

# Common Core State Standards Part 4: SMARTER Balanced Assessment

Board of Education Presentation  
Rosemead School District  
Educational Services  
May 2, 2013

# New Generation of State Assessment



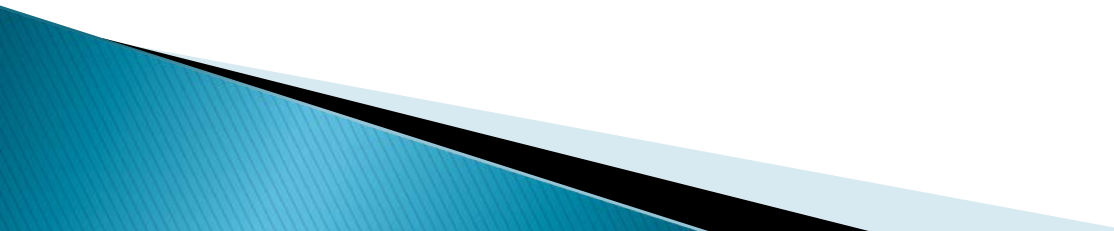
California Standards Test



SMARTER Balanced

**2014-2015**

# An Innovative Approach

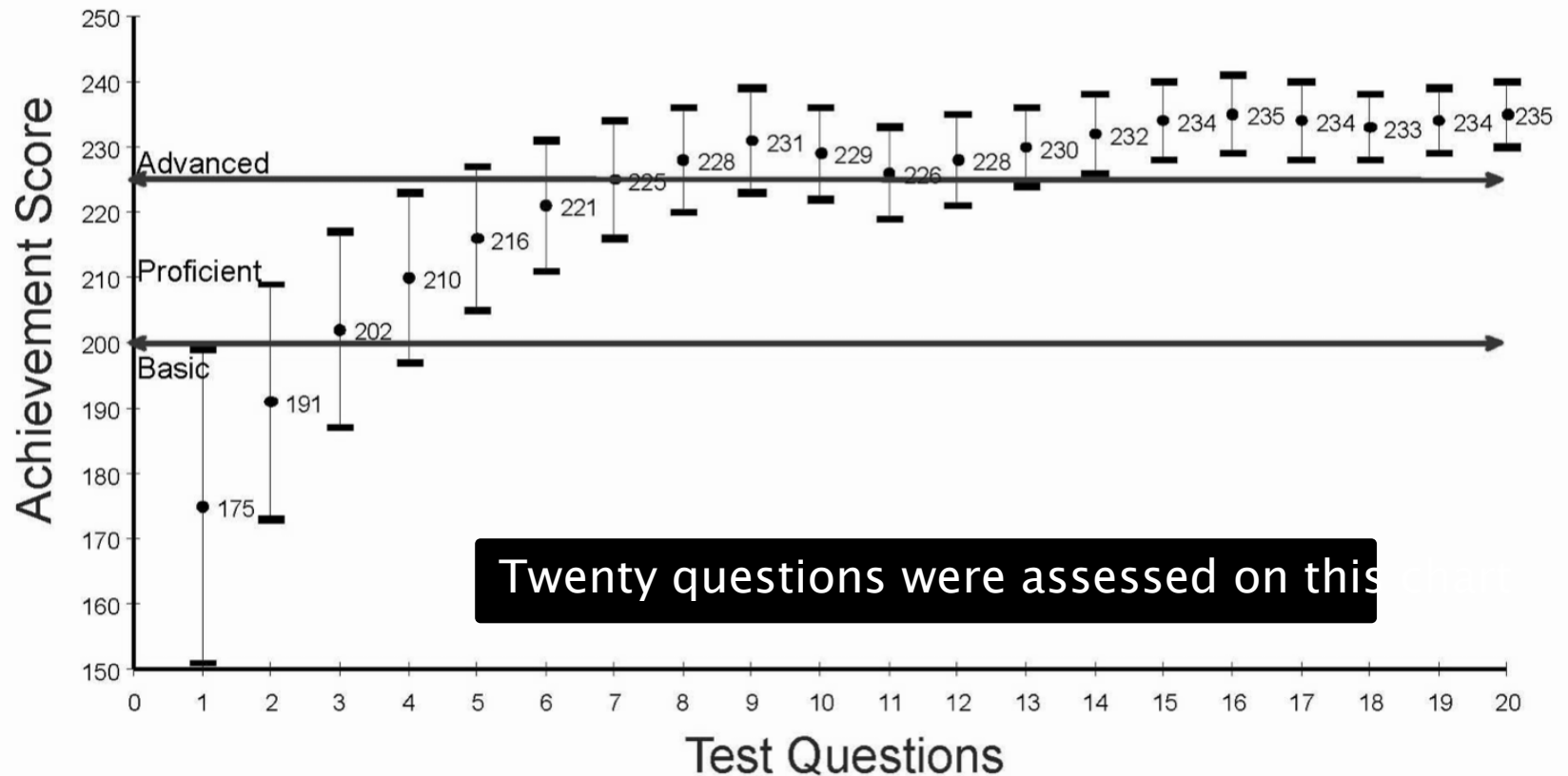
- ▶ Based on student responses, the computer program adjusts the difficulty of questions throughout the assessment. For example, a student who answers a question correctly will receive a more challenging item, while an incorrect answer generates an easier question.
  - ▶ By adapting to the student as the assessment is taking place, these assessments present an individually tailored set of questions to each student and can quickly identify which skills students have mastered.
  - ▶ This approach represents a significant improvement over traditional paper-and-pencil assessments used in many states today.
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# An Innovative Approach

- ▶ Better information for teachers:
  - Optional computer adaptive interim assessments will provide a more detailed picture of where students excel or need additional support, helping teachers to differentiate instruction.
  - The interim assessments will be reported on the same scale as the summative assessment, and schools will have flexibility to assess small elements of content or the full breadth of the CCSS at locally-determined times throughout the year.
- ▶ More efficient and more secure:
  - Computer adaptive tests are typically shorter than paper-and-pencil assessments because fewer questions are required to accurately determine each student's achievement level.
  - The assessments draw from a large bank of questions, and since students receive different questions based on their responses, test items are more secure and can be used for a longer period of time.
- ▶ More accurate:
  - Computer adaptive testing offers teachers and schools a more accurate way to evaluate student achievement, readiness for college and careers and to measure growth over time.

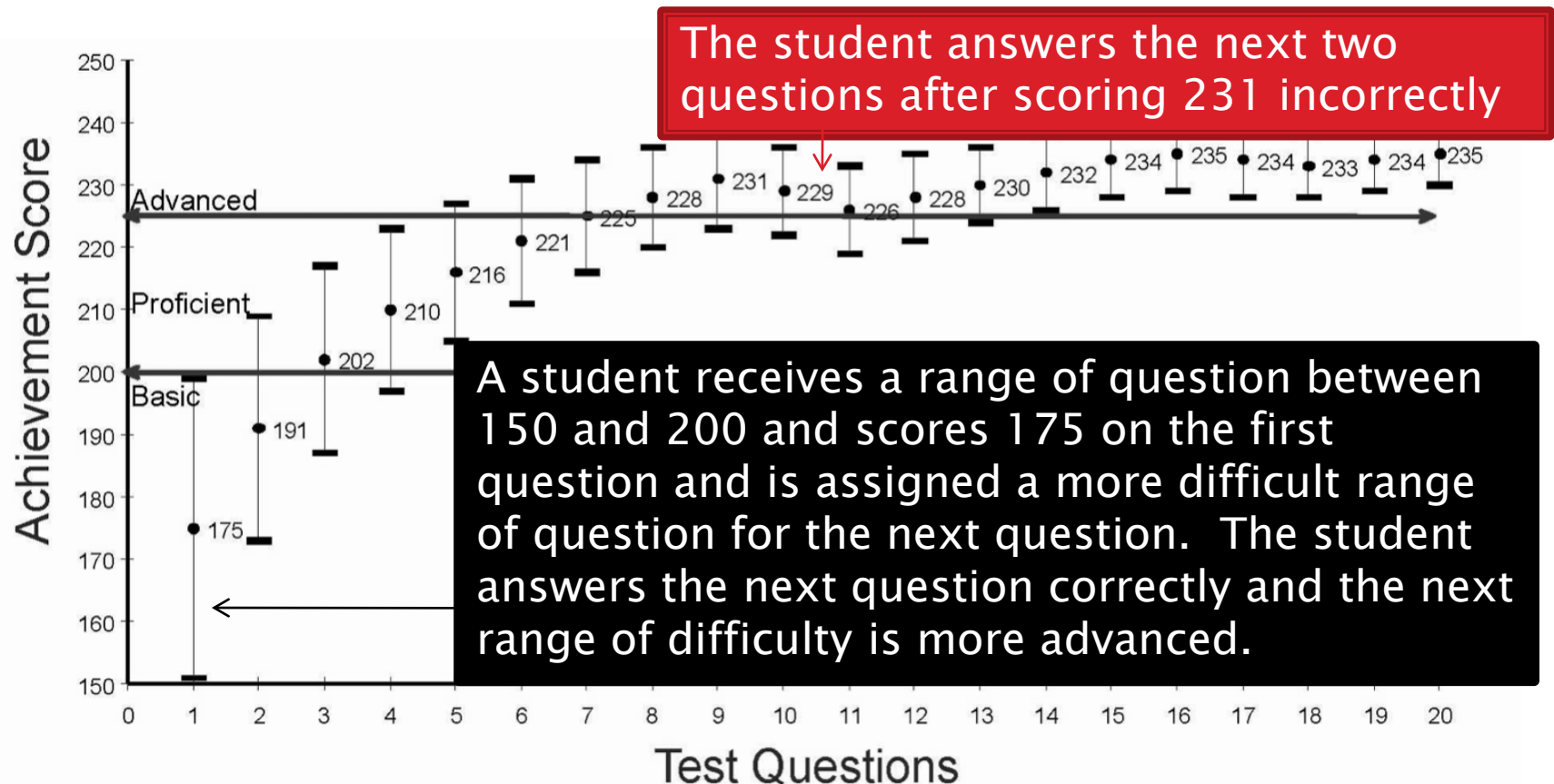
# Computer Adaptive Testing

## 20 Questions



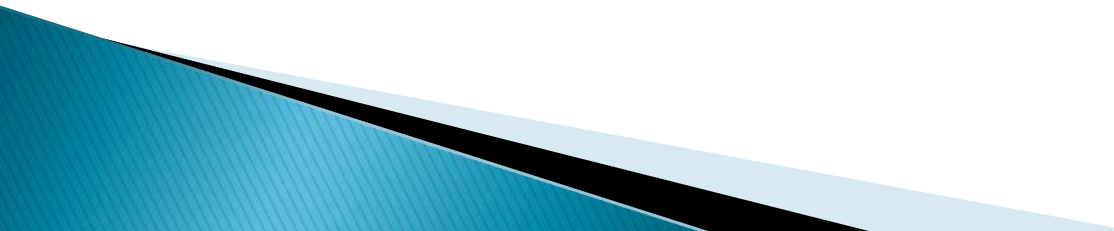
# Computer Adaptive Testing

## 20 Questions



As the student continues to answer more questions you could see that the range is narrowed based on the student's responses because the computer program is zeroing on the child's ability level.

# Item and Task Types

- ▶ **Selected-response items**
  - ▶ **Technology-enhanced items**
  - ▶ **Constructed-response items**
  - ▶ **Performance tasks**
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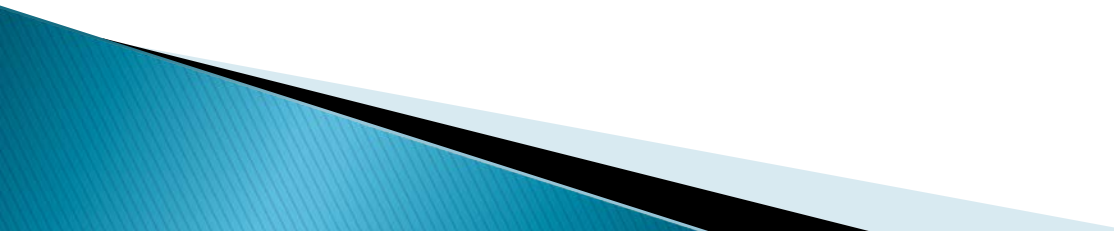


# Selected–Response Items

- ▶ **Selected–response items** prompt students to select one or more responses for a set of options.



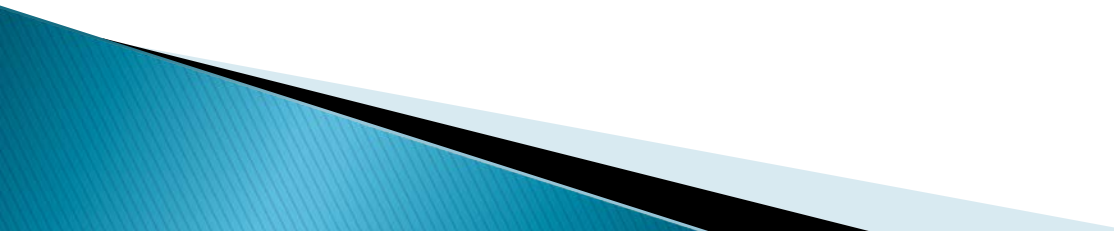
# Technology-Enhanced Items

- ▶ **Technology-enhanced items** take advantage of computer-based administration to assess a deeper understanding of content and skills than would otherwise be possible with traditional item types. Technology-enhanced items capitalize on technology to collect evidence through a non-traditional response type, such as editing text or drawing an object. Selected-response and technology-enhanced items can be scored automatically.
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# Constructed–Response Items

- ▶ **Constructed–response items** prompt students to produce a text or numerical response in order to collect evidence about their knowledge or understanding of a given assessment target.

# Performance Tasks

- ▶ **Performance tasks** measure a student's ability to integrate knowledge and skills across multiple standards — a key component of college and career readiness. Performance tasks will be used to better measure capacities such as depth of understanding, research skills, and complex analysis, which cannot be adequately assessed with selected- or constructed-response items.
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# Sample Items

<http://sampleitems.smarterbalanced.org/item/preview/sbac/ELA.htm#>

# Sample Performance Task

- ▶ [animal-performance.pdf](#)

# SMARTER Balanced Assessment Facts

- ▶ Part 1 of the test will require each student to test for approximately 45 minutes (response items)
  - ▶ The computer may know where a student is at after 10 questions, but the student will test for the entire 45 minutes
  - ▶ Not all students will have the same questions
  - ▶ A student could take 10 questions and score 235, while another student could take 20 and score 235
  - ▶ Another student could take 42 questions and score 100
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# SMARTER Balanced Assessment Facts

- ▶ Schools will be able to see how long students took on each question
- ▶ Retake option may only be an option for 11<sup>th</sup> grade (SBAC assessment may take the place of college entrance exam)



# Logistics and Devices


- ▶ Desktops

- ▶ iPads

- ▶ Laptops

- ▶ Computer Labs

# What We've Learned?

- ▶ Requires a lot more technical support than CST, especially during the testing process
  - ▶ The teacher is not only the proctor, but ensures that students are logged in or stay logged on
  - ▶ As far as our network backbone, we are ready
  - ▶ We may need to purchase additional headphones, iPad keyboards, batteries for laptops
  - ▶ Instruction needs to align with the skill demands of the test (keyboarding, drag & drop, minimizing/maximizing screens)
  - ▶ Teacher training is vital
  - ▶ Ensuring that all device software is updated
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# Student Testimony

- ▶ “Some of the questions were constructed in a way that made you think out of the box. Some questions were easy and some were hard. I liked using the computer because it’s advanced technology.”

– *Ted*  
Sixth Grader

- ▶ “I liked using a laptop to take the test instead of using paper and pencil because it didn’t take as long.”

– *David*  
Sixth Grader

