



2018 Georgia Milestones End-of-Course Assessment Brief July 2018

On July 27, 2018, the state released the results for the 2018 Georgia Milestone End-of-Course (EOC) spring assessments. Winter results were released earlier this year. This is the fourth year the assessment has been administered.

Student learning is assessed along four levels of performance: *Beginning Learner*, *Developing Learner*, *Proficient Learner*, and *Distinguished Learner*. Each level provides information based on students' mastery of the content standards. According to the Georgia Department of Education (GaDOE):

Distinguished Learners demonstrate advanced proficiency in the knowledge and skills necessary at this grade level/course of learning... and are well prepared for the next grade level or course.

Proficient Learners demonstrate proficiency in the knowledge and skills necessary at this grade level/course of learning... and are prepared for the next grade level or course.

Developing Learners demonstrate partial proficiency in the knowledge and skills necessary at this grade level/course of learning... and need additional academic support to ensure success in the next grade level or course.

Beginning Learners do not yet demonstrate proficiency in the knowledge and skills necessary at this grade level/course of learning... and need substantial academic support to be prepared for the next grade level or course.

Previously, Atlanta Public Schools (APS) reported results using the percentage of students scoring developing and above. This year, in alignment with the state, APS is focusing on the two highest levels of performance: proficient and distinguished. All data presented in this summary is an aggregate of winter, spring, and mid-month EOC results. All figures in this brief have been rounded to the tenth decimal place, however differences in results are calculated prior to rounding.

2018 Results: Georgia Milestones End-of-Course Exams

Table 1 shows the percentage of Atlanta Public School (APS) students scoring in each performance level (beginning, developing, proficient, and distinguished). The percentage of students scoring at proficient and above ranged from 14.4 (Physical Science) to 35.7 (Ninth Grade Literature & Composition). In all subjects, the majority of students scored at the beginning or developing levels. Biology had the highest percentage of distinguished learners at 9.8 percent, followed by American Literature & Composition at 8.7 percent and United States History at 8.2 percent.

Table 1: APS 2018 Georgia Milestones EOC Results by Subject

Subject	Beginning Learner	Developing Learner	Proficient Learner	Distinguished Learner	Proficient and Above
Algebra I	51.0%	29.5%	14.0%	5.5%	19.5%
American Literature & Composition	32.3%	34.4%	24.6%	8.7%	33.2%
Biology	47.7%	21.5%	21.2%	9.8%	30.9%
Economics/Business/Free Enterprise	39.4%	29.4%	26.2%	5.1%	31.3%
Geometry	51.5%	26.5%	15.5%	6.6%	22.1%
Ninth Grade Literature & Composition	32.0%	32.3%	28.4%	7.2%	35.7%
Physical Science	60.4%	25.2%	9.0%	5.4%	14.4%
United States History	37.6%	30.6%	23.6%	8.2%	31.8%

Table 2 shows how the percentage of students scoring proficient and above compares to the state. APS performs below the state in all subjects, with the greatest gap in Physical Science (-25.5) and the smallest gap in American Literature (-11.6). Many APS students take Physics rather than Physical Science.

Table 2: APS Comparison to Georgia, 2018 Milestone EOC Results, Proficient and Above

Subject	APS	Georgia*	Difference
Algebra I	19.5%	37.0%	-17.5
American Literature & Composition	33.2%	44.9%	-11.6
Biology	30.9%	48.0%	-17.1
Economics/Business/Free Enterprise	31.3%	47.3%	-16.0
Geometry	22.1%	43.2%	-21.2
Ninth Grade Literature & Composition	35.7%	49.9%	-14.2
Physical Science	14.4%	39.8%	-25.5
United States History	31.8%	46.8%	-15.0

*State data reported as whole number percentages by subject and administration (winter and spring).

Table 3 compares the past four years of APS results. Between 2017 and 2018, APS saw a gain in the percentage of students scoring Proficient and above in three of the eight tested subjects. United States History had the highest gain over last year, with a 2.5 percentage point increase in students scoring at proficient or above followed by Biology (1.7) and Algebra I (1.8). Geometry saw the largest decline (-2.5). Additional school-level detail can be found in Appendix A (ELA and Math) and Appendix B (Science and Social Studies).

Table 3: APS Year over Year Milestones Comparison, Proficient and Above

Subject	2015	2016	2017	2018	Difference 2017 to 2018
Algebra I	N/A	23.3%	17.7%	19.5%	1.8
American Literature & Composition	28.9%	30.8%	35.0%	33.2%	-1.7
Biology	24.2%	28.9%	29.2%	30.9%	1.7
Economics/Business/Free Enterprise	26.3%	29.5%	31.7%	31.3%	-0.5
Geometry	N/A	N/A	24.5%	22.1%	-2.5
Ninth Grade Literature & Composition	31.8%	27.4%	36.5%	35.7%	-0.9
Physical Science	7.4%	5.8%	15.2%	14.4%	-0.8
United States History	26.4%	29.9%	29.3%	31.8%	2.5

Table 4 shows the gap between APS and the state in the percentage of students scoring proficient and above for the past four years. For example, the APS percentage of students scoring proficient and above in Biology in 2017 was 15.3 percentage points below the state. In 2018 the gap is 17.1 percentage points, which is an increase in gap size of 1.8 percentage points. Between 2017 and 2018, APS narrowed its gap in performance with the state in United States History (-0.5).

Table 4: APS Milestones EOC Gap with Georgia, Proficient and Above*

Subject	2015	2016	2017	2018	State Gap Change (2017 to 2018)
Algebra I	N/A	-12.7	-16.9	-17.5	0.5
American Literature & Composition	-7.3	-10.2	-11.5	-11.6	0.2
Biology	-13.8	-13.3	-15.3	-17.1	1.8
Economics/Business/Free Enterprise	-12.4	-15.0	-12.4	-16.0	3.6
Geometry	N/A	N/A	-18.9	-21.2	2.2
Ninth Grade Literature & Composition	-6.5	-12.5	-13.7	-14.2	0.5
Physical Science	-22.5	-27.4	-21.6	-25.5	3.8
United States History	-12.9	-13.4	-15.4	-15.0	-0.5

*State data reported as whole number percentages by subject and administration (winter and spring).

Disaggregated Results: Race and Ethnicity

Table 5 shows the percentage of students scoring proficient and above by race/ethnicity. In all subjects, white students performed above APS and the state. Black students performed below the district and state averages in all subjects.

Table 5: 2018 Milestones EOC Results: Race/Ethnicity, Proficient and Above

Subject	Black	Hispanic	White	Entire District	Entire State*
Algebra I	12.5%	19.9%	69.8%	19.5%	37.0%
American Literature & Composition	24.5%	37.2%	88.5%	33.2%	44.9%
Biology	22.1%	28.4%	86.2%	30.9%	48.0%
Economics/Business/Free Enterprise	24.1%	28.3%	78.8%	31.3%	47.3%
Geometry	14.2%	20.8%	73.1%	22.1%	43.2%
Ninth Grade Literature & Composition	27.5%	37.5%	89.1%	35.7%	49.9%
Physical Science	6.3%	16.2%	87.8%	14.4%	39.8%
United States History	23.8%	36.3%	85.3%	31.8%	46.8%

*State data reported as whole number percentages by subject and administration (winter and spring).

The black-white achievement gap remains. Table 6 shows the percentage of black and white students scoring proficient and above for the past two Milestones administrations, as well as the achievement gap for each year. In 2018, the gap in the percentage of students scoring proficient and above between white and black students ranged from 54.6 percentage points (Economics) to 81.5 percentage points (Physical Science). Between 2017 and 2018 the achievement gap narrowed in Geometry and Ninth Grade Literature & Composition. Physical Science saw a large increase (16.9 percentage points) in the difference between white and black students scoring Proficient and Above, but performance on the Physical Science exam may fluctuate due to course taking patterns (students may take Physics in lieu of Physical Science).

Table 6: APS Milestones EOC Results: Black-White Achievement Gap, Proficient and Above

Subject	2017		2018		Achievement Gap		
	Black	White	Black	White	2017	2018	Change 2017 to 2018
Algebra I	11.0%	67.2%	12.5%	69.8%	56.2	57.2	1.0
American Literature & Composition	26.0%	90.0%	24.5%	88.5%	64.1	64.0	0.0
Biology	20.7%	83.3%	22.1%	86.2%	62.6	64.1	1.5
Economics/Business/Free Enterprise	24.9%	76.3%	24.1%	78.8%	51.4	54.6	3.3
Geometry	15.1%	79.4%	14.2%	73.1%	64.3	58.8	-5.4
Ninth Grade Literature & Composition	28.9%	90.7%	27.5%	89.1%	61.8	61.6	-0.2
Physical Science	8.4%	73.0%	6.3%	87.8%	64.6	81.5	16.9
United States History	22.3%	80.4%	23.8%	85.3%	58.1	61.5	3.4

School Results by Subject

The percentages of students scoring proficient and above for each subject. The darker the green, the higher the school's performance compared to other APS schools for that subject. Only high school students (grades 9-12) are included in these figures.

Table 7: 2018 Milestones EOC Results by High School Grades, Proficient and Above

School	Algebra I	American Literature & Composition	Biology	Economics/ Business/ Free Enterprise	Geometry	Ninth Grade Literature & Composition	Physical Science	United States History
BEST MS/HS	4.5%	22.4%	15.8%	3.8%	13.4%	19.4%	3.1%	15.3%
Carver Early	27.4%	40.9%	23.6%	71.6%	48.8%	30.6%		41.7%
Carver HS	0.5%	5.7%	5.0%	0.8%	1.9%	10.0%	1.9%	4.3%
Carver Tech				25.7%				
Classical	14.8%	91.2%	44.7%		23.1%	70.5%		
Crim	0.0%	0.0%	0.0%	0.0%	0.0%	3.7%	0.0%	5.0%
CSK	7.5%	25.0%	8.2%	15.7%	16.3%	38.3%	0.0%	12.7%
Douglass	2.5%	7.6%	7.4%	12.9%	1.6%	10.7%	2.9%	9.4%
Drew Secondary	42.0%	64.7%	72.2%	32.1%	42.6%	68.0%		62.4%
Forrest Hill	0.0%		0.0%	0.0%	0.0%	3.3%	0.0%	12.5%
Grady	29.7%	64.3%	61.2%	57.5%	58.8%	67.0%		56.3%
Jackson High	19.6%	29.3%	41.4%	15.2%	26.9%	41.7%	3.4%	42.6%
KIPP Collegiate	15.3%	34.4%	28.8%	42.2%	27.2%	39.3%		41.6%
Mays	6.1%	21.5%	17.5%	18.6%	5.6%	23.9%	6.5%	12.4%
North Atlanta	32.4%	54.6%	51.6%	46.6%	38.6%	60.6%	44.7%	57.4%
South Atlanta	5.7%	16.0%	28.2%	49.7%	4.6%	22.0%	13.7%	13.4%
Therrell	7.3%	26.1%	18.3%	26.5%	7.6%	26.6%	3.0%	20.6%
Washington	6.5%	20.5%	17.1%	23.1%	13.5%	14.1%	5.0%	19.1%

Results with fewer than 15 students have been suppressed.

Summary

In the 2017-18 school year, the percentage of students scoring proficient and above on EOC assessments was highest in Ninth Grade Literature & Composition at 35.7 percent and lowest in Physical Science at 14.4 percent. Compared to results in 2017, APS saw a gain in the percentage of students scoring proficient and above in three of the eight tested subjects. United States History had the highest gain over last year with a 2.5 percentage point increase in students scoring proficient or above, followed by Biology (1.7) and Algebra I (1.8). The achievement gap between black and white students remains high, ranging from 54.6 percentage points (Economics) to 81.5 percentage points (Physical Science).

Appendix A: Year over Year Milestones EOC Comparison: ELA and Math, Proficient and Above

Subject	Ninth Grade Literature & Composition		American Literature & Composition		Algebra I		Geometry	
School	2018	Difference from 2017	2018	Difference from 2017	2018	Difference from 2017	2018	Difference from 2017
BEST MS/HS	19.4%	6.0	22.4%	2.7	4.5%	0.0	13.4%	-2.6
Carver Early	30.6%	-14.4	40.9%	13.6	27.4%	-17.8	48.8%	9.0
Carver HS	10.0%	4.0	5.7%	-1.2	0.5%	-0.4	1.9%	-1.0
Classical	70.5%	-8.8	91.2%	91.2	14.8%	14.8	23.1%	-29.9
Crim	3.7%	-9.6	0.0%	-16.1	0.0%	0.0	0.0%	0.0
CSK	38.3%	3.8	25.0%	-10.3	7.5%	4.6	16.3%	11.8
Douglass	10.7%	-6.6	7.6%	-12.2	2.5%	-2.2	1.6%	-4.8
Drew Secondary	68.0%	9.7	64.7%	11.1	42.0%	19.5	42.6%	-0.7
Forrest Hill	3.3%	-1.7			0.0%	0.0	0.0%	0.0
Grady	67.0%	2.5	64.3%	-0.2	29.7%	5.0	58.8%	5.3
Jackson High	41.7%	-7.9	29.3%	1.3	19.6%	1.4	26.9%	-7.7
KIPP Collegiate	39.3%	-7.0	34.4%	-1.7	15.3%	-3.0	27.2%	19.6
Mays	23.9%	1.1	21.5%	-1.6	6.1%	3.3	5.6%	0.6
North Atlanta	60.6%	-2.4	54.6%	-11.7	32.4%	10.1	38.6%	-11.8
South Atlanta	22.0%	5.4	16.0%	-3.4	5.7%	3.4	4.6%	-3.2
Therrell	26.6%	-0.1	26.1%	-2.0	7.3%	4.5	7.6%	-2.0
Washington	14.1%	-3.8	20.5%	1.4	6.5%	-2.0	13.5%	-2.6

Results with fewer than 15 students have been suppressed. Only high school grades are included.

Appendix B: Year over Year Milestones EOC Comparison: Science and Social Studies, Proficient and Above

Subject	Biology		Physical Science		United States History		Economics/Business/ Free Enterprise	
	2018	Difference from 2017	2018	Difference from 2017	2018	Difference from 2017	2018	Difference from 2017
BEST MS/HS	15.8%	1.2	3.1%	-8.5	15.3%	9.5	3.8%	-11.6
Carver Early	23.6%	-30.5			41.7%	6.6	71.6%	6.2
Carver HS	5.0%	-1.8	1.9%	0.3	4.3%	0.5	0.8%	-4.9
Carver Tech							25.7%	-1.9
Classical	44.7%	-12.5						
Crim	0.0%	-6.7	0.0%	-6.7	5.0%	-3.3	0.0%	-11.4
CSK	8.2%	3.5	0.0%	-1.4	12.7%	-17.9	15.7%	-20.0
Douglass	7.4%	-1.0	2.9%	-0.1	9.4%	-11.8	12.9%	4.2
Drew Secondary	72.2%	72.2			62.4%	27.8	32.1%	-9.4
Forrest Hill	0.0%	0.0	0.0%	0.0	12.5%	12.5	0.0%	0.0
Grady	61.2%	3.2			56.3%	5.5	57.5%	-1.8
Jackson High	41.4%	-0.1	3.4%	-3.3	42.6%	5.5	15.2%	-4.3
KIPP Collegiate	28.8%	-8.0			41.6%	-0.4	42.2%	17.2
Mays	17.5%	-5.7	6.5%	-8.4	12.4%	-6.1	18.6%	-4.0
North Atlanta	51.6%	1.2	44.7%	22.6	57.4%	8.9	46.6%	4.4
South Atlanta	28.2%	22.1	13.7%	4.0	13.4%	-1.7	49.7%	13.9
Therrell	18.3%	1.8	3.0%	0.2	20.6%	4.8	26.5%	1.3
Washington	17.1%	5.8	5.0%	-3.6	19.1%	2.9	23.1%	4.5

Results with fewer than 15 students have been suppressed. Only high school grades are included.