



# Texas Regional Collaboratives for Excellence in Science and Mathematics Teaching

## TRC Evaluation

*Project Directors Meeting  
September 30, 2010  
Houston, Texas*



**THANK YOU!**



# Statewide Impact in 2009-10

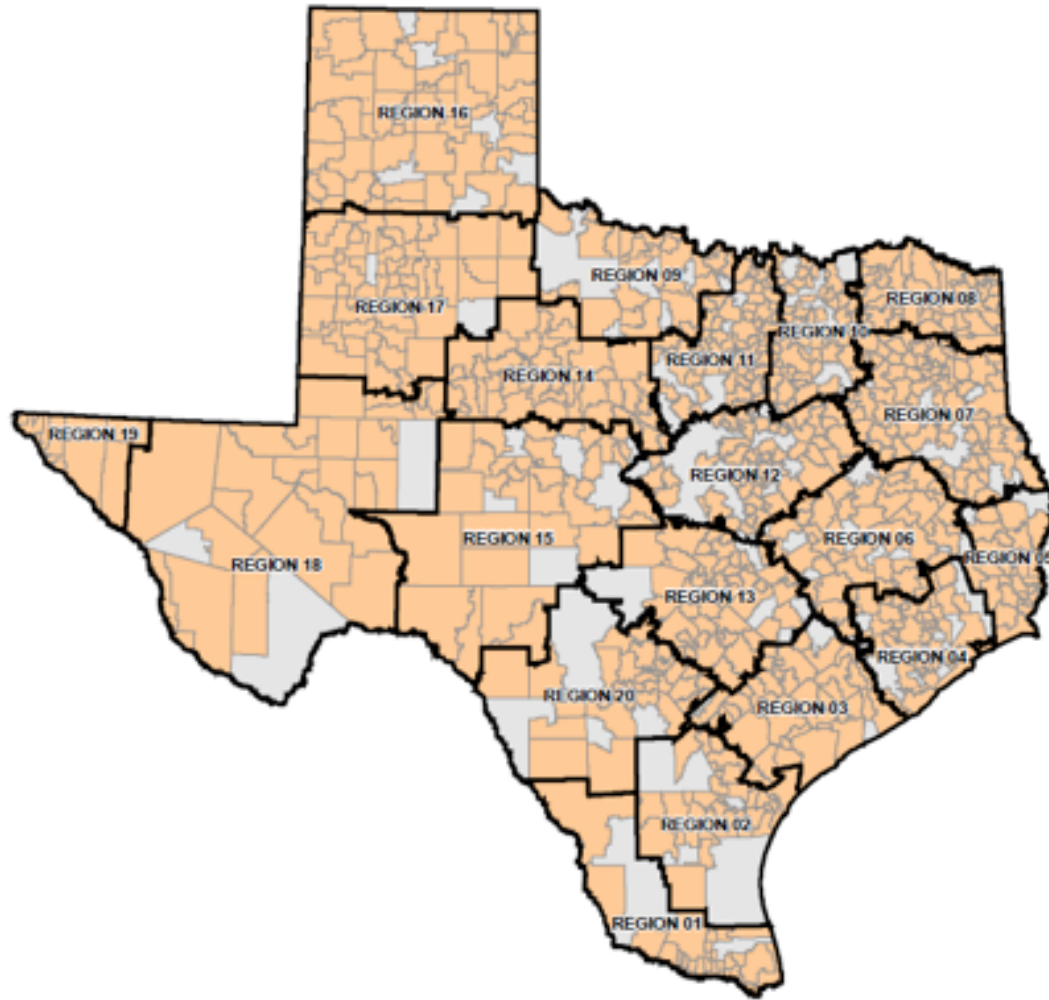
**SCIENCE**

2009-2010

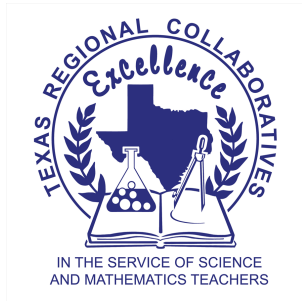
**MATHEMATICS**

<b>36</b>	<b>COLLABORATIVES</b>	<b>24</b>
<b>632</b>	<b>DISTRICTS</b>	<b>675</b>
<b>2,062</b>	<b>CAMPUSES</b>	<b>1,862</b>
<b>8,138</b>	<b>TEACHERS</b>	<b>6,682</b>
<b>451,206</b>	<b>STUDENTS</b>	<b>347,072</b>

★ Data compiled from August 1, 2009 - July 31, 2010



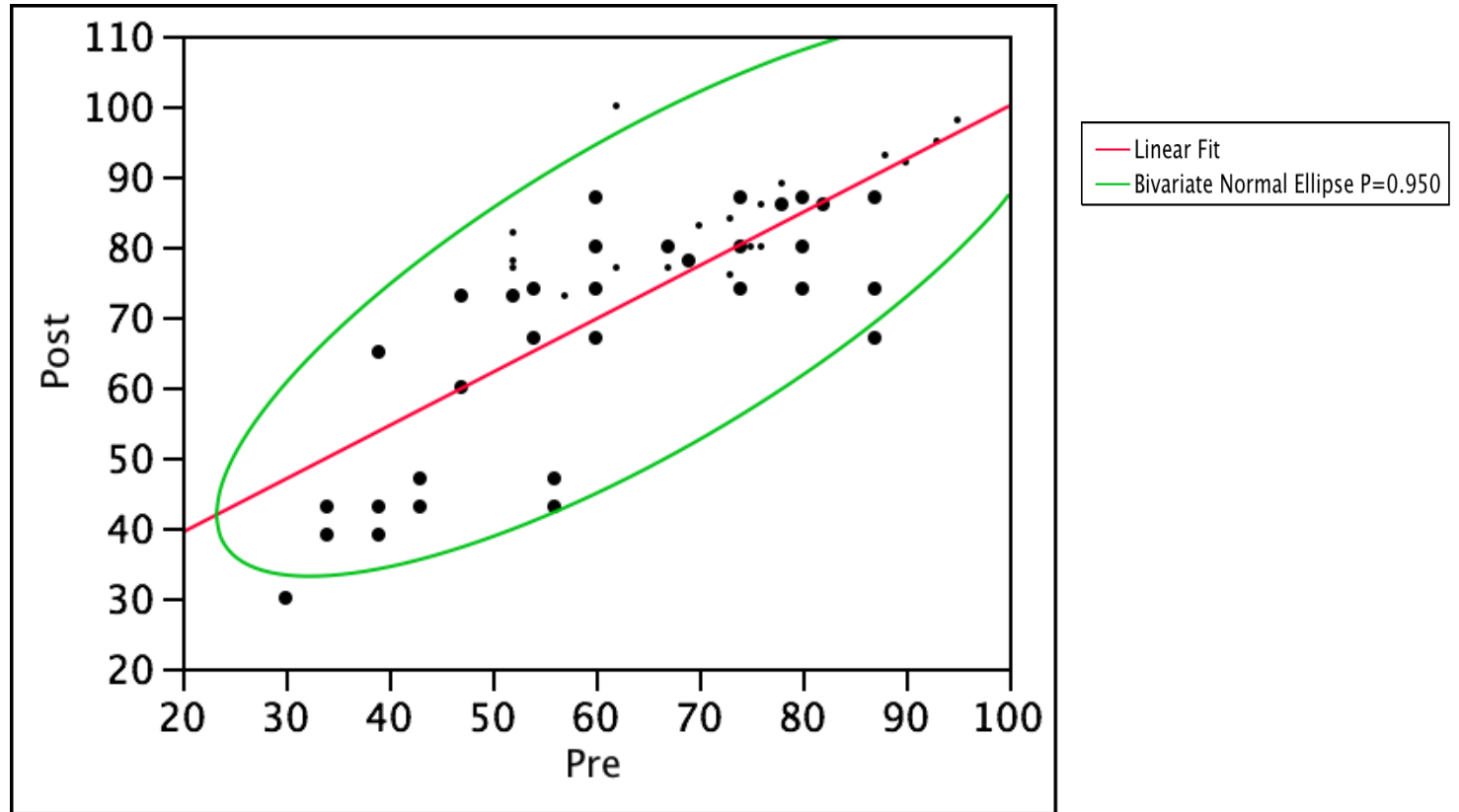
2008 -2009 TRC District Impact



# TRC is charged to impact

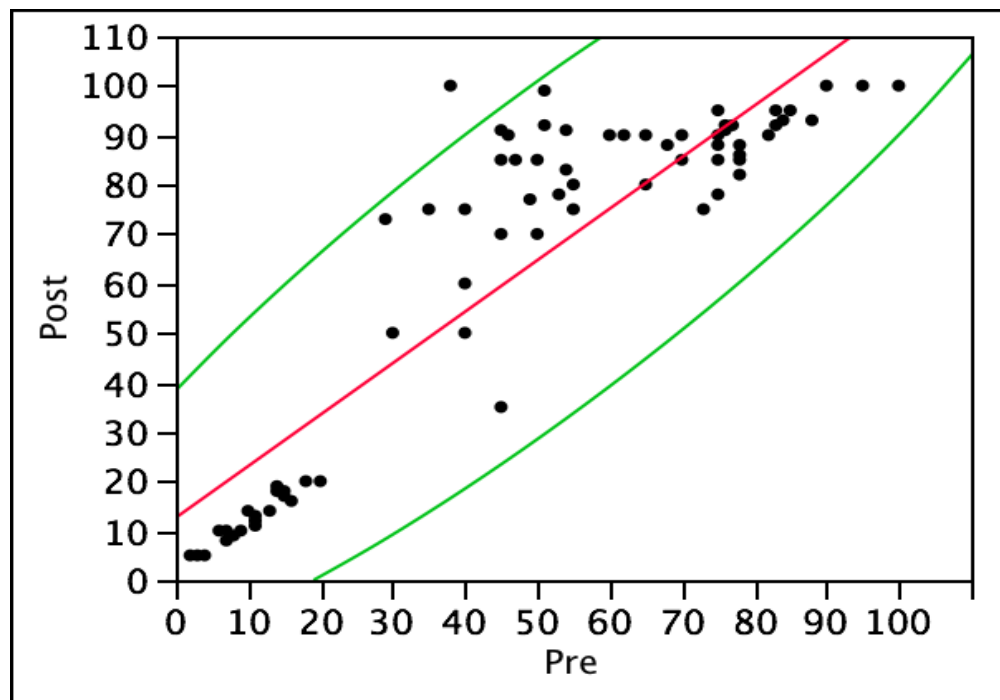
- Teacher content knowledge
- Teacher instructional practices/skills
- Student Achievement

# Physics Teacher Content Measure



Variable	Mean	Std Dev	Correlation	Signif. Prob	Number
Pre	64.55	16.84267	0.781482	<.0001*	60
Post	73.1	16.34967			

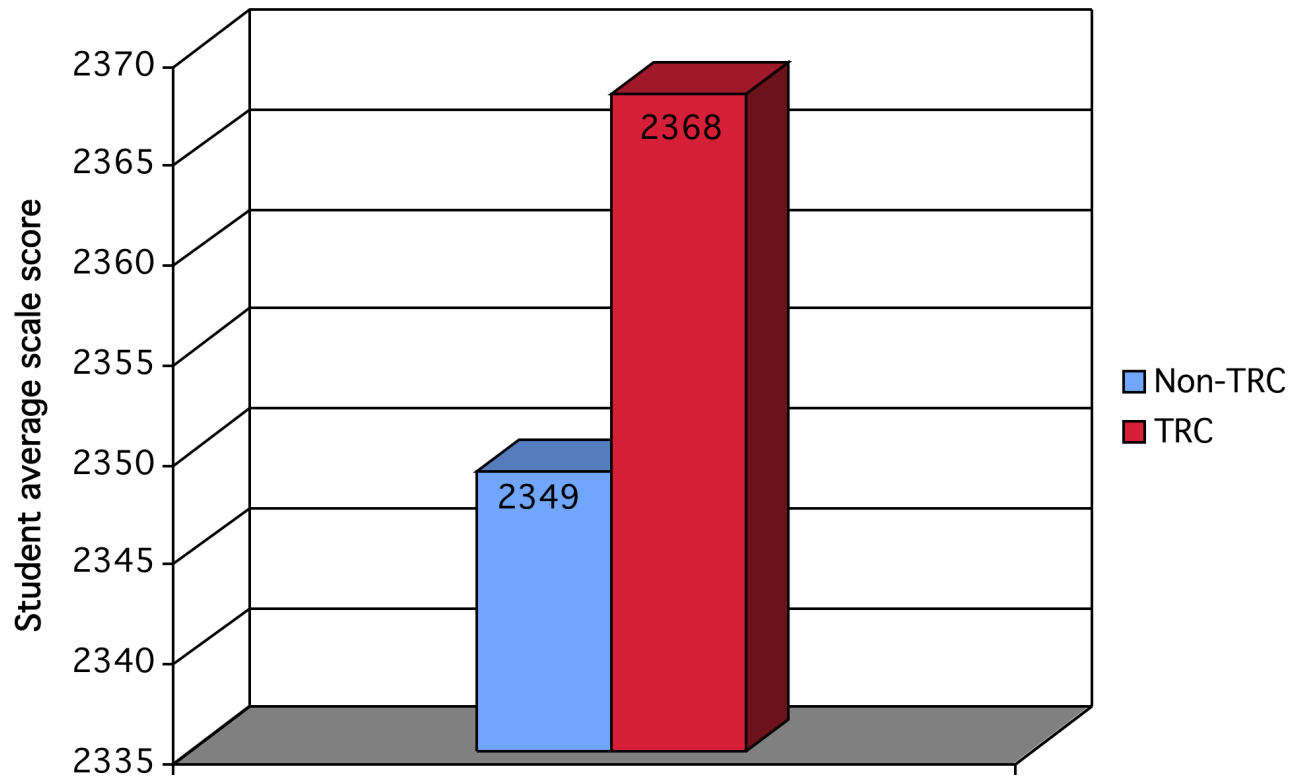
# Chemistry Teacher Content Measure



Variable	Mean	Std Dev	Correlation	Signif. Prob	Number
Pre	51.01266	29.64728	0.901855	<.0001*	79
Post	65.72152	34.23559			



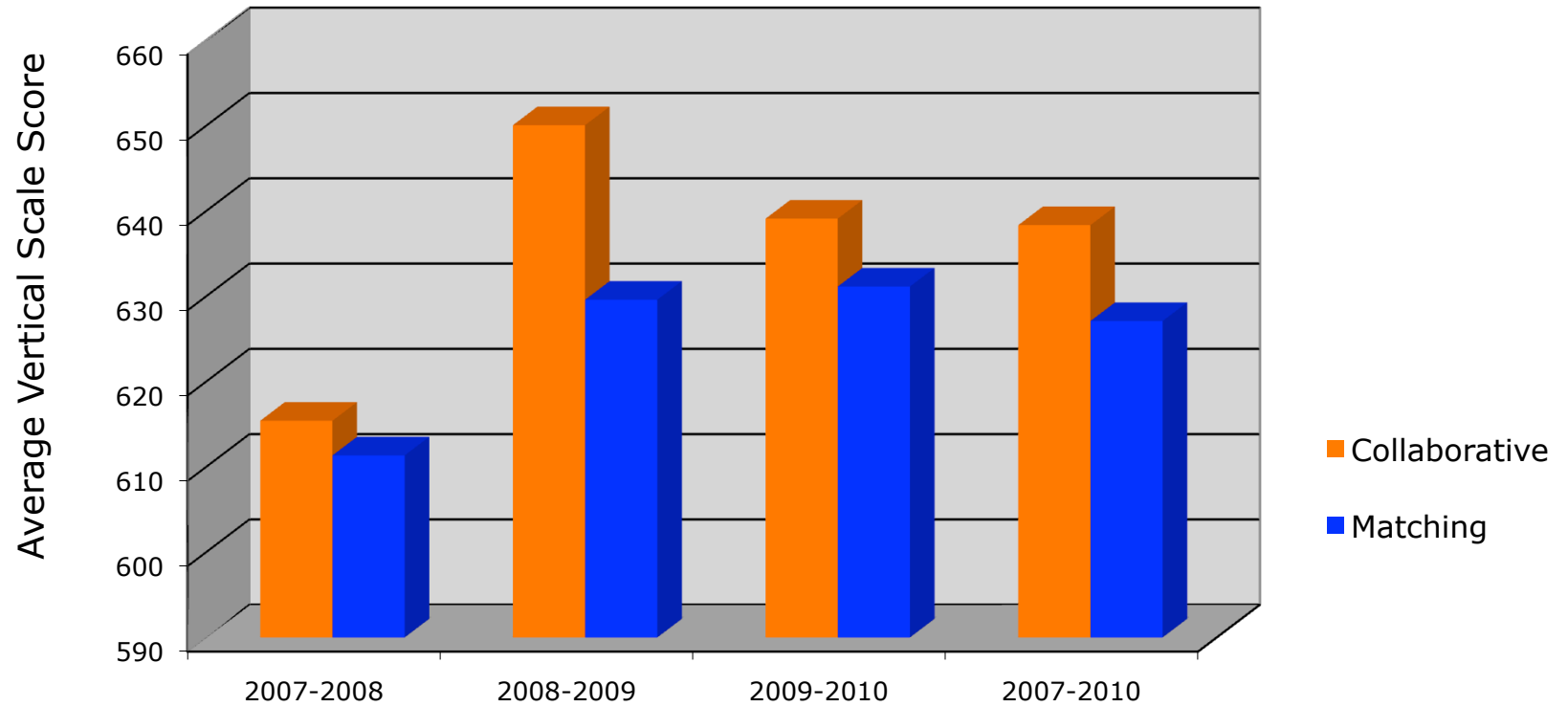
# Rice University 5<sup>th</sup> Grade Science TAKS



Non-TRC N = 3114; TRC N = 2786;  $p < 0.05$



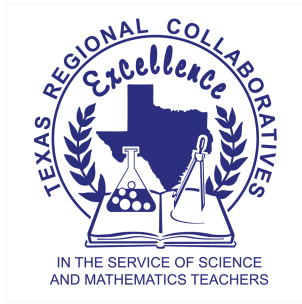
# UT Tyler 4<sup>th</sup> Grade Math 2007-2010 TAKS





# We need reliable and valid data to

Understand the needs of our students,  
make professional development decisions,  
to measure teacher content knowledge,  
and to enhance instructional practices.



This is a voluntary mandate!

Highly recommended!

All TRC teachers will implement  
[www.TMSDS.org](http://www.TMSDS.org)

# Suggested methods for use

- Needs Assessment
- Growth Models

# Enrolling in TMSDS

[https://ac.corek12.com/assessmentcenter/  
TMSDSEnrollment.aspx](https://ac.corek12.com/assessmentcenter/TMSDSEnrollment.aspx)

# Timeline


- Test 1: October 25 - November 19
- Test 2: November 22 – December 18
- Test 3: February 1 – 28
- Test 4: March 1 - 31

# Redesigned look and feature set




The screenshot shows a redesigned login page for the Texas Mathematics and Science Diagnostic System (TMSDS). The page has a blue background and a red border. At the top left is the TMSDS logo and the text "TEXAS EDUCATION AGENCY Welcome to the Texas Math and Science Diagnostic System". At the top right, it says "POWERED BY CORE K12 ASSESSMENT CENTER". The main heading is "Welcome to TMSDS!" followed by the text "This coming school year, TMSDS will provide science test items aligned to the new science standards." Below this is a photograph of students in a computer lab. To the right of the photo is a login form with fields for "User Name" and "Password", and a green "LOGIN" button. At the bottom, there are links for "District/School Enrollment", "Video: TEA Welcome", "Online Training for TMSDS", and "Is Your Computer TMSDS-Friendly?". The footer contains the copyright notice "Copyright © 2010 CORE Education and Consulting Solutions, Inc."

# Expanded screen view for reports



TEXAS EDUCATION AGENCY  
Welcome to the Texas Math and Science Diagnostic System







Hello WILBUR  
[Sign Out](#) | [Support](#)

Reports | Assessments | Program Materials

### Item Response Report

Grade 5 Mathematics Periodic Assessment Quarter 1 2009 2010

The table below shows, at a glance, each student's answer choice for each question on the assessment. This report provides data analyzable for patterns of understanding or misunderstanding on this assessment. The Printer-Friendly version of reports requires Adobe Acrobat Reader, [click here](#) to download.

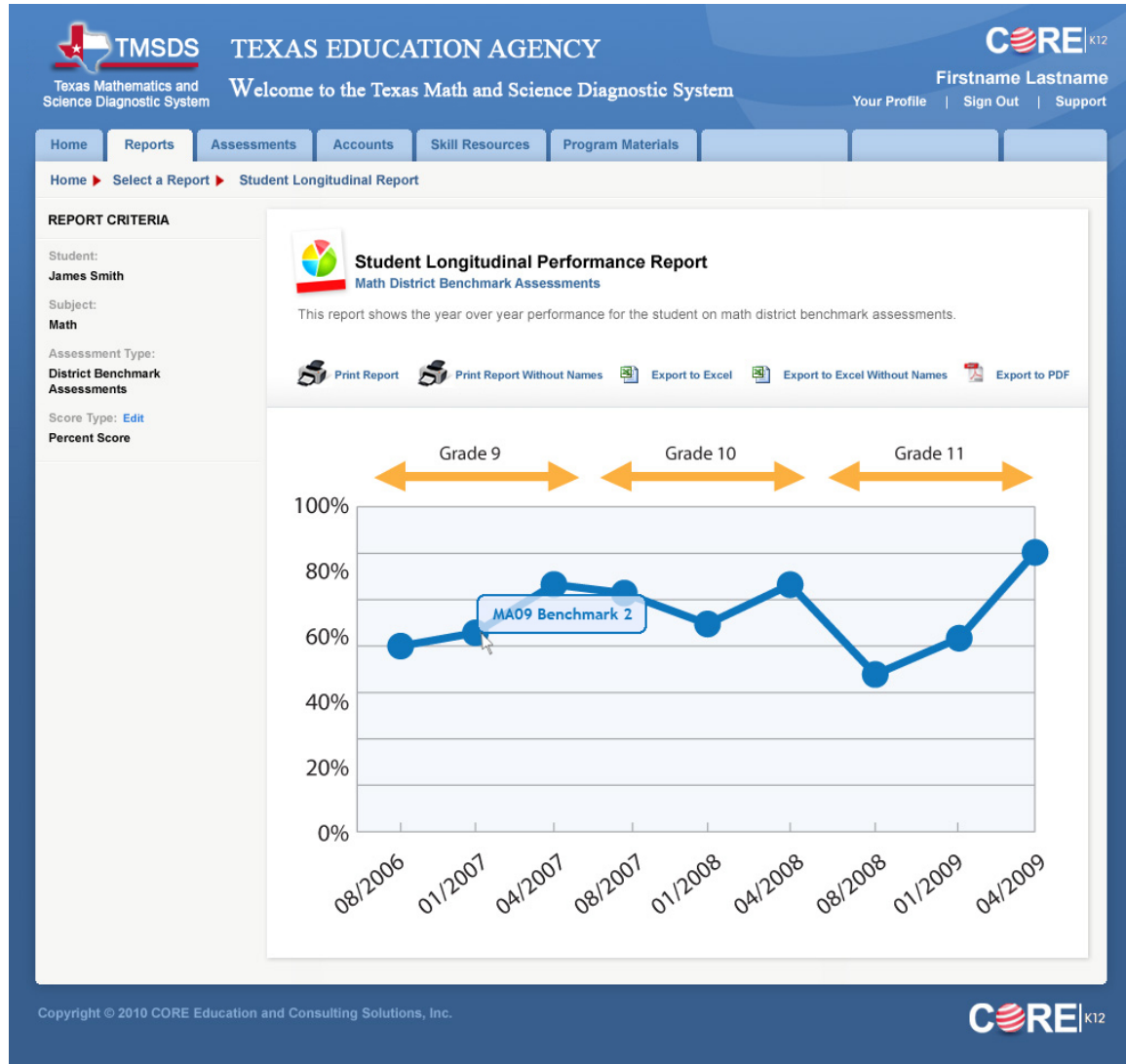
 Export To Excel
  Export To Excel Without Names
  Export To PDF
  Export To PDF Without Names

**33 Assessments Scored/33 Students Enrolled**

- Proficient (70% – 100%)
- ▼ Approaching Proficiency (40% – 69%)
- Below Proficiency (0% – 39%)

Question#	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
% of Correct Responses or Average Score	91%	52%	97%	6%	76%	85%	100%	39%	88%	97%	55%	76%	73%	55%	73%	85%	52%	27%	67%	88%	73%	88%	73%	85%	94%	48%	24%	18%	85%	91%	1.3 Avg				
Standard	5 NS 2.2	5 AF 1.2	5 NS 2.1	NS 1.1	5 NS 2.2	NS 1.1	5 NS 2.1	5 NS 2.1	5 AF 1.2	5 NS 2.1	5 NS 2.1	NS 1.3	5 NS 2.2	5 AF 1.2	5 NS 2.1	5 NS 2.1	5 AF 1.2	5 NS 2.1	5 AF 1.2	5 NS 2.2	5 NS 2.1	NS 1.3	5 AF 1.2	5 NS 2.2	NS 1.3	NS 1.1	NS 1.1	AF 1.3	NS 1.1	5 AF 1.2	NS 1.3	5 NS 2.1			
Correct Answer/Total Points Possible	C	C	D	B	D	A	A	B	C	D	A	D	C	B	A	D	C	B	B	C	B	C	C	C	B	A	D	B	B	D	4				
Student Name	Student ID	Raw Score	% Correct																																
ARIAS, GLORIA KARINA	102199F040	26	76%	+	A	+	A	B	+	+	C	+	+	+	+	+	+	+	C	+	B	+	+	+	A	+	+	+	C	+	+	4			
CAIN, VALERY	022399F069	17	50%	+	+	+	A	+	+	+	D	+	+	+	+	B	+	D	+	+	C	+	A	+	D	D	D	A	C	B	C	+	+	0	
CARMONA JR, JORGE	020899M029	23	68%	+	A	+	A	+	+	+	C	+	+	+	+	A	D	+	+	C	+	+	+	+	+	+	+	+	B	C	+	+	1		
CHAVEZ, SHYLA	020399F014	25	74%	+	+	+	A	+	+	+	C	+	+	+	+	+	D	+	+	+	+	+	+	+	+	+	C	B	C	+	+	1			
DE LOS SANTOS, ADRIAN	071098M133	24	71%	+	+	+	A	+	+	+	+	D	+	+	+	+	+	+	A	C	A	+	+	+	+	+	+	+	B	C	+	+	1		
EA, CHRIS	122598M009	26	76%	+	D	+	A	+	+	+	+	+	+	+	+	D	+	+	+	+	+	+	+	+	+	+	+	+	+	D	+	+	1		
ESQUEDA, ERICK	102299M032	25	74%	+	D	+	A	+	+	+	+	+	+	+	+	+	+	D	C	D	+	+	+	+	+	+	+	+	+	C	+	+	1		
ESTRADA, VALERIE	120498F066	24	71%	+	+	+	A	+	+	+	+	+	+	+	+	+	+	A	A	+	+	+	+	+	D	+	+	+	B	D	+	+	1		
FIGUEROA, DESTINY	072799F019	18	53%	A	+	+	D	C	+	+	+	+	+	+	+	C	+	+	+	B	+	C	D	+	C	A	D	+	+	C	B	D	+	+	1
FIGUEROA, JOSE	021698M092	20	59%	+	D	+	A	+	+	+	D	+	+	+	C	+	+	D	+	+	D	C	+	+	D	+	+	+	+	B	C	+	C	1	
FLORES AVALOS, JORGE	100899M088	16	47%	+	D	+	A	+	B	+	+	+	+	+	D	+	A	C	+	B	+	D	+	+	A	+	B	+	+	C	B	A	C	+	1

# Longitudinal Reporting



# Need help!

- CORE K12 Customer Support: 888.778.7737
- TRC Contact: Dr. Todd Sherron, Ph.D.
- My Office: 512-232-8063
- My Cell: 512-921-1630