

Texas Turnaround Center Webinar
Vertical Scale Scores
MAY 14, 2009

I. Vertical Scales

- A. Senate Bill 1031 (2007 Legislative Session)
- B. Reading and Math – Grades 3-8 only
- C. Purpose: To make it possible to compare the performance of an individual student on assessment instruments from one grade level to the next
- D. Currently, TAKS tests are scored on a Horizontal Scale
 - 1. Scores **within a single grade** can be compared
 - a. Across years (i.e., 2007 to 2008)
 - b. Across administrations (i.e., 1st Administration to 2nd Administration)
 - 2. Scores **across grade levels** (i.e., 4th grade to 5th grade) cannot be compared
 - a. UNLESS the scores are converted to a common scale (e.g., Texas Growth Index)

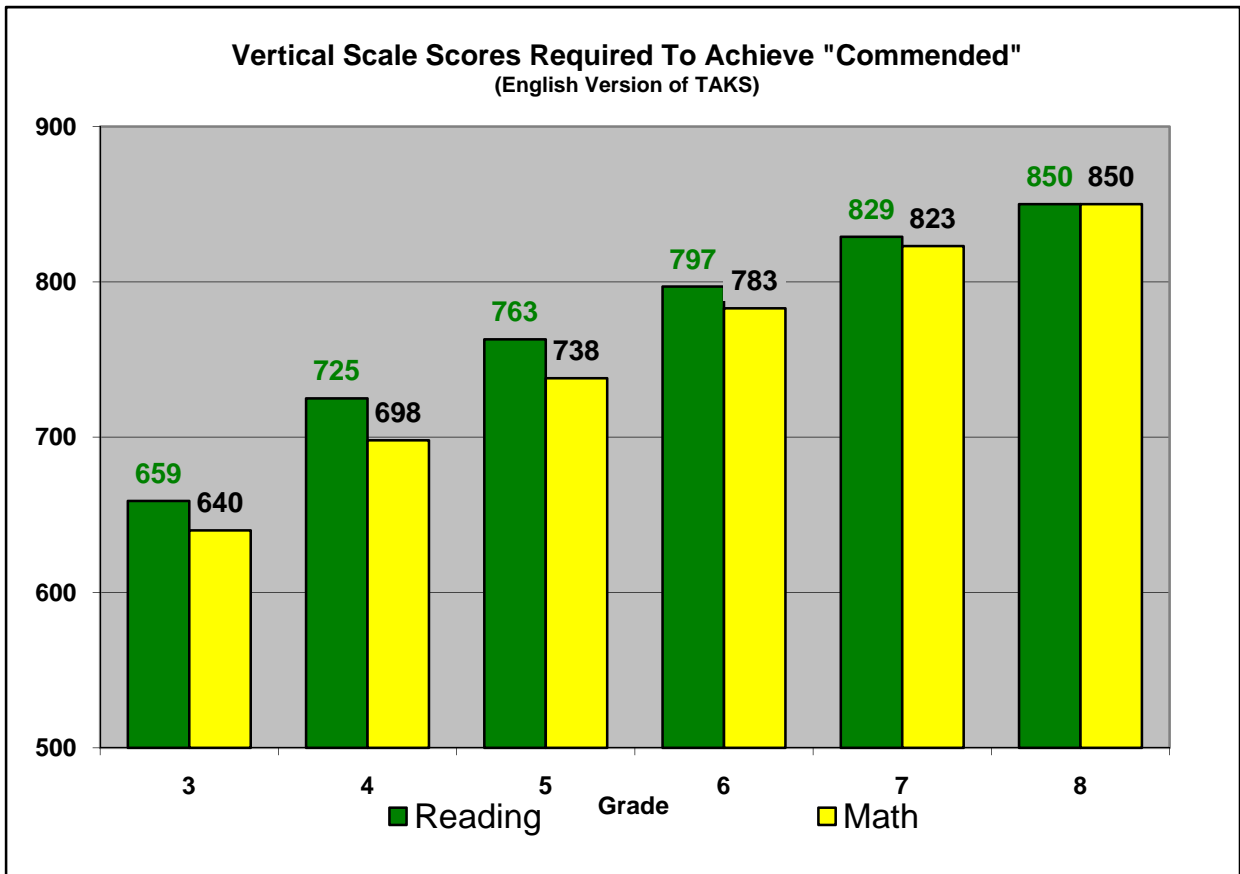
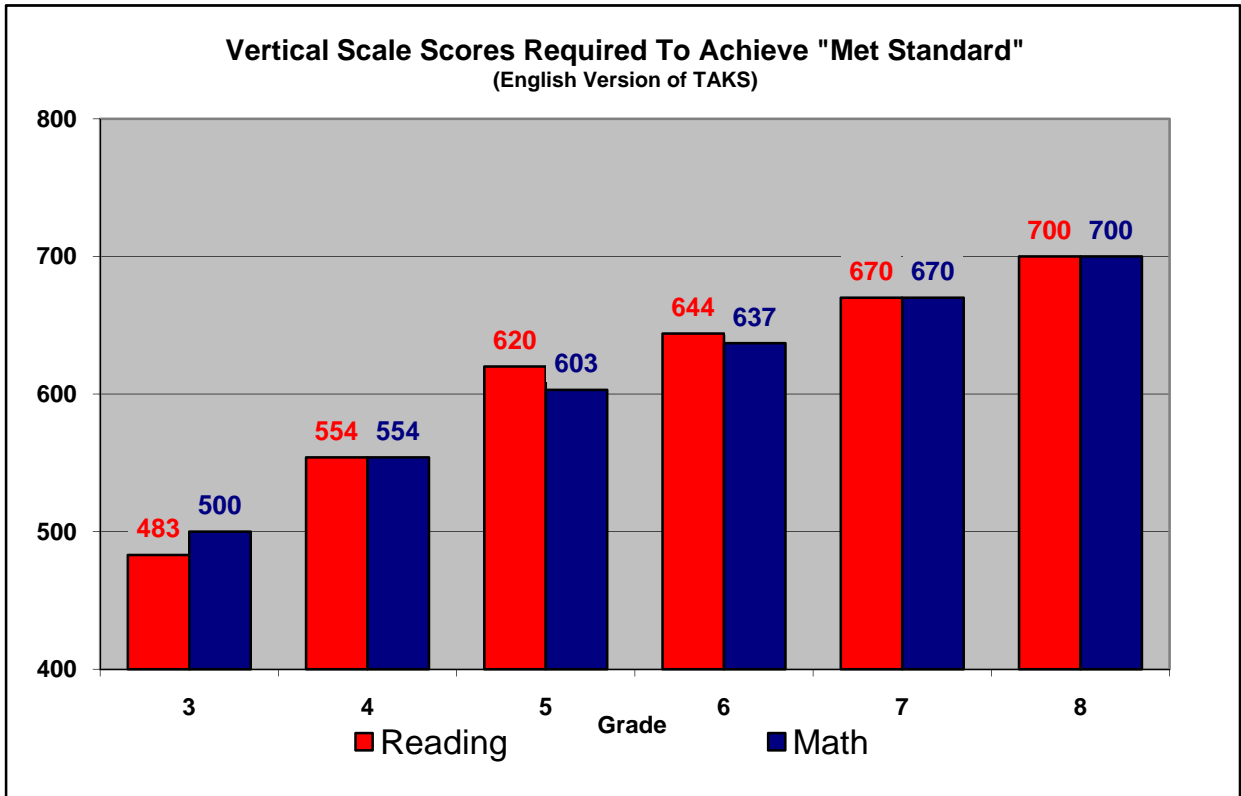
TGI Illustration - 4th to 5th Grade Math			
Year	Grade	Subject	Scale Score
2008	4th	Math	2020
2009	5th	Math	2020
Step	Description		Example
1	Scale Score in 2008		2020
2	"Multiplier" (from TEA table)		1.258
3	2008 SS x Multiplier (#1 x #2)		2541.160
4	"Starting Point" (from TEA table)		-530.830
5	"Expected Score" in 2009 (#3 + #4)		2010.330
6	Actual Scale Score in 2009		2020
7	TGI Difference (#6 - #5)		9.670
8	"Adjustment factor" (from TEA table)		160.010
9	Adjusted TGI (#7 ÷ #8)		0.06

- E. Beginning in 2009, Vertical Scale Scores will be reported for
 - 1. Reading – Grades 3-8 (including Spanish in Grades 3-6)
 - 2. Math – Grades 3-8 (including Spanish in Grades 3-6)
- F. Primary Advantage of Vertical Scales
 - 1. Will allow teachers and parents to evaluate year-to-year growth of students

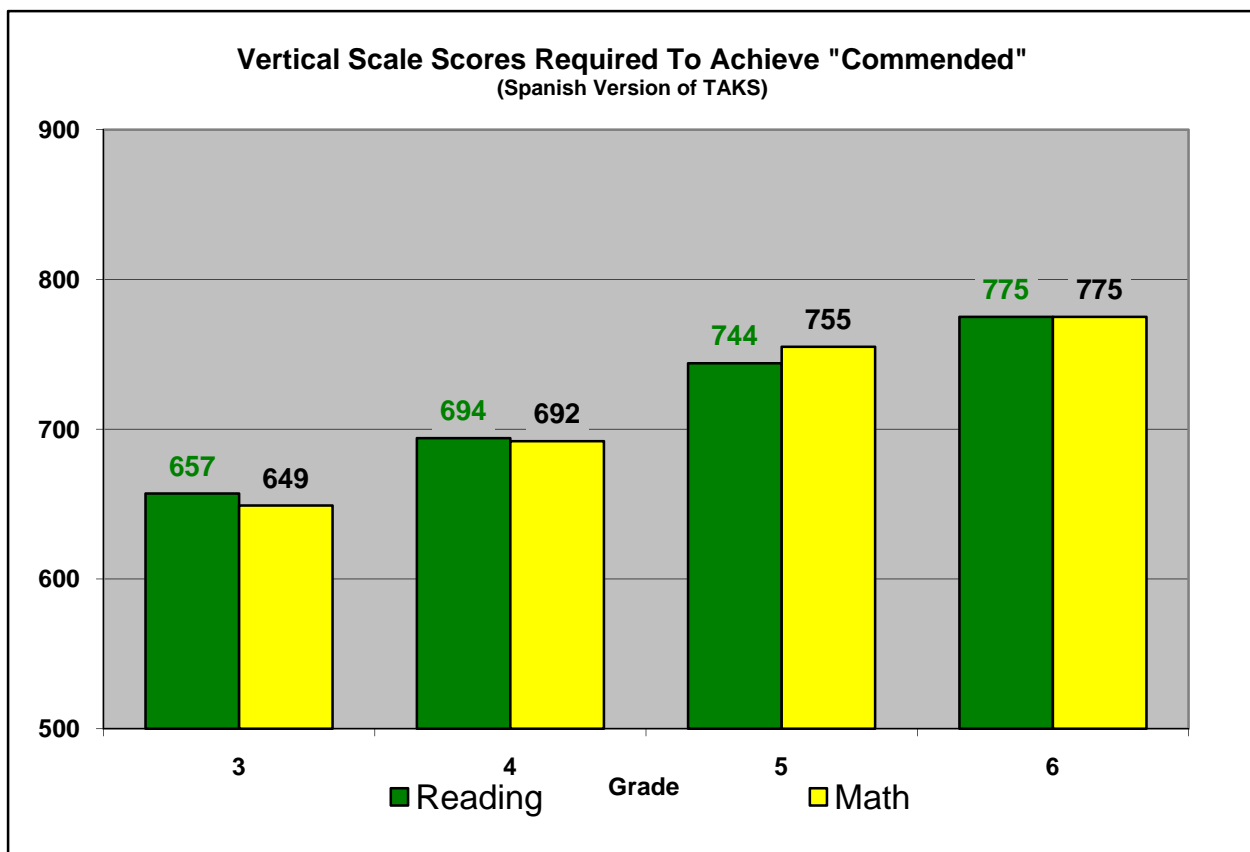
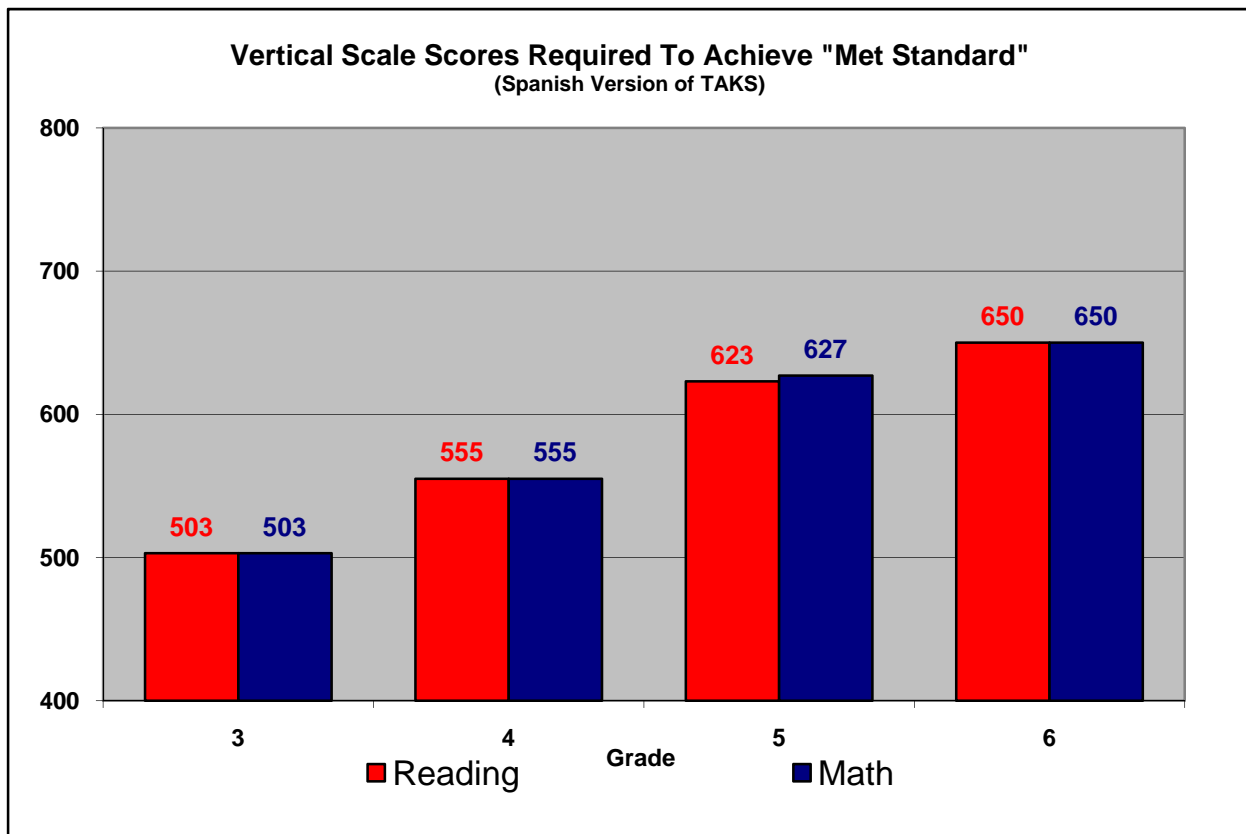
	Student's Horizontal Scale Score	Student's Vertical Scale Score	Met Standard (Vertical Scale)
2008 4th Grade Score	2020	515	554
2009 5th Grade Score	2020	571	603
Growth	0.06	56	49
<i>Question: Did student's actual growth (56 points) exceed expected growth (49 points)?</i>			

- G. Primary Disadvantage of Vertical Scales
 - 1. Separate standards for "Met Standard" and "Commended" for each subject and each grade level

**Vertical Scale Scores
for Met Standard and Commended
TAKS (English) – Math and Reading, Grades 3-8**



**Vertical Scale Scores
for Met Standard and Commended
TAKS (Spanish) – Math and Reading, Grades 3-6**



Texas Assessment of Knowledge and Skills Confidential Student Report

Name: _____
Date of Birth: _____
Student ID (PEIMS): _____

Report Date: APRIL 2009
Date of Testing: APRIL 2009

District: _____
Campus: _____

Local Student ID: _____
Class Group: _____

Reading

**Reading Test
was Administered
on March 3, 2009**

Info	Grade	Test Date	Scale Score	Met Standard	Commented Performance
	8	MARCH 2009	2100	YES	NO

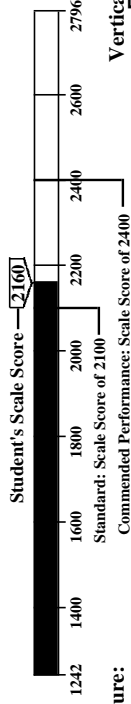
Texas Projection Measure—Projected to Meet Standard at Grade 11: YES

Social Studies

**Social Studies Test
to be Administered
on May 1, 2009**

Mathematics

	ITEMS Correct	Tested
1. Numbers, Operations, and Quantitative Reasoning	7	10
2. Patterns, Relationships, and Algebraic Reasoning	8	10
3. Geometry and Spatial Reasoning	7	7
4. Concepts and Uses of Measurement	3	5
5. Probability and Statistics	4	8
6. Mathematical Processes and Tools	6	10
TOTAL	35	50



Quantile Measure: 875Q
Vertical Scale Score: E-727

Info	Grade	Test Date	Scale Score	Met Standard	Commented Performance
	8	APRIL 2009	2160	YES	NO

Texas Projection Measure—Projected to Meet Standard at Grade 11: YES

Science

**Science Test
to be Administered
on April 30, 2009**

Texas Assessment of Knowledge and Skills Confidential Student Report

Name: _____
Date of Birth: _____
Student ID (PEIMS): _____

Report Date: MARCH 2009
Date of Testing: MARCH 2009

District: _____
Campus: _____

Local Student ID: _____
Class Group: _____

Reading

	Correct	Tested
1. Basic Understanding	6	12
2. Applying Knowledge of Literary Elements	6	10
3. Using Strategies to Analyze	8	10
4. Applying Critical-Thinking Skills	13	16
TOTAL	33	48

Student's Scale Score — 2100

Standard: Scale Score of 2100
Commented Performance: Scale Score of 2400

Info	Grade	Test Date	Scale Score	Met Standard	Commented Performance
	8	MARCH 2009	2100	YES	NO

Mathematics

**Mathematics Test
to be Administered
on April 7, 2009**

Social Studies

**Social Studies Test
to be Administered
on May 1, 2009**

Science

**Science Test
to be Administered
on April 30, 2009**