



SOUTH BUTLER COUNTY SCHOOL DISTRICT

ACADEMIC ACHIEVEMENT REPORT

2018-2019



Data Analysis Approach

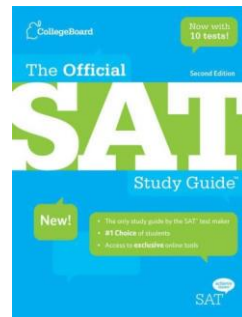


- We utilized test results from the key assessments that SBCSD students take throughout the school year.
- Five-year history
- Findings section will explain proficiency levels, trends, and comparisons
- Use collaborative teams to address student achievement scores



Overview of the Assessments

- Pennsylvania System of School Assessment (PSSA) and Keystone Exams
- AP Scores
- Scholastic Aptitude Test (SAT): not avail. yet
- American College Test (ACT): not avail. yet



PSSA

- PSSAs are state assessments for students in grades 3-8 in mathematics and English language arts. In addition, science is tested in grades 4 and 8.
- The following performance levels are utilized based upon student scores: Advanced, Proficient, Basic, and Below Basic.



PSSA Math

PSSA Math Grade 3		2014	2015	2016	2017	2018
Advanced		44.3	20.1	12.3	23.1	27.5
Proficient		42.3	33.3	58.9	36.9	33.1
Advanced/Proficient		86.6	53.4	71.2	60	60.6
Basic		7.4	28.7	24	20	25
Below Basic		6	17.8	4.8	20	14.4
# Taking Test		149	174	146	160	160



PSSA Math

PSSA Math Grade 4							
			2014	2015	2016	2017	2018
	Advanced		68	20	19.1	18.9	17.2
	Proficient		22.1	31.3	35.3	42.6	35
	Advanced/Proficient		90.1	51.3	54.4	61.5	52.2
	Basic		5	37.3	33.5	30.4	25.8
	Below Basic		5	11.3	12.1	8.1	22.1
	# Taking Test		181	150	173	148	168

PSSA Math Grade 5							
			2014	2015	2016	2017	2018
	Advanced		57.1	8.6	16.4	15.2	12.3
	Proficient		24.2	32.4	30.1	34.8	43.5
	Advanced/Proficient		81.3	41	46.5	50.0	55.8
	Basic		9.3	40	36.3	36	31.2
	Below Basic		9.3	18.9	17.1	14	13
	# Taking Test		182	185	146	178	155



PSSA Math

PSSA Math Grade 6							
			2014	2015	2016	2017	2018
	Advanced		57.8	6.5	11.2	10.1	8.7
	Proficient		27.5	41.3	29.8	26.6	29
	Advanced/Proficient		85.3	47.8	41	36.7	37.7
	Basic		9.3	34.2	37.2	38.6	33.3
	Below Basic		5.4	17.9	21.8	24.7	29
	# Taking Test		204	184	188	158	186

PSSA Math Grade 7							
			2014	2015	2016	2017	2018
	Advanced		62.8	13.7	12.7	11.5	9.4
	Proficient		24	31.6	30.4	23.4	23.8
	Advanced/Proficient		86.8	45.3	43.1	34.9	33.2
	Basic		7.1	32.5	29.3	30.7	29.4
	Below Basic		6.0	22.2	27.6	34.4	37.5
	# Taking Test		183	212	181	192	161



PSSA Math

PSSA Math Grade 8						
		2014	2015	2016	2017	2018
Advanced		57.8	3.9	11	4	10.6
Proficient		25.2	31.8	25.4	23.3	27.7
Advanced/Proficient		83	35.7	36.4	27.3	38.3
Basic		10.7	36.9	37.8	42	31.4
Below Basic		6.3	27.4	25.8	30.7	30.3
# Taking Test		206	179	209	176	191



PSSA Math

3rd Grade Math

- The level of advanced and proficient students remained level. However, more students moved from proficient to advanced and from below basic to basic as compared to last year's third graders.

4th Grade Math

- The grade 4 math scores dropped by 9 points to a level seen more so in the 2015 and 2016 school years.
- 2018 saw the highest percentage of students scoring below basic and the lowest percentage of students scoring advanced in the past four years.

5th Grade Math

- The percent of students scoring advanced/proficient has increased each year since the adoption of the PA Core standards in 2015.
- The percent of students scoring below basic has decreased each year since the adoption of the PA Core standards in 2015.

6th Grade Math

- 2018 saw a one point increase for the percentage of students scoring advanced/proficient.
- 2018 saw the largest percentage of students scoring in the below basic range since the inception of the PA Core standards in 2015.

7th Grade Math

- The percent of students scoring advanced/proficient has decreased each year since the inception of the PA Core standards in 2015.
- The percent of students scoring below basic has increased each year since the inception of the PA Core standards in 2015.

8th Grade Math

- 2018 saw an increase of eleven points for the percentage of students proficient or advanced.
- 2018 saw the highest percentage of students scoring advanced since the inception of the PA Core standards in 2015.



Math Next Steps

- **Areas for Future Study**
- Curriculum Focus
- Statistics and Probability are challenges at both the 6th and 8th grade levels. Are we teaching these concepts early enough in the school year? What does our scope and sequence look like?
- What is the standards alignment between our current middle school math series and the PA Core Standards? Do students have the pre-requisite math skills entering the middle school to be successful in learning the middle level math standards?
- The new math series at the K-5 levels appears to be having an impact as advanced/proficient levels have been above the state average in past years.
- How can teachers be best supported to use data that will drive their instruction and help identify student challenges early on?
- Are we covering the mathematics eligible content in grades?



PSSA ELA

PSSA Reading Grade 3			2014	2015	2016	2017	2018
	Advanced		28.9	17.2	12.3	16.4	16.4
	Proficient		56.4	56.3	58.9	52.2	51.6
	Advanced/Proficient		85.3	73.5	71.2	68.6	68
	Basic		5.4	21.3	24	22.6	28.3
	Below Basic		9.4	5.2	4.8	8.8	3.8
	# Taking Test		149	174	146	159	161

PSSA Reading Grade 4			2014	2015	2016	2017	2018
	Advanced		45.9	32.2	31.6	23.6	25.8
	Proficient		37.0	47.7	38.6	47.3	38
	Advanced/Proficient		82.9	79.9	70.2	70.9	63.8
	Basic		12.2	16.8	22.2	27	32.5
	Below Basic		5.0	3.4	7.6	2.0	3.7
	# Taking Test		181	149	171	148	168



PSSA ELA

PSSA Reading Grade 5		2014	2015	2016	2017	2018
	Advanced	30.8	22.2	18.5	19.7	16.9
	Proficient	40.7	52.4	56.2	42.1	51.3
	Advanced/Proficient	71.5	74.6	74.7	61.8	68.2
	Basic	14.3	20.5	17.8	31.5	29.9
	Below Basic	14.3	4.9	7.5	6.7	1.9
	# Taking Test	182	185	146	178	155

PSSA Reading Grade 6		2014	2015	2016	2017	2018
	Advanced	50.7	20.8	25.0	24.7	24.7
	Proficient	32.2	50.3	41.5	48.1	42.9
	Advanced/Proficient	82.9	71.1	66.5	72.8	67.6
	Basic	10.7	26.2	28.2	24.7	31.3
	Below Basic	6.3	2.7	5.3	2.5	1.1
	# Taking Test	205	183	188	158	186



PSSA ELA

PSSA Reading Grade 7			2014	2015	2016	2017	2018
	Advanced		50.8	21.8	24.2	24.3	18.8
	Proficient		32.8	49.3	44.5	41.8	46.9
	Advanced/Proficient		83.6	71.1	68.7	66.1	65.7
	Basic		10.4	26.5	30.2	31.7	33.1
	Below Basic		6.0	2.4	1.1	2.1	1.2
	# Taking Test		183	211	182	189	161
PSSA Reading Grade 8			2014	2015	2016	2017	2018
	Advanced		69.1	22.2	30.1	18.3	19.9
	Proficient		19.8	52.2	50.7	52	48.4
	Advanced/Proficient		88.9	74.4	80.8	70.3	68.3
	Basic		5.8	22.2	17.2	25.1	27.4
	Below Basic		5.3	3.3	1.9	4.6	4.3
	# Taking Test		207	180	209	175	191



PSSA ELA Findings

- In grade 3, the percentage of students scoring advanced or proficient remained level compared to 2017 scores.
- In grade 3, the percentage of students scoring below basic was the lowest it has been since the adoption of the PA Core Standards in 2015.
- The percentage of students in grade 4 scoring proficient/advanced decreased by 7 percent as compared to the 2016-17 grade 4 students.
- In grade 5, the percentage of students scoring in the Below Basic category was the lowest it has been in five years, 1.9%.
- After a decrease in 2017, the percentage of students in grade 5 scoring advanced/proficient in 2018 increased by 6.4%.
- The percentage of students in grade 6 scoring in the Below Basic range was the lowest it has been in five years, (1.1%).
- After an increase in 2017, the grade 6 students scoring advanced/proficient decreased by 5.2%
- In grade 7, the percentage of students scoring Below Basic was very low (1.2%).
- In grade 8, there was a slight decrease of 2% for students scoring advanced/proficient, while the students scoring advanced increased by 1.6%.



ELA Next Steps

- Text dependent analysis is an area of challenge in all grade levels. This will need to be a specific area of focus moving forward. How can we incorporate text dependent analysis into all core content area curriculum?
- The “Vocabulary Acquisition and Use” standard are a strength across all grade levels. We will want to see these results continue as we move to a new K-5 reading series.
- The percent of students scoring in the Below Basic category is very low in grades 3, 4, 6, 7, and 8. There seems to be very strong instructional strategies and resources being used with these lower achieving students.
- How can we continue to have a low percentage of students scoring Below Basic, while improving the percentage of students scoring advanced or proficient?
- How will the new reading series in grades K-5 impact our scores moving forward?



PSSA Science

PSSA Science Grade 4		2014	2015	2016	2017	2018
	Advanced	61.5	53.3	47.4	41.2	38
	Proficient	31.9	38.7	39.3	50.7	46.6
	Advanced/Proficient	93.4	92.0	86.7	91.9	84.6
	Basic	6.6	6.7	9.8	8.1	13.5
	Below Basic	0.0	1.3	3.5	0.0	1.8
	# Taking Test	182	150	173	148	163
PSSA Science Grade 8		2014	2015	2016	2017	2018
	Advanced	39.8	37.2	45.2	26.7	31.0
	Proficient	36.9	40	33.8	39.8	39.0
	Advanced/Proficient	76.7	77.2	79	66.5	70
	Basic	11.2	13.9	11.9	16.5	20.3
	Below Basic	12.1	8.9	9.0	17.0	9.6
	# Taking Test	206	180	210	176	187



PSSA Science Results & Findings

- 4th grade science scores have consistently been above 80% over the last five years.
- In 2018, grade 8 science scored 3.5 percent better than the 2017 score.
- With the exception of one school year, scores in grade 8 science have been 70% or greater.



Science Next Steps

- How do we ensure a program which will target kids which fall in the Below Basic category to keep them as well as all others moving in an upward direction with 0% of our population falling into below basic?
- What type of supplemental aids and services can we provide to our Basic and Below Basic populations to assist in their growth?
- Should our interventions be based on projections three years prior to when the students will take the test?
- What will those interventions look like?
- How can science be integrated into other content areas?



Keystones

2018 Keystone Algebra I							
		Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
Advanced		55.6%	28.1%	13.4%	17.4%	16.6%	12.6%
Proficient		44.4%	52.4%	36.9%	49.5%	57.1%	66.5%
	Advanced/Proficient	100%	80.5%	50.3%	66.8%	73.6%	79.1%
Basic		0%	19.5%	41.9%	25%	22.7%	18.3%
Below Basic		0%	0%	7.8%	8.2%	3.7%	2.6%
# Tests Taken		27	82	179	196	163	191



Keystones

2018 Keystone Biology							
				Grade 9	Grade 10	Grade 11	Grade 12
	Advanced			36.8%	36.1%	45.7%	45.7%
	Proficient			33.7%	39.5%	35.8%	41.2%
	Advanced/Proficient			70.5%	75.6%	81.5%	86.9%
	Basic			21.6%	18.1%	12.1%	11.6%
	Below Basic			7.9%	6.3%	6.4%	1.5%
	# Tests Taken			190	205	173	199



Keystones

2018 Keystone Literature							
				Grade 9	Grade 10	Grade 11	Grade 12
	Advanced			0%	13.2%	10.4%	7.1%
	Proficient			45.5%	65.4%	69.9%	62.4%
	Advanced/Proficient			45.5%	78.5%	80.4%	69.5%
	Basic			27.3%	15.1%	17.3%	23.4%
	Below Basic			27.2%	6.3%	2.3%	7.1%
	# Tests Taken			11	205	173	197



Keystones Results & Findings

- In Algebra, 151 students in grade 12 taking the test gained proficient/advanced out of 191.
- In Algebra, 93 students in KMS taking the test gained proficient/advanced out of 109 students.
- Biology has been the highest scoring Keystone exam in the district over the past several years with 87% of last year's seniors scoring proficient/advanced.
- In the Literature exam, a tremendous improvement in grades 10 and 11 was seen with the average being around 79% of students scoring proficient/advanced over these two tested grades.



Keystone Next Steps

- What types of interventions do we have in place for the basic and below performing students?
- How is growth going to be measured over the next few years (Future Readiness Index)?
- How strong was our baseline as opposed to all of the other schools taking the exams?
- What other types of assessments are in the works?



2018 AP SCORES:

Knoch High School (394368) Total Students: 45; Total Schools: 1

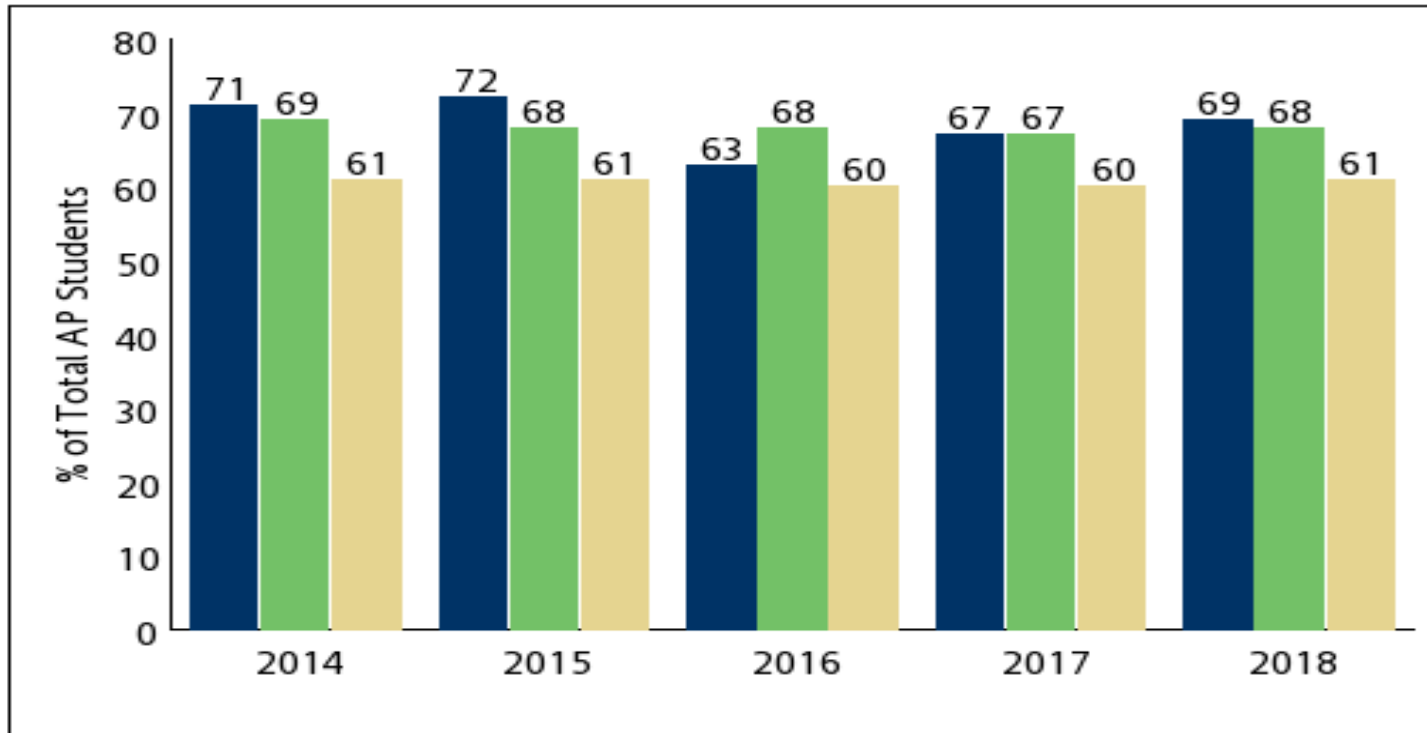
School Totals by Score

Score	Eng Lang Comp	Eng Lit Comp	Euro Hist	Macr Econ	US Hist	Calc AB	Calc BC	Biol	Chem	Phys C: Mech	Total Exams	% of Total Exams
5	2		1	2	1	3	2		2		13	16.7
4	1			1	5		1		1	1	10	12.8
3	5	1	5		4	4	1	3	3		26	33.3
2	8		6		4		1	1	1	1	22	28.2
1			1		3	1		1		1	7	9.0
Total	16	1	13	3	17	8	5	5	7	3	78	100.0

AP Scores continued

Knoch High School (394368)

% of Total AP Students with Scores 3+



■ Knoch High School (394368) ■ Pennsylvania ■ Global

Next Steps

- Continue to seek ways to encourage more students to take the AP exams.
- Attempt to increase the percent of students who score a “3” or better on the exams.



Coming Soon!

- SAT and ACT scores.

