SAT Standard Setting Process & Meaning

Illinois State Board of Education

October 18, 2017

Chicago | Springfield

Illinois
State Board of
Education

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Two Purposes – Two Meanings

The SAT administered in 2017 serves two purposes: (1) providing a free college entrance exam to all grade 11 students and (2) accountability for schools & districts.

Because this exam served multiple purposes, student scores have different meanings

ISBE – Accountability

- Scores and levels that Illinois teachers have determined represent levels of **mastery of the Illinois Learning Standards**

- **Four levels**: Exceeds Standards, Meets Standards, Approaching Standards, Partially Meets Standards

SAT – College Entrance Exam

- Represent a **75% likelihood of getting a C or better** in first semester, credit bearing college courses.

- Three levels: Green, yellow, red

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Why Set Standards?

- Performance levels are a requirement of ESSA

- Performance levels must be aligned to state learning standards

- Why higher than the national benchmarks?

  - Performance levels were set by educators based on their knowledge of the learning standards

IL Alignment to National Benchmarks

IL SAT performance levels and cuts are aligned to, but not identical to College Board national benchmarks

ELA	IL SAT Performance Levels	College Board Benchmarks
Level 4	640	--
Level 3	540	480
Level 2	430	460

Math	IL SAT Performance Levels	College Board Benchmarks
Level 4	670	--
Level 3	540	530
Level 2	450	510

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Educator-led Process for all Performance Levels

- Same process used for all performance level setting agency-wide, led by those who work most closely with students

- Educators currently or recently teaching tested students

- Representative of geographic and demographic diversity of our teaching population
  - Included special education teachers, EL teachers, curriculum specialists, and college and career specialists
  - ELA (3 EL, 3 SPED, 2 College & Career/Counseling, 2 Higher Education)
  - Math (4 EL, 2 SPED, 2 College & Career/Counseling, 1 Science)

- 3 Rounds of rating item difficulty followed by impact data and discussion.

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Convening – Process & Agenda

- Day 1
  - Training of table leaders
  - Whole group introduction
  - Break out to subject area rooms
  - Experience the test
  - Review of PDLs & task
  - Training and practice on Angoff
  - Round 1 ratings

- Day 2
  - Round 1 Impact data & discussion by table
  - Round 2 ratings
  - Round 2 impact data & discussion by table and whole group
  - Round 3 ratings
  - Material check in
  - Final impact data & discussion

Process Summary

ELA	Level 2					Level 3					Level 4				
Round	Mean	Median	Min	Max	SD	Mean	Median	Min	Max	SD	Mean	Median	Min	Max	SD
1	448.75	440	400	540	39.49	553.75	555	480	620	39.32	652.92	655	560	710	36.05
2	432.08	430	400	480	22.65	536.25	540	500	570	21.23	641.25	640	590	700	32.34
3	430.00	430	390	480	23.93	534.35	540	500	570	20.41	639.13	640	580	700	31.75

MATH	Level 2					Level 3					Level 4				
Round	Mean	Median	Min	Max	SD	Mean	Median	Min	Max	SD	Mean	Median	Min	Max	SD
1	502.00	500	460	540	26.30	609.60	610	550	650	26.22	713.60	720	650	770	28.27
2	466.40	480	400	530	32.64	568.00	580	490	630	35.24	691.20	700	590	740	40.34
3	444.80	450	350	520	36.53	542.40	540	480	600	31.13	676.40	690	590	730	39.57

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Final Modifications

- Adopt ELA cuts as recommended by panelists based on median cuts at all levels

- Adopt Math cuts as recommended by panelists based on median cuts at all levels except Exceeds

- Exceeds represents a modest modification supported by panelist data

Mean Median Difference Analysis

	STAT	Approaching	Meets	Exceeds
ELA	MEAN	430.00	534.35	639.13
ELA	MEDIAN	430	540	640
ELA	DIF	0.00	5.65	0.87
MATH	MEAN	444.80	542.40	676.40
MATH	MEDIAN	450	540	690
MATH	DIF	5.20	-2.40	13.60

Final Recommended Cuts

ELA				MATH			
Performance Level	**Cut**	**% At**	**Meets/Not**	**Performance Level**	**Cut**	**% At**	**Meets/Not**
4 Exceeds	**640**	13.0%	39.7%	4 Exceeds	**670**	7.8%	36.3%
3 Meets	**540**	26.7%		3 Meets	**540**	29.%	
2 Approaching	**430**	37.4%	60.3%	2 Approaching	**450**	32.6%	63.7%
1 Partially Meets	--	22.9%		1 Partially Meets	--	31.1%	

*Note: All data considered preliminary until released officially via the Illinois Report Card.

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Consistent with other Standards Aligned Assessments

ELA

Test Year Grade	SAT 2017 11	PARCC 2017 8		SAT 2017 11	PARCC 2017 8
Level 4	13.00%	6.2%	Meets	39.70%	37.40%
Level 3	26.70%	31.2%			
Level 2	37.40%	26.1%	Does Not Meet	60.30%	62.60%
Level 1	22.90%	19.9%			
Level 0		16.6%			

Math

Test Year Grade	SAT 2017 11	PARCC 2017 8		SAT 2017 11	PARCC 2017 8
Level 4	7.80%	4.6%	Meets	36.30%	32.30%
Level 3	28.50%	27.7%			
Level 2	32.60%	23.6%	Does Not Meet	63.70%	67.70%
Level 1	31.10%	20.6%			
Level 0		23.6%			

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Compared to Other State SAT Cuts

ELA	IL Round 3	Multi-State Round 3	National CCR
Level 4	**640**	700	--
Level 3	**540**	580	480
Level 2	**430**	450	460

Math	IL Round 3	Multi-State Round 3	National CCR
Level 4	**690**	680	--
Level 3	**540**	560	530
Level 2	**450**	420	510

Reporting

- Report Card
- ED 360

- College Board Score Report
- College Board Educator Portal

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Questions?

- Contact ISBE at assessment@isbe.net OR call 1-866-317-6034

- https://www.isbe.net/Pages/SAT.aspx
  - Family & Administrator FAQs
  - Recorded Presentation & Slides