Meeting Student Needs with the Stanford 10

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Why use the Stanford 10 or any assessment for that matter?
**Norm-Referenced Test**

- **Features of a Norm-Referenced Test**
  - Used to make comparisons between individual student performance and the results of a reference group
  - Access to true national comparisons, presented in National Percentile Ranks and other easy-to-compare measures

- **Value of a Norm-Referenced Test**
  - Understand where student performance falls in the continuum of the national reference group
  - Improve instruction and identify student needs

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**Criterion-Referenced Test**

- **Features of a Criterion-Referenced Test**
  - Aligned to a set of performance standards
  - Used to determine an individual student’s level of mastery of predetermined standards

- **Value of a Criterion-Referenced Test**
  - Identify a student’s overall performance level
  - Meet federal requirements for accountability under No Child Left Behind (NCLB)

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**Standards-Based Test**

- **Features of a Standards-Based Test**
  - Incorporates elements of Norm-Referenced and Criterion-Referenced Assessments
  - Normed to a reference group AND aligned to a set of performance standards

- **Value of a Standards-Based Test**
  - Report standards-based information, performance levels, and percentile rank information
  - Help students achieve higher standards
The Value of Stanford 10

- The standard for national norm-referenced achievement testing for over 80 years
- Norm-Referenced AND Standards-Based
- Test questions assess all core content areas:
  - Reading, Mathematics, Language, Spelling, Listening, Science, and Social Science
- Used by
  - Administrators to evaluate progress toward meeting content standards and high expectations
  - Teachers to identify and help children at risk of being left behind
  - Parents to understand what their children know and can do and how they can help

Stanford 10 Standards Connection

- National Assessment of Educational Progress (NAEP)
- International Reading Association (IRA) and National Council of Teachers of English (NCTE) Standards
- National Council of Teachers of Mathematics (NCTM) Principles and Standards for School Mathematics (PSSM)
- State Academic Standards
- National Research Council (NRC) Science Education Standards
- American Association for the Advancement of Science (AAAS) Benchmarks for Science Literacy
- National Council for the Social Studies (NCSS) Curriculum Standards for Social Studies
- Standards for Educational and Psychological Testing
- Code of Fair Testing Practices in Education

Stanford 10 Features

- 13 test levels: Kindergarten through Grade 12
- Midyear-to-midyear test configuration
  - Grade-appropriate content with different test levels for fall and spring administration
- Easy-hard-easy item format that encourages students
- Untimed test administration
- Braille and Large Print editions
- Lexile® Measure of reading levels
- Support materials for teachers, parents, and students
- Complete and abbreviated batteries available
Stanford 10 Test Design

- Full-color testing materials
  - Realistic, clear, and explicit illustrations
  - Materials that resemble instructional materials
  - Pages that are motivating and engaging to students
- Easy-to-navigate materials
  - Carefully designed with input from teachers, administrators, and students
  - Framed questions to focus students on all relevant information
  - Clear, consistent, uncluttered design

What is Tested?

- Test questions assess all core content areas:
  - Reading
  - Mathematics
  - Language
  - Spelling
  - Listening
  - Science
  - Social Science

Word Study Skills

- Structural Analysis
  - Compound Words
  - Morphemes
- Phonetic Analysis-Consonant Sounds
  - Single Consonant Sounds
  - Consonant Blends
  - Consonant Digraphs
- Phonetic Analysis-Vowel Sounds
  - Long Vowel Sounds
  - Short Vowel Sounds
  - Other Vowel Sounds
Reading Comprehension

- Literary
- Informational
- Functional
  - Initial Understanding
  - Interpretation
  - Critical Analysis
  - Strategies

Mathematics Problem Solving

- Number Sense and Operations
- Patterns, Relationships and Algebra
- Data, Statistics, and Probability
- Geometry and Measurement
  - Communication and Representation
  - Mathematical Connections
  - Estimation
  - Reasoning and Problem Solving

Mathematics Procedures

- Content Clusters
  - Computation with Whole Numbers
  - Computation with Decimals
  - Computation with Fractions
- Process Clusters
  - Computation in Context
  - Computation with Symbolic Notation
Spelling
- Content Clusters
- Homophones
- Phonetic Principles
- Structural Principles
- No Mistake

Language
- Language Mechanics
  - Capitalization
  - Usage
  - Punctuation
- Language Expression
  - Sentence Structure
  - Prewriting
  - Content and Organization

Science
- Life
- Physical
- Earth
- Nature and Science
  - Models
  - Constancy
  - Form and Function
Social Science

- History
- Geography
- Political Science
- Economics
  - Application of Knowledge and Comprehension
  - Organization, Summarization, and Interpretation of Information
  - Determination of Cause and Effect

Listening

- Vocabulary
- Comprehension
  - Literary
  - Informational
  - Functional
    - Initial Understanding
    - Interpretation
    - Analysis
    - Strategies

Stanford 10 Testing Modalities

- Paper/Pencil
  - or
- Online
Paper/Pencil

- Easy-to-navigate materials
  - Carefully designed with input from teachers, administrators, and students
- Framed questions to focus students on all relevant information
- Clear, consistent, uncluttered design
- Full-color testing materials
  - Realistic, clear, and explicit illustrations
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Online

Recommended Levels for Stanford 10 Online

Benefits of Online Testing

- Determine student results in real time
- Engaging for students
- Ease & flexibility of online administration
  - Flexibility to administer to various grade levels at one time
  - Flexibility in administrating any combination of subtests over multiple days (SAT 10)
- Cost Effective
  - No physical commitment on the part of the school to store, distribute, organize and ship test booklets or answer documents
  - Pay for only what you need when you need it
Benefits of Online Reporting

- Immediate and reliable data
- Data available immediately allowing for effective placement and instructional planning rather than weeks
- English and Spanish version of home reports are available
- Green and environmentally friendly
  - Eliminates the need to store, organize and distribute results
  - Saves paper by printing needed reports on demand or distribute digitally

Everything needed to test is included!

- All Inclusive
  - Directions for Administering
  - Frequently Asked Questions (FAQs)
  - Practice Tests
  - Online technical support
  - Tutorials
  - Implementation services
  - Tests
  - Automated system check
  - Tools
  - Secure Pearson browser
  - Reports
  - Online report training

What Information Do You Receive?

Scores
- Raw Scores
- Derived Scores
  - Scaled Scores (show growth over time)
  - Individual Percentile Ranks
  - Individual Stanines
  - Group Percentile Ranks and Stanines
  - Normal Curve Equivalents
  - Grade Equivalents
- Content and Process Cluster information
- Lexile Measure (Reading Level)
Reports available in paper, online or mixed options:

- Home Report
- Student Report
- Group Report
- Student Performance Standards Report
- Master List of Test Results
STUDENTS

- What do we change?
- With which concepts or skills did students struggle or excel?
- What do we change to?
- What materials/methods that have been used in the past would be most beneficial in learning these concepts/skills?
- How do we come about the change?
- Who is responsible for making this happen?
- What kind of support is needed in utilizing these methods/materials?

CURRICULUM

- What do we change?
- To what extent does/is the curriculum:
  - Standards based
  - Use a variety of instructional techniques
  - Provide inquiry into authentic questions generated from student experience
  - Actively engage the learner
  - Develop a deeper understanding of concepts
  - Provide opportunities for students to communicate
  - Provide for multiple assessments that allow students to communicate their own learning
- What do we change to?
- What other resources (curricular, technological, assessment) did you use and how did those resources help your students understand the concepts/skills?
- How do we come about the change?
- What kind of funding and approval process will be needed for acquiring these resources?
- Who are the individuals involved in this acquisition?
INSTRUCTION

- What do we change?
- What modifications/differentiations to the lesson were made and why were they necessary?

- What do we change to?
- What other strategies/methods (curricular, technological, assessment) did you use and how did those strategies help your students understand the concepts/skills?
- With which parts of the concepts/skills do your students still need more help?

- How do we come about the change?
- What kind of support do you need in implementing any of the components or teaching any of these concepts/skills? If so, who do you ask?

Stanford 10 Support Materials

- Compendium of Instructional Standards
  - Describes the Stanford 10 structure and test content

  Guide for Classroom Planning
  - Show teachers how to interpret and use Stanford 10 test results

  Understanding Test Results
  - Explains to parents and older students how to interpret results

Three Instructional Payoffs

- More Accurate Task Analysis
- Clearer Explanations
- More Appropriate Activities
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