment	1	0	100	0	0
Other Health Impairment	13	0	61.5	38.5	0
Speech / Language Impairment	1	0	0	100	0
Traumatic Brain Injury	1	0	0	100	0
Visual Impairment	0	0	0	0	0

Performance Levels Overall by Ethnicity

Table 32. Number and Percentage of Students Classified at Each Performance Level by Ethnicity - ELA

Ethnicity	Overall				
	Tested n	Advanced %	Proficient %	Novice %	Emerging %
African American / Black	4487	28.0	35.7	17.4	18.9
Asian /Pacific Islander	522	16.1	27.8	23.0	33.1
Latino/ Hispanic –American	2449	26.1	34.7	18.4	20.9
Multi-Racial/Ethnic	905	28.0	33.9	16.5	21.7
Native American /Alaskan	35	17.1	31.4	14.3	37.1
White /Not Hispanic	10777	27.0	33.3	18.6	21.0

Ethnicity	Level A				
	Tested n	Advanced %	Proficient %	Novice %	Emerging %
African American / Black	2162	27.8	25.1	18.5	28.6
Asian /Pacific Islander	303	13.2	18.8	23.8	44.2
Latino/ Hispanic –American	1346	24.4	26.3	19.9	29.3
Multi-Racial/Ethnic	480	24.0	23.8	18.5	33.8
Native American /Alaskan	18	11.1	16.7	16.7	55.6
White /Not Hispanic	4995	22.1	22.0	21.7	34.1

Ethnicity	Level B				
	Tested n	Advanced %	Proficient %	Novice %	Emerging %
African American / Black	1645	31.2	42.4	16.9	9.5
Asian /Pacific Islander	158	22.8	36.7	24.1	16.5
Latino/ Hispanic –American	785	29.7	42.3	18.9	9.2
Multi-Racial/Ethnic	297	39.4	38.4	13.8	8.4
Native American /Alaskan	11	27.3	36.4	18.2	18.2
White /Not Hispanic	3789	34.8	37.6	17.5	10.2

Table 32 (con't). Number and Percentage of Students Classified at Each Performance Level by Ethnicity - ELA

Ethnicity	Level C				
	Tested n	Advanced %	Proficient %	Novice %	Emerging %
African American / Black	680	21.0	53.2	15.1	10.6
Asian /Pacific Islander	61	13.1	49.2	16.4	21.3
Latino/ Hispanic –American	318	23.9	51.6	10.7	13.8
Multi-Racial/Ethnic	128	16.4	61.7	14.8	7.0
Native American /Alaskan	6	16.7	66.7	0.0	16.7
White /Not Hispanic	1993	24.7	53.6	12.8	8.8

Table 33. Number and Percentage of Students Classified at Each Performance Level by Ethnicity - Math

Ethnicity	Overall				
	Tested n	Advanced %	Proficient %	Novice %	Emerging %
African American / Black	4479	24.2	33.1	24.1	18.6
Asian /Pacific Islander	519	18.7	30.4	20.8	30.1
Latino/ Hispanic –American	2445	25.5	32.4	20.6	21.5
Multi-Racial/Ethnic	902	21.5	34.7	21.7	22.1
Native American /Alaskan	35	22.9	28.6	28.6	20.0
White /Not Hispanic	10752	19.9	35.7	23.4	21.0

Ethnicity	Level A				
	Tested n	Advanced %	Proficient %	Novice %	Emerging %
African American / Black	2284	31.8	26.4	13.3	28.5
Asian /Pacific Islander	305	17.4	21.0	17.0	44.6
Latino/ Hispanic –American	1367	30.1	26.5	12.3	31.2
Multi-Racial/Ethnic	487	25.1	26.3	16.0	32.6
Native American /Alaskan	19	15.8	26.3	26.3	31.6
White /Not Hispanic	5265	23.1	28.1	15.7	33.2

Ethnicity	Level B				
	Tested n	Advanced %	Proficient %	Novice %	Emerging %
African American / Black	1604	17.8	34.7	40.5	7.1
Asian /Pacific Islander	147	23.1	37.4	30.6	8.8
Latino/ Hispanic –American	785	21.1	34.8	37.2	6.9
Multi-Racial/Ethnic	290	20.3	37.2	35.5	6.9
Native American /Alaskan	12	41.7	8.3	41.7	8.3
White /Not Hispanic	3620	18.5	34.6	38.6	8.3

Table 33 (con't) Number and Percentage of Students Classified at Each Performance Level by Ethnicity - Math

Ethnicity	Level C				
	Tested	Advanced	Proficient	Novice	Emerging
	n	%	%	%	%
African American / Black	591	12	55.2	21.8	11
Asian /Pacific Islander	67	14.9	58.2	16.4	10.4
Latino/ Hispanic –American	293	15.7	53.9	15	15.4
Multi-Racial/Ethnic	125	10.4	61.6	12	16
Native American /Alaskan	4	0	100	0	0
White /Not Hispanic	1867	13.9	59.5	15.6	10.9

Table 34. Number and Percentage of Students Classified at Each Performance Level by Ethnicity - Science

Ethnicity	Overall				
	Tested	Advanced	Proficient	Novice	Emerging
	n	%	%	%	%
African American / Black	1835	1.2	44.9	34.1	19.8
Asian /Pacific Islander	201	0.0	26.9	42.3	30.8
Latino/ Hispanic –American	975	1.3	43.4	33.0	22.3
Multi-Racial/Ethnic	303	1.3	47.2	34.0	17.5
Native American /Alaskan	14	7.1	28.6	35.7	28.6
White /Not Hispanic	4664	2.4	43.0	33.2	21.4

Ethnicity	Tier 1				
	Tested	Advanced	Proficient	Novice	Emerging
	n	%	%	%	%
African American / Black	925	1.6	39.6	26.4	32.4
Asian /Pacific Islander	116	0.0	20.7	37.1	42.2
Latino/ Hispanic –American	549	1.8	38.6	25.7	33.9
Multi-Racial/Ethnic	148	1.4	35.1	34.5	29.1
Native American /Alaskan	9	0.0	22.2	33.3	44.4
White /Not Hispanic	2089	2.2	30.3	29.6	37.9

Ethnicity	Tier 2				
	Tested	Advanced	Proficient	Novice	Emerging
	n	%	%	%	%
African American / Black	910	0.8	50.2	42.0	7.0
Asian /Pacific Islander	85	0.0	35.3	49.4	15.3
Latino/ Hispanic –American	426	0.7	49.5	42.5	7.3
Multi-Racial/Ethnic	155	1.3	58.7	33.5	6.5
Native American /Alaskan	5	20.0	40.0	40.0	0.0
White /Not Hispanic	2575	2.5	53.3	36.2	8.0

Performance Levels Overall by Economic Status

Table 35. Number and Percentage of Economically Disadvantaged Students Classified at Each Performance Level

Level	Total n	Advanced %	Proficient %	Novice %	Emerging %
ELA					
A	5553	28.9	24.3	18.9	27.8
B	4375	35	40.7	16.3	8
C	2030	22.8	55.4	12.7	9.2
Total	11958	30.1	35.6	16.9	17.4
Math					
A	5841	31.6	27.4	13.5	27.6
B	4260	19.6	36.6	37.3	6.5
C	1837	13.2	58	18	10.8
Total	11938	24.5	35.4	22.7	17.4
Science					
Tier 1	2315	2.2	40.4	26.9	30.5
Tier 2	2657	2.1	56	35.8	6.1
Total	4972	2.2	48.7	31.6	17.5

Performance Levels Overall for English Learner Students

Table 36. Number and Percentage of English Learners Classified at Each Performance Level

Level	Total n	Advanced %	Proficient %	Novice %	Emerging %
ELA					
A	576	24.5	28.5	21	26
B	366	28.1	43.7	19.4	8.7
C	122	17.2	52.5	15.6	14.8
Total	1064	24.9	36.5	19.8	18.8
Math					
A	579	33.3	26.8	14.7	25.2
B	366	16.9	39.6	39.3	4.1
C	127	12.6	61.4	11.8	14.2
Total	1072	25.3	35.3	22.8	16.7
Science					
Tier 1	245	1.2	43.3	28.6	26.9
Tier 2	195	0.5	51.3	46.2	2.1
Total	440	0.9	46.8	36.4	15.9

Performance Levels Overall for Students Using Accommodations

Table 37. Number and Percentage of Students Classified at Each Performance Level using Accommodations-ELA

Level	Total n	Advanced %	Proficient %	Novice %	Emerging %
Used Sign Language					
A	91	11	20.9	25.3	42.9
B	34	8.8	41.2	26.5	23.5
C	15	13.3	73.3	6.7	6.7
Total	140	10.7	31.4	23.6	34.3
Used Interpreter					
A	39	12.8	15.4	25.6	46.2
B	16	12.5	31.3	31.3	25
C	6	16.7	83.3	0	0
Total	61	13.1	26.2	24.6	36.1
Used Tactual					
A	30	16.7	13.3	10	60
B	8	37.5	50	12.5	0
C	3	66.7	33.3	0	0
Total	41	24.4	22	9.8	43.9
Used Objects					
A	29	10.3	20.7	13.8	55.2
B	12	41.7	16.7	8.3	33.3
C	9	22.2	55.6	11.1	11.1
Total	50	20	26	12	42
Used Assistive Technology					
A	183	5.5	10.9	21.3	62.3
B	17	29.4	23.5	41.2	5.9
C	9	33.3	55.6	0	11.1
Total	209	8.6	13.9	22	55.5
Used Eye Gaze					
A	99	7.1	9.1	16.2	67.7
B	3	33.3	0	66.7	0
C	0	0	0	0	0
Total	102	7.8	8.8	17.6	65.7

Table 38. Number and Percentage of Students Classified at Each Performance Level using Accommodations-Math

Level	Total n	Advanced %	Proficient %	Novice %	Emerging %
Used Sign Language					
A	92	10.9	29.3	22.8	37
B	29	20.7	34.5	31	13.8
C	15	13.3	80	6.7	0
Total	136	13.2	36	22.8	27.9
Used Interpreter					
A	38	10.5	26.3	28.9	34.2
B	16	18.8	25	43.8	12.5
C	5	20	60	20	0
Total	59	13.6	28.8	32.2	25.4
Used Tactual					
A	48	10.4	14.6	10.4	64.6
B	11	9.1	0	90.9	0
C	2	0	0	50	50
Total	61	9.8	11.5	26.2	52.5
Used Objects					
A	96	19.8	24	14.6	41.7
B	84	16.7	29.8	45.2	8.3
C	40	10	62.5	10	17.5
Total	220	16.8	33.2	25.5	24.5
Used Assistive Technology					
A	166	6.6	14.5	15.7	63.3
B	24	4.2	20.8	54.2	20.8
C	11	9.1	54.5	18.2	18.2
Total	201	6.5	17.4	20.4	55.7
Used Eye Gaze					
A	102	5.9	13.7	5.9	74.5
B	0	0	0	0	0
C	0	0	0	0	0
Total	102	5.9	13.7	5.9	74.5

Table 39. Number and Percentage of Students Classified at Each Performance Level using Accommodations-Science

Level	Total n	Advanced %	Proficient %	Novice %	Emerging %
Used Sign Language					
Tier 1	44	2.3	20.5	31.8	45.5
Tier 2	13	0	15.4	76.9	7.7
Total	57	1.8	19.3	42.1	36.8
Used Interpreter					
Tier 1	19	5.3	26.3	21.1	47.4
Tier 2	6	0	16.7	83.3	0
Total	25	4.0	24.0	36.0	36.0
Used Tactual					
Tier 1	16	0	18.8	18.8	62.5
Tier 2	7	0	14.3	57.1	28.6
Total	23	0	17.4	30.4	52.2
Used Objects					
Tier 1	8	0	12.5	12.5	75
Tier 2	3	0	0	33.3	66.7
Total	11	0	9.1	18.2	72.7
Used Assistive Technology					
Tier 1	60	0	8.3	16.7	75
Tier 2	19	0	47.4	36.8	15.8
Total	79	0	17.7	21.5	60.8
Used Eye Gaze					
Tier 1	45	0	8.9	15.6	75.6
Tier 2	0	0	0	0	0
Total	45	0	8.9	15.6	75.6

Performance Levels by Recording Medium

Table 40. Number and Percentage of Students Classified at Each Performance Level by Assessment Medium

Video								
Level	Advanced		Proficient		Novice		Emerging	
	n	%	n	%	n	%	n	%
ELA								
A	2186	23.7	2162	23.4	1916	20.7	2981	32.2
B	2214	33.3	2626	39.5	1167	17.6	644	9.7
C	740	23.3	1705	53.7	421	13.3	307	9.7
Total	5140	27.0	6493	34.1	3504	18.4	3932	26.8
Math								
A	2523	26.1	2630	27.2	1426	14.8	3083	31.9
B	1215	18.9	2244	34.9	2487	38.7	482	7.5
C	399	13.6	1709	58.4	491	16.8	330	11.3
Total	4137	21.8	6583	34.6	4404	23.2	3895	20.5
Science								
Tier 1	73	1.9	1284	33.8	1096	28.8	1349	35.5
Tier 2	78	1.9	2160	52.3	1585	38.4	309	7.5
Total	151	2.9	3444	43.4	2681	33.8	1658	20.9
Narrative Notes								
Level	Advanced		Proficient		Novice		Emerging	
	n	%	n	%	n	%	n	%
ELA								
A	6	20.7	6	20.7	2	6.9	15	51.7
B	5	35.7	7	50.0	1	7.1	1	7.1
C	1	33.3	1	33.3	1	33.3	0	0.0
Total	12	26.1	14	30.4	4	8.7	16	34.8
Math								
A	6	21.4	5	17.9	6	21.4	11	39.3
B	1	8.3	2	16.7	7	58.3	2	16.7
C	1	16.7	5	83.3	0	0.0	0	0.0
Total	8	17.4	12	26.1	13	15.4	13	33.3
Science								
Tier 1	0	0.0	3	27.3	3	27.3	5	45.5
Tier 2	0	0.0	2	28.6	3	42.9	2	28.6
Total	0	0.0	5	27.8	6	33.3	7	38.9

Comparison of PASA Results for 2015-2016, 2016-2017, and 2017-2018

The purpose of this section of the report is to show how students performed on the *PASA* over the past three years in all content areas. The tables capture the state’s overall performance results for 2018 by grade level and compares it to the state’s results for the years preceding.

Table 41. Percentage of Students Scoring Proficient and Advanced for the Past Three Years³

Content	Level A			Level B			Level C		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
ELA	40.2%	46.5%	46.8%	52.9%	66.8%	72.4%	60.1%	75.5%	76.7%
Math	30.0%	38.9%	53.1%	41.2%	56.1%	53.6%	46.5%	63.9%	71.8%
	Tier 1			Tier 2					
	2016	2017	2018	2016	2017	2018			
Science	45.1%	38.3%	35.5%	52.4%	53.1%	54.0%			

³ The ‘Advanced’ performance category was not used prior to 2016 for Level A and Level B tests. Prior to 2016, the *PASA-Science* test had three levels (A, B, and C), just as *PASA-ELA* and *PASA-Math*.

Table 42. Current and Past Results by Performance Category for Students Who Completed the Assessment - ELA

Year	Advanced %	Proficient %	Novice %	Emerging %	Proficient and Above %
Overall					
2018	27	34	18	21	61
2017	37	22	15	27	59
2016	5	46	33	16	51
Grade 3					
2018	31	31	17	21	62
2017	44	15	12	28	60
2016	2	48	32	19	50
Grade 4					
2018	30	32	16	22	62
2017	48	17	11	24	65
2016	4	48	32	16	52
Grade 5					
2018	33	30	16	20	63
2017	25	30	17	28	55
2016	4	44	35	17	48
Grade 6					
2018	31	32	17	20	63
2017	38	24	11	28	62
2016	6	44	31	19	50
Grade 7					
2018	18	38	22	22	56
2017	36	21	13	31	57
2016	6	44	35	15	50
Grade 8					
2018	22	39	20	19	61
2017	36	20	18	26	56
2016	10	42	34	14	52
Grade 11					
2018	23	36	19	22	59
2017	32	24	20	24	56
2016	6	51	30	13	57

Table 43. Current and Past Results by Performance Category for Students Who Completed the Assessment – Math

Year	Advanced %	Proficient %	Novice %	Emerging %	Proficient and Above %
Overall					
2018	22	35	23	20	57
2017	21	28	21	30	49
2016	3	36	33	28	39
Grade 3					
2018	25	31	19	25	56
2017	23	32	19	25	56
2016	1	38	31	30	39
Grade 4					
2018	34	27	19	20	61
2017	29	30	17	23	60
2016	2	41	32	25	43
Grade 5					
2018	24	31	22	23	55
2017	28	23	25	24	51
2016	5	40	31	25	45
Grade 6					
2018	26	34	22	19	60
2017	21	22	27	30	43
2016	7	43	25	26	50
Grade 7					
2018	10	40	29	21	50
2017	17	33	15	36	49
2016	2	27	40	31	29
Grade 8					
2018	16	41	25	18	57
2017	15	28	25	31	44
2016	3	28	40	30	31
Grade 11					
2018	15	38	27	20	53
2017	8	31	19	41	40
2016	3	35	33	29	38

Table 44. Current and Past Results by Performance Category for Students Who Completed the Assessment – Science

Year	Advanced %	Proficient %	Novice %	Emerging %	Proficient and Above %
Overall					
2018	2	43	34	21	45
2017	3	44	34	19	46
2016	5	44	34	18	49
Grade 4					
2018	2	43	31	24	45
2017	3	42	33	22	45
2016	5	49	27	19	54
Grade 8					
2018	2	43	36	19	45
2017	3	45	36	16	48
2016	5	45	36	15	50
Grade 11					
2018	2	43	34	21	45
2017	3	44	34	19	47
2016	4	40	38	18	44