SAT Data Use and Implementation: Example Resources

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<tr>
<td>Reports: Descriptions and How to Access

Login:
https://k12reports.collegeboard.org/

Presentation to Secondary Math ELF showing the progression from SAT to classroom data.</td>
<td>Protocol for Examining Data

This protocol has been used with educators and leaders during professional learning throughout the year. The questions will help guide data discussions and determine next steps. Use of this protocol is optional, but it is highly recommended that a protocol is used.</td>
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<td>SAT benchmarks are college and career readiness indicators that help assess whether students are on track for success in first-semester, credit-bearing college courses. They are designed to provide insights into student performance in Reading and Writing and Math.

Use the Performance By All Students report and the chart to the right to extract data to review.</td>
<td>Performance By All Students (Choose PSAT8/9, NMSQT, SAT)
Sample Data
<table>
<tr><th>Content</th><th>Benchmark</th><th>Not Yet Approaching %</th><th>Approaching %</th><th>Meets/Exceeds %</th></tr>
<tr><td>R/W</td><td>530</td><td>22%</td><td>7%</td><td>71%</td></tr>
<tr><td>Math</td><td>504</td><td>51%</td><td>9%</td><td>40%</td></tr>
<tr><td>Essay</td><td>4 Reading
3 Analysis
4 Writing</td><td colspan="3"></td></tr>
</table>
Use questions 1-5 on the Protocol for Examining Data to discuss the chart.</td>
</tr>
<tr>
<td>Knowledge and Skills – The report breaks down student performance into eight content domains across Reading and Writing and Math. Reviewing these domains helps pinpoint areas where students excel and where they need additional support.</td>
<td>Knowledge and Skills
Sample Data
<table>
<tr><th>R/W</th><th>Inform/Ideas</th><th>Craft/Structure</th><th>Exp of Ideas</th><th>Std Eng Conv</th></tr>
<tr><td>Score Bands (SB)
Note: Score Band 3</td><td>SB2: 12%
SB3: 17%</td><td>SB2: 16%
SB3: 21%</td><td>SB2: 28%
SB3: 26%</td><td>SB2: 22%
SB3: 19%</td></tr>
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<td>Use Performance Score Bands – Student performance is categorized into seven score bands. This allows educators to see where students fall within a range and determine whether they need reinforcement or enrichment.

Review the domains and score bands. Where are most students falling? Which areas will you want to learn more about?</td>
<td>
<table>
<tr><td>includes the benchmark</td><td></td><td></td><td></td><td></td></tr>
</table>
<table>
<tr><td>Math</td><td>Algebra</td><td>Adv Math</td><td>Prob Solving/Data</td><td>Geom/Trig</td></tr>
<tr><td>Score Bands (SB)
Note: Score Band 4 includes the benchmark.</td><td>SB3: 19%
SB4: 32%</td><td>SB3: 14%
SB4: 26%</td><td>SB3: 17%
SB4: 28%</td><td>SB3: 24%
SB4: 26%</td></tr>
</table>
Use questions 1-5 on the Protocol for Examining Data to discuss the chart.
</td>
</tr>
<tr><td></td><td></td></tr>
<tr>
<td>Standards Alignment by Course and Assessment provides standards by course and assessment. After reviewing the content domains and score bands, determine where students need the most support.</td>
<td>1. Use the information gained from the Performance By All Students and Knowledge and Skills report to determine an area(s) of need.
2. Use the Standards Alignment by Course and Assessment document to take a closer look at the content domain that is an area of need to determine which standards are being assessed.

Areas of Need (Sample using the data above):
Algebra – review pp. 121, 142
Essay – Analysis: Although a large number of students are meeting the Reading/Writing benchmark, many are not succeeding with Analysis on the essay. Score band 3 includes the 480 benchmark but score band 6 (Information/Ideas) is where students become proficient with analysis.</td>
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<tr>
<td>Leverage Skills Insight™ – The Skills Insight tool provides statements that describe what</td>
<td>Using your curriculum map, review the skill and knowledge statements tied to each content domain and indicate if the skill/knowledge is:</td>
</tr>
</table>

<table>
<tr><td>students in different score bands typically know and can do. This helps educators understand the specific skills students need to develop.
Skills Insight Knowledge Statements</td><td>a. Taught and assessed in your curriculum
b. When students first learn the skill
c. When students are expected to demonstrate proficiency

Discuss and be prepared to select classroom assessments to further explore.</td></tr>
<tr><td></td><td></td></tr>
<tr><td>Additional Data Points
Summative assessments play an important role in measuring learning progress and should be used in addition to classroom assessments to paint a fuller picture of a student's academic strengths and areas of need.</td><td><table><tr><td>Math</td><td>ELA</td></tr><tr><td>Common Paced Assessments</td><td>Common Paced Assessments</td></tr><tr><td>Topic Performance Tasks</td><td>Unit Performance Assessments</td></tr><tr><td>Mathia</td><td></td></tr></table>
Use what you have learned in the reports and choose classroom assessments to determine if there is congruency in performance. Are students performing well/not well on specific standards that are assessed on the summative? Keep in mind when the content is taught.

Continue to use the Protocol for Examining Data to discuss the additional data.</td></tr>
<tr><td></td><td></td></tr>
<tr><td>Identify Instructional Gaps – By comparing student performance with curriculum expectations, educators can adjust lesson plans to address gaps in knowledge and skills.</td><td>Based on your analysis, identify skills for development (optional action plan):
a. Review Skills Insight to generate potential actions for improving skills. Be sure to look at the next highest score band as you think through strategies. Consider how you want to incorporate those skills into existing classes/courses.
b. Check the Teacher Implementation Guide to select the most-tested skills.
c. Set a timeline, identify resources, and indicate measures of success.

Action Planning Templates pages 4-5.</td></tr>
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Skill/Knowledge Statements for the Reading and Writing Section starts on page 7. Review the statements and pull the ones that you need to explore using the questions below. Consider the Knowledge and Skills Report data and student performance on classroom assessments.

Skill/Knowledge Statements	Is it in curriculum? Where? Which score band level matches the rigor of instruction?	At what grade level/course are students first introduced to it? Is there assessment data to support progress?	At what grade level/course are students expected to demonstrate proficiency? Have students made progress?
Score band 1 - statement			
Score band 2 - statement			

Reading and Writing Action Plan

Skill to Develop	Strategy	Implementation Timeline	Resource(s) Needed	Indicator of Success

Skill/Knowledge Statements for the Math Section pages 24-27 by domain. Review the statements and pull the ones that you need to explore using the questions below. Consider the Knowledge and Skills Report data and student performance on classroom assessments.

Skill/Knowledge Statements	Is it in curriculum? Where? Which score band level matches the rigor of instruction?	At what grade level/course are students first introduced to it? Is there assessment data to support progress?	At what grade level/course are students expected to demonstrate proficiency? Have students made progress?
Score band 1 - statement			
Score band 2 - statement			

Math Action Plan

Skill to Develop	Strategy	Implementation Timeline	Resource(s) Needed	Indicator of Success

Additional Resources

The Digital SAT® Suite and Classroom Practice Math: This guide aims to inform secondary math teachers (and teachers of other subject areas in which math is commonly used) of evidence-based instructional practices supporting college and career readiness for all students. The four chapters in this guide, covering topics in algebra, advanced math, problem-solving and data analysis, and geometry and trigonometry, were authored by experts in their fields who drew on both their own knowledge and experience as well as a wealth of high-quality research, citations to which can be found in each chapter's references list.
The Digital SAT® Suite and Classroom Practice: English Language Arts/Literacy: This guide aims to inform secondary English language arts teachers as well as teachers in other subject areas of evidence-based instructional practices supporting college and career readiness for all students. The six chapters in this guide—covering the topics of text complexity; close reading, textual evidence use and source analysis; vocabulary and knowledge; Standard English conventions; disciplinary literacy; and English learners—were authored by experts in their fields who drew on both their own expertise and experience as well as a wealth of high-quality research, citations to which can be found in each chapter's references list.
SAT Suite of Assessments Key Features Module: The purpose of the *Professional Development Modules for Educators* is to build a deep understanding of the content and skills assessed on the SAT Suite of Assessments, and to support educators as they identify the natural points of alignment across the SAT Suite, classroom instruction, and curriculum. Each professional development module contains descriptions of the assessment content, sample questions, and suggestions for helping students master content and prepare for the assessments in the SAT Suite. The modules are flexible; they are designed for download and presentation in various meetings and professional development sessions, for individual or group use.
Understanding and Interpreting SAT® Suite Scores and Reports: This is a slide deck which includes: Setting the Stage • Exploring Content Domains • Analyzing SAT Suite Data * Scores and Benchmarks • Analyzing Content Domains: A Deeper Dive into the Skill and Knowledge Statements * Review the Knowledge and Skills Report * Skills Insight * SAT Suite Question Bank * Teacher Implementation Guide * Practice for Students * Appendix * Reading and Writing Ideas * Math Ideas
SAT Suite Question Bank (SSQB): Use the SSQB to create custom, targeted question sets and improve instruction. The question bank includes over 3,500 questions from the SAT, PSAT/NMSQT, PSAT 10, and PSAT 8/9 assessments. You can find questions that align with skills taught in class and use them in multiple ways. Questions can be sorted by subscores, cross-test scores, and content dimensions.