MEMORANDUM November 20, 2020

TO: Board Members

FROM: Grenita Lathan, Ph.D.

Interim Superintendent of Schools

SUBJECT: SAT RESULTS: CLASS OF 2020

CONTACT: Allison Matney, 713-556-6700

The SAT results for the graduating Class of 2020 have been released by the College Board and are provided in this report. The SAT exam was redesigned in March 2016 and consists of two subjects: Evidence-Based Reading and Writing (ERW) and Mathematics. While some students from the Class of 2017 took the old version of the SAT, the vast majority took the new version. Any performance comparisons to Class of 2017 only include the results from the new version.

Key findings include:

- The number of students who took the SAT from the Class of 2020 is 10,603, which is higher than in previous years. Students benefited from having a second SAT school day in October 2019 in addition to the regular SAT school day in the spring.
- The percentage of students tested increased to 93 percent in 2020, up from 88 percent in 2019.
- Overall, HISD students in the Class of 2020 scored lower than other graduating seniors from the state and from the total group of test takers.
- HISD performance for the Class of 2020 was the lowest among the last four classes.
- The decrease in ERW scores for HISD students was smaller while the decrease in mathematics scores for HISD students was larger compared to the state and total group from 2019 to 2020.
- The percentage of HISD students that met both benchmarks decreased for the Class of 2020.

Administrative Response

Innovation and Postsecondary Programming:

The district is committed to providing access and opportunities for students, centrally funding the PSAT for all students in grades 8–11, and the School Day SAT for 11th grade students. The purpose of offering the full suite of assessments is to provide students an opportunity to take a grade-level SAT that establishes a college-ready baseline in eighth grade, and then in grades 9–11, students will have the opportunity to improve their skills in reading, writing, and math to demonstrate college and career readiness.

The school day SAT ensures that all students in the district have access to an assessment that is required by many colleges and universities for admission. The Department of Innovation and Postsecondary Programming offers several additional supports to schools and students to build upon the successes of previous years.

The district continues to implement initiatives to encourage students to use Official SAT Practice on Khan Academy, which offers free, personalized practice, based on a student's PSAT performance. College Board research indicates that students who use Official SAT Practice on Khan Academy for at least 20 hours see, on average, a 115-point score increase. Official SAT Practice on Khan Academy remains at the forefront of the district's initiative to prepare students for PSAT and SAT exams. In 2019–2020, the district established a pilot program with Khan Academy geared towards increasing usage of the tool for SAT practice, as well as AP courses. The heart of the pilot is a "Khan District Dashboard" for school and district leadership to monitor student and teacher registration and student usage. A number of schools have been selected for the pilot that will provide live-time reporting of Khan Academy usage data and provide teachers and campus-based staff with ongoing professional development on incorporating the tool in their school day learning activities. The district expects to expand the pilot to more schools in the 2021-2022 school year and increase performance on College Board assessments and AP exams.

The Department of Innovation and Postsecondary Programming will also continue to support non-pilot campuses across the district with implementing Khan Academy, providing incentive programs for students and schools to use the tool, such as the "Khanathlon" and "Khan Ambassadors"— current students who have successfully used the tool— to promote Khan Academy to their peers. Additionally, the district is hosting a series of Saturday Academies throughout the year open to all students to receive instruction from lead teachers to prepare for the SAT, AP, and IB exams. These academies also serve as professional development opportunities for novice teachers who observe student sessions and receive resources and guidance from lead teachers. Our department also provides ELA, Social Studies, and Math content specialists to lead teacher trainings and support teachers with incorporating SAT skills and content into classroom learning activities with TEKS alignment.

Registration changes by the College Board aided the district to strategically increase participation in the school day SAT administration compared to the past. Starting in 2018, the district was able to bulk register students for the SAT, which eliminated the barrier of a student having to pre-register online in advance to test on the day of the administration.

The 2019–2020 school year included some unique first-time events that affected participation and scores. In 2019, for the first time, the Department of Innovation and Postsecondary Programming offered the Fall SAT school day exam to seniors who had not yet met the College Readiness benchmarks for math and reading or had not taken the SAT before. 5,173 seniors from the class of 2020 participated in this administration. Previously, HISD has only offered the SAT school day in the Spring to all Juniors. In the Spring and Summer of 2020, the Covid pandemic forced the cancellation of all SAT Saturday exams, and students from the Class of 2020 did not have opportunity to sit for the exam in an effort to boost scores and benchmark attainment for college admission and scholarship opportunities.

Should you have any further questions, please contact Allison Matney in Research and Accountability at (713) 556-6700.

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Attachment

cc: Superintendent's Direct Reports
Area Superintendents
School Support Officers
High School Principals
Montra Rogers
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RESEARCH

Educational Program Report

SAT RESULTS: CLASS OF 2020





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SAT Results: Class of 2020

Executive Summary

Program Description

The SAT is a college admissions exam that assesses student reasoning based on knowledge and skills developed in high school coursework. Colleges and universities use SAT scores to influence admissions decisions, recruit students, and predict performance in college courses. The SAT results for the graduating Class of 2020 have been released by the College Board and are provided in this report. In March 2016, the College Board administered the first redesigned SAT exam that included two sections: Evidence-Based Reading and Writing (ERW) and Mathematics. Because comparing the redesigned exam with prior versions is problematic, performance data are only included for the Class of 2017 on the redesigned exam. However, the participation rate for the Class of 2017 includes both the new and previous versions of the SAT. All students from the Class of 2018 and after took the new version.

Highlights

- The number of students who took the SAT from the Class of 2020 is 10,603, which is higher than in
 previous years. Students benefited from having a second SAT school day in October 2019 in addition
 to the regular SAT school day in the spring.
- The percentage of students tested increased to 93 percent in 2020, up from 88 percent in 2019.
- Overall, HISD students in the Class of 2020 scored lower than other graduating seniors from the state and from the total group of test takers.
- HISD performance for the Class of 2020 was the lowest among the last four classes.
- The decrease in ERW scores for HISD students was smaller while the decrease in mathematics scores for HISD students was larger compared to the state and total group from 2019 to 2020.
- The percentage of HISD students that met both college readiness benchmarks decreased for the Class of 2020.

Introduction

The SAT is a college admissions exam that assesses student reasoning based on knowledge and skills developed in high school coursework. Colleges and universities use SAT scores to influence admissions decisions, recruit students, and predict performance in college courses. The SAT results for the graduating Class of 2020 have been released by the College Board and are provided in this report. In March 2016, the College Board administered the first redesigned SAT exam that included two sections: Evidence-Based Reading and Writing (ERW) and mathematics. Each subject is scored on a scale that ranges from a minimum of 200 to a maximum of 800. The highest composite score a student can earn is 1600. Students are included in the graduating class of the year they reported intending to graduate when taking the SAT, regardless of when they took the SAT test. This report includes students' latest (i.e., most recent) test score, not necessarily their highest score. Comparisons are made to the state and "total group" which includes all national and international testers.

Results

SAT Participation

Beginning in spring 2011, Houston ISD provided an opportunity for students to take the SAT during a school day at their home campus, at no cost to the student. This increased SAT participation rates across the district by reducing the financial, logistical, and emotional burden on students and their families. During the 2019–2020 school year, a second SAT school day was offered in October 2019 in addition to the regular SAT school day in the spring. **Figure 1** illustrates district-wide SAT participation since 2010.

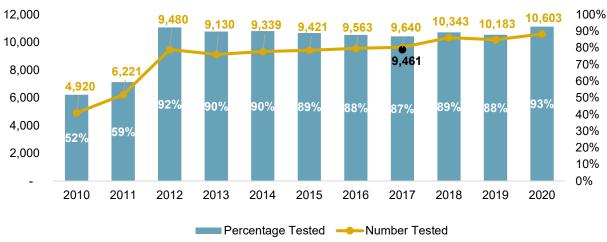


Figure 1. HISD SAT Exam Participation, Classes of 2010–2020

Sources: SAT Suite of Assessments Report: Houston Independent School District, 2010–2020; PEIMS, 2009–2019 Note: Student participation for 2017 includes those who took both versions of the SAT, as shown with the colors blue and yellow. The number of new version testers in 2017 is shown in black.

- The number of students from the Class of 2020 who took the SAT is 10,603 (Figure 1), which is higher than in previous years.
- The Class of 2020 had 93 percent of its seniors take the SAT, which is also the highest compared to previous years (Figure 1).

Figure 2 shows the HISD SAT participation rate by student group. Participation rates for each group were determined by dividing the number of students within the group who took the SAT by the number of seniors within the group.

Percentage of Students African American Asian or Pacific Islander Hispanic **-**White -All

Figure 2. HISD SAT Participation Rate by Race/Ethnicity, Classes of 2010–2020

Sources: SAT Suite of Assessments Report: Houston Independent School District, 2010–2020; PEIMS, 2009–2019 Note: Participation for 2017 includes those who took both versions of the SAT.

- From the Class of 2012 to 2020, the percentage tested dropped for all race/ethnicity groups shown except for the Hispanic group, which increased its participation rate to 91 percent (Figure 2).
- The race/ethnicity with the largest participation decline from 2012 is the White group, dropping 15 percentage points (Figure 2).

SAT Performance

Figure 3 (p. 4) shows the average score by subject for the district's, state's, and total group's Class of 2020. Since the SAT exam was redesigned in March of 2016, making comparisons to prior years is problematic. Performance results in this report reflect only the students tested on the new version in 2017.

- Average SAT scores among HISD seniors are lower than those of students in Texas and the total group in both ERW and mathematics.
- The decrease in ERW scores for HISD students was smaller while the decrease in mathematics scores for HISD students was larger compared to the state and total group from 2019 to 2020.

Composite **─**District **─**State Total Group **ERW** → District State Total Group **Mathematics**

Figure 3. Average SAT Scores of District, State, and Total Group Students, Classes of 2017–2020

Sources: SAT Suite of Assessments Report: Houston Independent School District, 2017–2020; SAT Suite of Assessments Report: State, 2017–2020; SAT Suite of Assessments Report: Total Group, 2017–2020

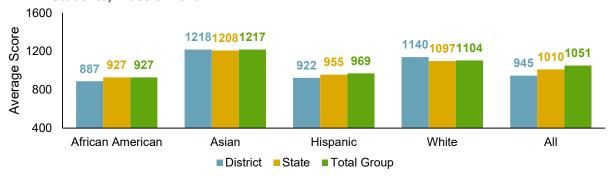
Note: Total group includes international test takers.

HISD Research and Accountability_

Figure 4 shows the average composite score by student group for the Class of 2020 for the district, state, and total group.

- Overall, the HISD African American and Hispanic student groups in the Class of 2020 scored lower composite scores than their peers from the state and total group. Students from the district's Asian and White student groups exceeded state and total group average performance.
- Comparing state and total group to the district's Class of 2020, the HISD African American student group had the largest difference between district and state composite scores compared to other student race/ethnicity groups. Hispanic students had the largest performance difference between the district and total group compared to other student race/ethnicity groups.

Figure 4. Average SAT Composite Score by Race/Ethnicity of District, State, and Total Group Students, Class of 2020



Sources: SAT Suite of Assessments Report: Houston Independent School District, 2017–2020; SAT Suite of Assessments Report: State, 2017–2020; SAT Suite of Assessments Report: Total Group, 2017–2020 Note: Total group includes international test takers.

Figure 5 (p. 6) shows the average SAT scores by subject and student race/ethnicity group for HISD's Classes of 2017–2020.

- Except for the Asian student group, students from the Class of 2020 had lower Composite scores compared to the Classes of 2018 and 2019.
- From 2019 to 2020, the average ERW score for Hispanic students increased by one point. While the
 average ERW scores decreased for both African American and White students, the scores for African
 American students decreased by a smaller amount.

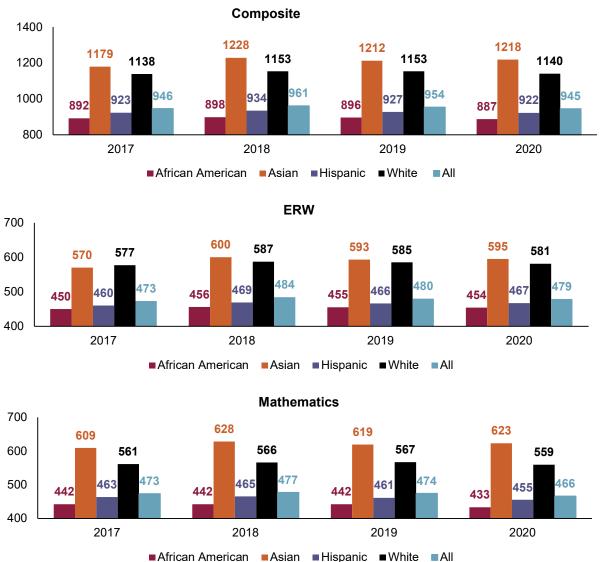


Figure 5. HISD Average SAT Scores by Subject and Race/Ethnicity, Classes of 2017–2020

Sources: SAT Suite of Assessments Report: Houston Independent School District, 2017–2020

SAT College Readiness Benchmarks

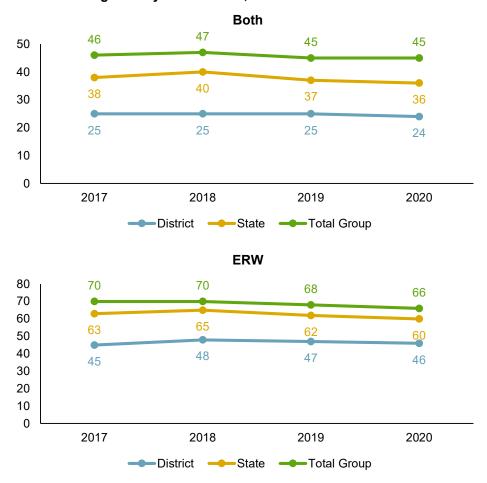
The College Board sets benchmark scores to predict students' chance of success in college. According to the College Board, the SAT Math benchmark is associated with a 75 percent chance of earning at least a C in first-semester, college-level courses in algebra, statistics, precalculus, or calculus. The SAT ERW benchmark is associated with a 75 percent chance of earning at least a C in first-semester, college-level courses in history, literature, social science, or writing.

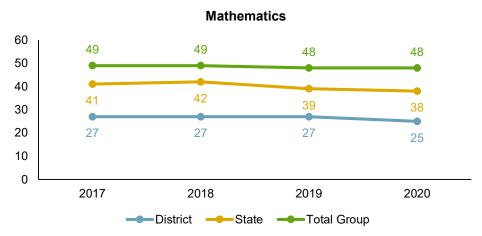
Figure 6 (pp. 7–8) shows the percentage of students in the Classes of 2017–2020, from the district, state, and total group, who met college-ready benchmarks in ERW, mathematics, and both.

 The percentage of HISD students that met both benchmarks and those that met the ERW benchmark decreased by one percentage point while the percentage that met the mathematics benchmark decreased by two percentage points from 2019 to 2020.

- Similar to HISD, the percentage of students from the state meeting the benchmarks decreased from 2019 to 2020 while the percentage of students from the total group meeting the mathematics and both benchmarks remained the same.
- A higher percentage of HISD students met the ERW benchmark than the mathematics benchmark for the past four years, similar to the students from the state and total group.

Figure 6. Percentage of District, State, and Total Group Students Meeting College-Ready Benchmarks, Classes of 2017–2020





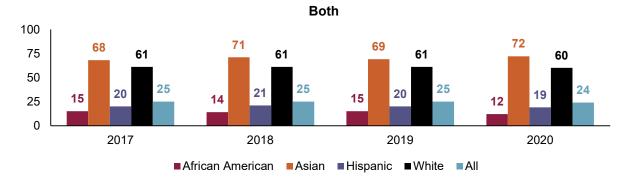
Sources: SAT Suite of Assessments Report: Houston Independent School District, 2017–2020; SAT Suite of Assessments Report: State, 2017–2020; SAT Suite of Assessments Report: Total Group, 2017–2020

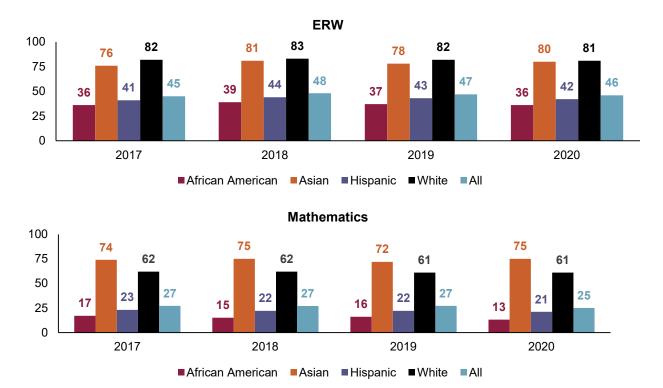
Note: The benchmark scores of the redesigned SAT exam cannot be compared to the benchmark scores from prior years.

Figure 7 (pp. 8–9) shows the percentage of students who met the college-ready benchmarks by subject and student group for HISD's Classes of 2017–2020.

- Students from the African American, Hispanic, and White groups decreased their percentages meeting
 the ERW and both benchmarks while the percentage of students increased from the Asian group from
 2019 to 2020.
- Asian and White students increased or maintained their percentages meeting the mathematics benchmark while the percentage of African American and Hispanic students meeting the mathematics benchmark decreased from 2019 to 2020.

Figure 7. HISD Percentage of Students Meeting College-Ready Benchmarks by Race/Ethnicity, Classes of 2017–2020





Sources: SAT Suite of Assessments Report: Houston Independent School District, 2017–2020

SAT Participation and Performance by Campus

Table 1 (p. 11) shows the number of students tested, average SAT composite, and the changes from the Classes of 2019 and 2020 by campus.

- A total of 46 campuses had students from the Class of 2020 take the SAT.
- Campuses with more than 500 students who took the SAT were: Bellaire HS (n=726), Chavez HS (n=640), Heights HS (n=530), Houston MSTC HS (n=619), Lamar HS (n=690), and Westside HS (n=617). Seven campuses had fewer than 50 students from the Class of 2020 take the SAT.
- The Class of 2020 had a decrease of 9 points in the composite average scored compared to the Class of 2019. Of the 46 campuses with students from the Class of 2020 who took the SAT, 24 campuses (52 percent) maintained or improved their composite score from the prior year, and 21 campuses (46 percent) had scores at or above the district average.
- Middle College Gulfton had the highest increase in the average composite score with 84 points although they only tested 14 students from the Class of 2020. Energized for STEM Central HS had the second highest increase in their composite score average at 58 points. Energized for STEM West HS, which has since closed, had the largest decrease in composite score average at 103 points although they only tested 10 students in 2020. Challenge ECHS, Middle College Fraga, and N. Houston ECHS all had decreases of 50 points or more in their average composite score from 2019 to 2020.

Table 2 (p. 12) shows the scores for ERW, mathematics, and score changes from the Classes of 2019 and 2020.

- Students in the Class of 2020 scored one point lower on average in ERW and eight points lower on average in mathematics compared to the Class of 2019.
- Of the 46 campuses with students from the Class of 2020 who took the SAT, 29 campuses (63 percent) maintained or improved their ERW average and 19 campuses (41 percent) maintained or improved their mathematics average score from the prior year.
- DeBakey HS, Carnegie HS, and HSPVA were the top three campuses in both ERW and mathematics performance with average scores in each subject above 600.
- Middle College Gulfton had the largest growth in ERW and mathematics with 40 points and 42 points respectively although they only tested 14 students from the Class of 2020. Energized for STEM Southeast HS also increased their average ERW score by 40 points from 2019 to 2020.

Table 1. Number Tested, Average SAT Scores by Campus, and Percentage Met Benchmark, **Classes of 2019 and 2020** % Met Both ERW and **Number Tested** Average Composite Score **Mathematics Benchmarks** Campus Change Change Change Austin HS -27 Bellaire HS Carnegie HS -11 Challenge EC HS -17 -52 Chavez HS -3 Community Services DeBakey HS -25 -36 East EC HS -13 -39 Eastwood Acad HS -5 Energy Inst HS -16 E-STEM Southeast HS E-STEM West HS+ -37 -103 -19 Furr HS -23 -3 Heights HS -5 -2 HAIS HS -14 -1 Houston MSTC HS -3 HSLJ -18 Jones HS -2 -41 -8 Kashmere HS Kinder HSPVA -6 Lamar HS -38 -9 -3 Leland YMCPA -2 Liberty HS -3 Long Acad -7 Madison HS -13 -1 Middle College HS - Fraga -67 -6 Middle College HS - Gulfton -36 Milby HS Mount Carmel Acad HS -13 North Forest HS North Houston EC HS -15 -60 Northside HS Scarborough HS Sharpstown HS Sharpstown Intl -29 South EC HS -39 Sterling HS -1 TCAH -34 Waltrip HS -1 Washington HS Westbury HS -2 Westside HS -74 -16 -4 Wheatley HS -3 Wisdom HS -1 -1 Worthing HS -4 Yates HS -15 -24 -3 YWCPA -15 10,183 10,603

Sources: College Board SAT datafile, 2019 and 2020

^{*}Fewer than 5 students tested

⁻⁻No students tested

⁺Campus is closed

Table 2. Average SAT	Subject	Scores	by Ca	ampu	s, Cla	asses of	2019 an	id 202	20	
	Av	erage E	RW S	core	Average Mathematics Score					
Campus	2019	2020	C	hange		2019	2020	C	hange	
Austin HS	430	427			-3	430	433			3
Bellaire HS	553	557			4	546	550			4
Carnegie HS	673	682			9	686	696			10
Challenge EC HS	590	564			-26	556	531			-25
ChavezHS	453	456			3	456	451			-5
Community Services			-	-				-	-	
DeBakey HS	677	660			-17	709	690			-19
East EC HS	555	539			-16	550	527			-23
Eastwood Acad HS	539	539			0	555	556			1
Energy Inst HS	525	535			10	505	522			17
E-STEM Southeast HS	396	436			40	408	426			18
E-STEM West HS+	453	427			-26	468	391			-77
Furr HS	436	430			-6	426	409			-17
Heights HS	493	495			2	476	469			-7
HAIS HS	535	541			6	509	515			6
Houston MSTC HS	410	417			7	414	404			-10
HSLJ	500	488			-12	462	457			-5
Jones HS	465	451			-14	469	441			-28
Kashmere HS	406	419	_		13	402	390			-12
Kinder HSPVA	634	635			1	608	602			-6
Lamar HS	532	528			-4	512	506			-6
Leland YMCPA	541	535			-6	526	533			7
Liberty HS	378	387			9	415	404			-11
Long Acad	481	507			26	484	492			8
Madison HS	420	421			1	415	401			-14
Middle College HS - Fraga	468	443			-25	463	421			-42
Middle College HS - Gulfton	404	443			40	403	449			42
Milby HS	437	454			17	439	439			0
Mount Carmel Acad HS	497	492			-5	479	492			13
North Forest HS	407	411			4	395	394			-1
North Houston EC HS	541	513			-28	538	506			-32
Northside HS	434	446			-28 12	436	442			-32 6
	-	446			17	430				2
Scarborough HS	427					-	425			
Sharpstown HS	414	416			2	410	417			7
Sharpstown Intl	511	524			13	512	524			12
South EC HS	501	485			-16	488	466			-22
Sterling HS	417	417			0	405	407			2
TCAH	547	563			16	504	517			13
Waltrip HS	454	467			13	451	449			-2
Washington HS	420	432			12	415	413			-2
Westbury HS	438	439			1	422	419			-3
Westside HS	522	517			-5	522	511			-11
Wheatley HS	403	414			11	405	400			-5 -
Wisdom HS	409	415			6	414	407			-7
Worthing HS	412	422			10	401	395			-6
Yates HS	425	418			-7	415	399	_		-16
YWCPA	547	528			-19	485	488			3
HISD	480	479			-1	474	466			-8

Sources: College Board SAT datafile, 2019 and 2020 *Fewer than 5 students tested

⁻⁻No students tested

⁺Campus is closed

Conclusion

The number of HISD students from the Class of 2020 who took the new version of the SAT is 10,603, which is higher than in any year before. Offering a second SAT school day to students during the 2019–2020 school year seemed to help increase the test participation rate. While the percentage of Hispanic and White students taking the SAT increased by four and two percentage points respectively from 2019 to 2020, the percentage of African American and Asian or Pacific Islander students decreased by one percentage point each.

While the overall number and percentage of HISD students taking the SAT increased, performance decreased. Furthermore, HISD students continue to score lower than other graduating seniors from the state and from the total group although the decrease in ERW scores for HISD students was smaller compared to the state and total group from 2019 to 2020. Except for the Asian student group, students from the Class of 2020 had lower Composite scores compared to the Classes of 2018 and 2019. From 2019 to 2020, the average ERW score for Hispanic students increased by one point. While the average ERW scores decreased for both African American and White students, the scores for African American students decreased by a smaller amount.

Not only should the number of students taking the SAT continue to increase, performance must increase as well. While the SAT is not the only predictor of college success, the data indicate that more can be done to help students prepare for college.