Select Committee on Public School Accountability

Growth Measures

"Value Added" Model

Dan Troxell, Ph.D.
Superintendent
Kerrville I.S.D.

Kerrville ISD – Value Added Model

What is a *Value Added* Model?

A *Value Added Model* is a process to improve student success based on two fundamental principles.

What are "Value Added" Principles?

Principle #1

State administered examinations should be used to improve individual student academic success.

What are "Value Added" Principles?

Principle #2

Student academic success can be compared from year to year to determine:

- Academic growth of a student in meeting state standards
- Specific interventions based on a needs assessment to improve individual student success

Student Needs Assessment

7th Grade TAKS Needs Assessment Profile

STUDENT: Amanda **CAMPUS 2007-2008:** TEXAS MIDDLE SCHOOL

Date of Administration: 04/07 **ID:** 999999999 **Date of Birth:** 10/31/1992 **Sex:** Female **Ethnicity:** White not Hispanic **LEP** - No

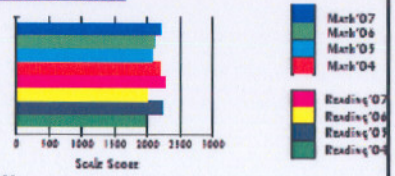
Program Participation ---- **Title 1** - No **Migrant** - No **Bilingual** - No **ESL** - No **G/T** - No **Special Ed** - No

Current and Historical Performance Indicators

Test	2004 SS	2005 SS	2006 SS	2007 SS	Anticipated 2007 Scale Score
Math	2205	2076	2122	2209	2098
Reading	1994	2234	2009	2298	2152

TAKS Outcomes

Math'07- Passed
Math'06- Passed
Math'05- Failed
Math'04- Passed
Reading'07- Passed
Reading'06- Failed
Reading'05- Passed
Reading'04- Failed



Lexile® - 1115L (Most 7th grade measures fall in range of 735L-1065L.)
Quantile® - 9100
Writing'07- Passed / 2335

OBJECTIVE LEVEL PERFORMANCE ANALYSIS

Instructional Areas Within Strike Zone

Math

Obj. 2 Patterns, Relationships, and Algebraic Reasoning — 70.0% Correct
Obj. 6 Mathematical Processes and Tools — 66.7% Correct

Reading

Obj. 3 Using Strategies to Analyze — 90.0% Correct
Obj. 4 Applying Critical Thinking Skills — 87.5% Correct

Aberrant Objectives

Student's objective performance was at least 1 standard deviation below campus performance on the following objectives.

Math

Obj. 5 Probability and Statistics — 42.9% Correct

Reading

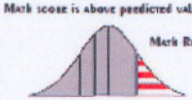
No Objectives in this Category.

Campus Response

RELATIVE PERFORMANCE ANALYSIS

Mathematics

Math score is above predicted value.



Math Residual is 1.07

Interpretive Analysis (Confidence Level Relatively High)

- CONCERN LEVEL LOW - however there's a probability student could slip backward
- NOTE: Regression to mean is now likely working against you
- Possible loss more likely if previous STASIS can be established
- Scenario Recommendation: INSTRUCTIONAL FOCUS (student likely inner directed)
- Refer to school response to Scenario #5

Performed much higher than other students with similar entry scores

Initial Math Data Based Assessment ----GREEN

Reading

Reading score is above predicted value.

Reading Residual is 1.41

Interpretive Analysis (Confidence Level Relatively High)

- CONCERN LEVEL LOW - however there's a probability student could slip backward
- NOTE: Regression to mean is now likely working against you
- Possible loss more likely if previous STASIS can be established
- Scenario Recommendation: INSTRUCTIONAL FOCUS (student likely inner directed)
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Performed much higher than other students with similar entry scores

Initial Reading Data Based Assessment ----GREEN

IMPORTANT NOTE: All statements made in this document are based on statistical probabilities only and are not meant to imply definitive outcomes of any sort.

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TEXAS ISD

Historical Assessment Profile

7th Grade TAKS Needs Assessment Profile

STUDENT: Amanda **CAMPUS 2007-2008:** TEXAS MIDDLE SCHOOL

Date of Administration: 04/07 **ID:** 999999999 **Date of Birth:** 10/31/1992 **Sex:** Female **Ethnicity:** White not Hispanic **LEP** - No

Program Participation ---- **Title I** - No **Migrant** - No **Bilingual** - No **ESL** - No **G/T** - No **Special Ed** - No

Current and Historical Performance Indicators

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Math	2205	2076	2122	2209	2098
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TAKS Outcomes

Math'07-	Passed
Math'06-	Passed
Math'05-	Failed
Math'04-	Passed
Reading'07-	Passed
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Reading'05-	Passed
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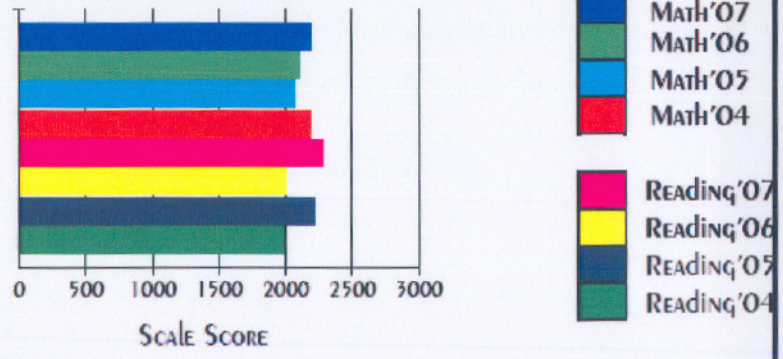


Lexile® - 1115L (Most 7th grade measures fall in range of 735L-1065L.)

Quantile® - 910Q

Writing'07- **Passed** / 2335

TAKS Objective Analysis

OBJECTIVE LEVEL PERFORMANCE ANALYSIS

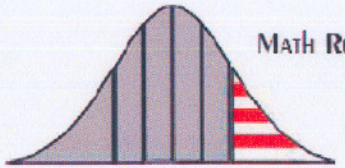
Instructional Areas Within Strike Zone		Campus Response
Math		
Obj. 2 Patterns, Relationships, and Algebraic Reasoning	70.0% Correct	
Obj. 6 Mathematical Processes and Tools	66.7% Correct	
Reading		
Obj. 3 Using Strategies to Analyze	90.0% Correct	
Obj. 4 Applying Critical Thinking Skills	87.5% Correct	
Aberrant Objectives		
Student's objective performance was at least 1 standard deviation below campus performance on the following objectives.		
Math		
Obj. 5 Probability and Statistics	42.9% Correct	
Reading		
No Objectives in this Category.		

Relative Performance Analysis

RELATIVE PERFORMANCE ANALYSIS

Mathematics

Math score is above predicted value.



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Performed much higher than other students with similar entry scores

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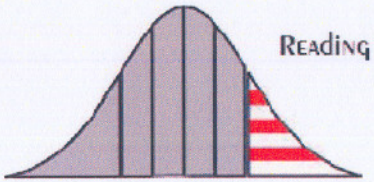

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Initial Reading Data Based Assessment ----GREEN

Sample Scenario Grid – Part I

	Tail Left	Slightly Left	Centered	Slightly Right	Tail Right
Green	1 Principal contact (call/meet w/ parents) Advisory Programs Guidance Classes Life Skills Classes Outdoor Education Study Island TAKS Talks	2 Principal calls in student Advisory Programs Guidance Classes Life Skills Classes Outdoor Education Study Island TAKS Talks	3 Advisory Programs Guidance Classes Life Skills Classes Outdoor Education Study Island TAKS Talks	4 Advisory Programs Guidance Classes Life Skills Classes Outdoor Education Study Island TAKS Talks	5 Destination Imagination Advisory Programs Guidance Classes Life Skills Classes Outdoor Education Study Island TAKS Talks
Blue	6 Counseling Support Groups FISH Camp Study Buddies Parent Meeting Advisory Programs Guidance Classes Life Skills Classes Outdoor Education Study Island TAKS Talks	7 Counseling Support Groups FISH Camp Study Buddies Parent Meeting Advisory Programs Guidance Classes Life Skills Classes Outdoor Education Study Island TAKS Talks	8 Adopt A Wildcat Parent Meeting Advisory Programs Guidance Classes Life Skills Classes Outdoor Education Study Island TAKS Talks	9 Adopt A Wildcat Mentoring Rise & Shine TAKS Remediation Number Crunchers/Crazy Math Advisory Programs Guidance Classes Life Skills Classes Outdoor Education Study Island TAKS Talks	10 Adopt A Wildcat Mentoring Rise & Shine TAKS Remediation Number Crunchers/Crazy Math Advisory Programs Guidance Classes Life Skills Classes Outdoor Education Study Island TAKS Talks
Gray	11 Adopt A Wildcat Mentoring Study Buddies Tutorials (peer) Advisory Programs Guidance Classes Life Skills Classes Outdoor Education Study Island TAKS Talks	12 Adopt A Wildcat Mentoring Study Buddies Tutorials (peer) Advisory Programs Guidance Classes Life Skills Classes Outdoor Education Study Island TAKS Talks	13 Adopt a Wildcat Rise & Shine TAKS Remediation Tutorials (am/pm group) Study Skills Number Crunchers/Crazy Math Advisory Programs Guidance Classes Life Skills Classes Outdoor Education Study Island TAKS Talks	14 Advisory Programs Guidance Classes Life Skills Classes Outdoor Education Study Island TAKS Talks	15 Advisory Programs Guidance Classes Life Skills Classes Outdoor Education Study Island TAKS Talks

Sample Scenario Grid – Part II

Yellow	16 Adopt A Wildcat Mentoring FISH Camp Rise & Shine TAKS Remediation Number Crunchers/Crazy Math Tutorials (am/pm group) Advisory Programs Guidance Classes Life Skills Classes Outdoor Education Study Island TAKS Talks	17 Adopt A Wildcat Mentoring FISH Camp Rise & Shine TAKS Remdeiation Number Crunchers/Crazy Math Tutorials (am/pm group) Advisory Programs Guidance Classes Life Skills Classes Outdoor Education Study Island TAKS Talks	18 FISH Camp Advisory Programs Guidance Classes Life Skills Classes Outdoor Education Study Island TAKS Talks	19 FISH Camp Advisory Programs Guidance Classes Life Skills Classes Outdoor Education Study Island TAKS Talks	20 FISH Camp Advisory Programs Guidance Classes Life Skills Classes Outdoor Education Study Island TAKS Talks
Red	21 Adopt A Wildcat Mentoring FISH Camp Extended Day Study Skills Soar to Success YES Tutorials (one on one) Rise & Shine TAKS Remediation Number Crunchers/Crazy Math Advisory Programs Guidance Classes Life Skills Classes Outdoor Education Study Island TAKS Talks	22 Adopt A Wildcat Mentoring FISH Camp Extended Day Study Skills Soar to Success YES Tutorials (one on one) Rise & Shine TAKS Remediation Number Crunchers/Crazy Math Advisory Programs Guidance Classes Life Skills Classes Outdoor Education Study Island TAKS Talks	23 FISH Camp Soar to Success Rise & Shine TAKS Remediation Number Crunchers/Crazy Math Advisory Programs Guidance Classes Life Skills Classes Outdoor Education Study Island TAKS Talks	24 FISH Camp Soar to Success Extended Day Advisory Programs Guidance Classes Life Skills Classes Outdoor Education Study Island TAKS Talks	25 FISH Camp Soar to Success Extended Day Advisory Programs Guidance Classes Life Skills Classes Outdoor Education Study Island TAKS Talks

How is INOVA implemented in Kerrville ISD?

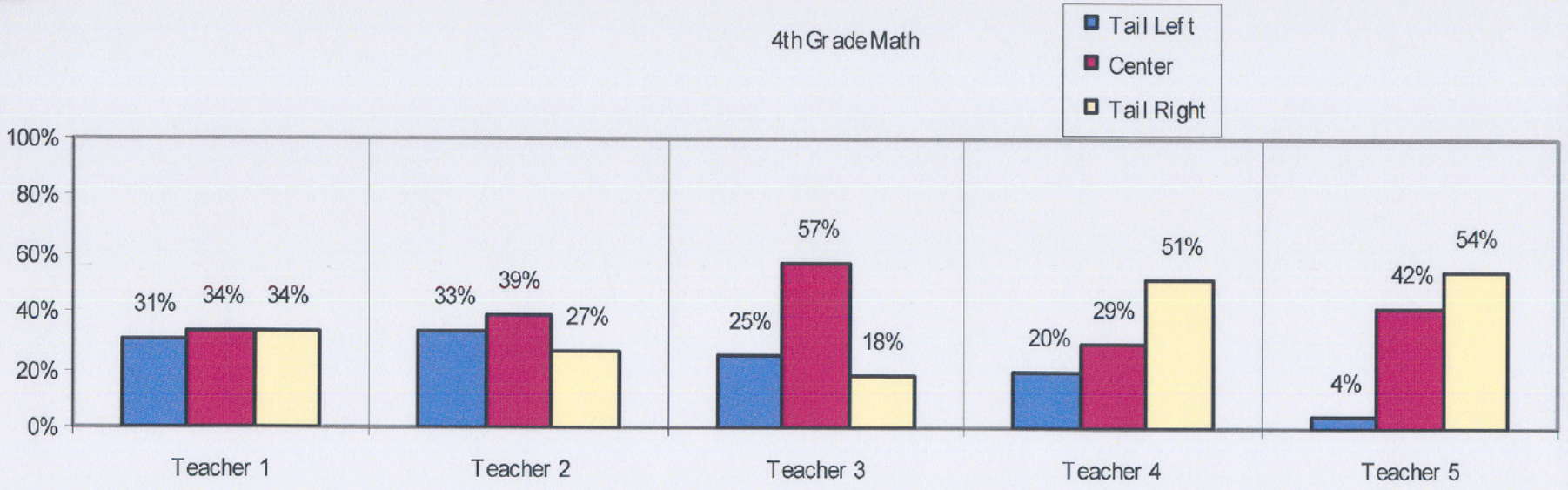
Greater Hill Country – San Antonio Consortium

- Alamo Heights ISD
- Bandera ISD
- Center Point ISD
- Comfort ISD
- Ingram ISD
- Kerrville ISD
- Medina Valley ISD

Meetings

- Ramirez Training
- Grade Level Sharing Sessions

How is INOVA implemented in Kerrville ISD?



Kerrville ISD Demographics

- Student Enrollment 4800
- Economically Disadvantaged 47%
- Ethnic Distribution
  - African American 4%
  - Hispanic 40%
  - White 55%

Student Success

- Recognized District
- Seven standard campuses:
  - 2 Exemplary
  - 3 Recognized
- KISD met Adequate Yearly Progress (AYP) at campuses and at the district level
- Three Campuses – *Texas Business and Educati Coalition (TBEC) Honor Roll Schools*

Student Success

- One Campus – The *National Title I Elementary Distinguished School for 2006-2007 in Texas*
- Two Campuses – Title I, Part A Distinguished Performance Award recipients
- Three Campuses – recognized by *Texas Monthly Magazine*
- TAKS scores increased in 22 out of the 27 tested areas from 2006 to 2007

Student Success

- TAKS scores exceeded the state average in every subject tested
- Achieved or exceeded state averages by at least 10% in 25 of 36 TAKS tested areas
- Commended Performance rates exceeded the state rates in all TAKS areas
- All campuses received two or more TEA "Gold Performance" ratings for Commended Performances on the TAKS test

Student Success

- One campus is recognized by the Texas Education Agency as "Best Practices Clearinghouse School" for fifth grade science
- Eleven (11) high school students were named as National Merit Scholars in the past three graduating classes
- 186 students took 247 Advanced Placement examinations in 2007
- High school is named a Region 20 Outstanding school in math and science