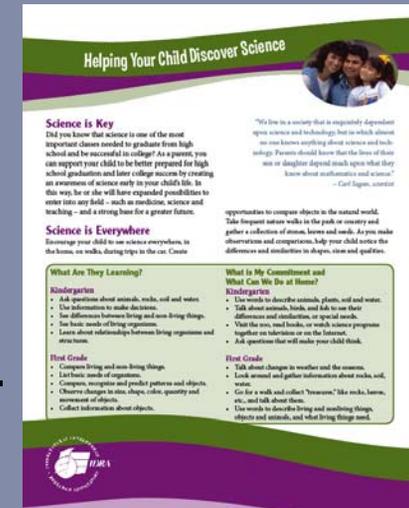


Stellar Project

- Collaborative that includes Texas State University, San Marcos CISD and IDRA
- Improvement of Science achievement for EL at elementary and middle school
- Components:
 - 1) Strengthening science pedagogical and content knowledge
 - 2) Supporting EL teachers with intensive mentoring and coaching activities
 - 3) Engaging parents and school personnel in constructive dialogue to improve science achievement of EL

Creating Effective Outreach and Support for Parents

- Training for parent liaisons – Train the trainer approach
- Parent leadership training – IDRA resources
- Welcome centers at each school
- Science Saturdays for students and parents with Texas State University
- ***Helping Your Child Discover Science**** - bilingual resource guide K-8



* available from IDRA



Math on the Border

Families Inquiring about the
Teaching and Learning of Algebra

Aurelio M. Montemayor, M.Ed., IDRA

Assumptions

Deficit Assumptions

Most poor, ELL children won't master algebra

Parents don't care

Poor families have little to contribute to math education

Valuing Assumptions

Parents care about all children learning math

Parents can use actionable data

Schools can learn from families

Actionable Data

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Enter a campus name | MEMORIAL HIGH SCHOOL: EDGEWOOD ISD

http://www.idra.org/?CAMPUS=15905003 - AYP Performance for 2010 - Windows Internet Expl...

In Texas this school is Academically Acceptable for 2010
 In 2010 this school did not meet AYP Graduation Rate

[Compare to other schools](#) [Comments about this school](#) [Continue for more information](#)

Schools must be held accountable for more than just a minimum standard. AYP is the accountability standard for ICCLB

BEXAR COUNTY: EDGEWOOD ISD : MEMORIAL HIGH SCHOOL

Group	Reading (%)	Math (%)
All	73%	56%
African-American	N/A	N/A
Hispanic	73%	56%
White	N/A	N/A
LEP	17%	32%

Population Summary

Total	1244
African-American	18
Hispanic	1217
White	
Limited English Proficient	102

Questions to think about:

- Has your campus gained "acceptable" or better status as designated by the state's accountability system?
- Have you received yearly updates on the performance of your school?
- Do you feel that this campus has adequately prepared your student to excel and not simply "pass" the test?

[Click to answer or make notes](#)

Source Texas Education Agency <http://ritter.tea.state.tx.us/ayp/2010/index.html>

College Preparation 3

How well does this school prepare students for college?

[Find out more..](#)

College Access for Success 4

How well does this school perform in getting students into college?

[Find out more..](#)



Parent-Designed Survey

1. My children have high grades in math.

Mis hijos tienen altas calificaciones en matemáticas.

Never *Nunca*

Rarely *Raramente*

Sometimes *A Veces*

Often *Seguido*

Always *Siempre*

2. Students are encouraged to ask questions.

Se les anima a los estudiantes que hagan preguntas.

Never *Nunca*

Rarely *Raramente*

Sometimes *A Veces*

Often *Seguido*

Always *Siempre*

3. When students don't understand a concept, different ways are used to teach it.

Cuando los estudiantes no entienden un concepto, se usan distintas maneras para enseñarlo.

Never *Nunca*

Rarely *Raramente*

Sometimes *A Veces*

Often *Seguido*

Always *Siempre*

Student Presentations

- Students who were not excelling in math...
- Collected the data...
- Presented findings
 - Noticeable variance between adult and student responses
 - Student interpretation

“Parents, you think teachers encourage and answer questions and they re-teach in different ways. We students experience it differently”

Conclusions

- Parents can conduct critical inquiry into the teaching and learning of math
- Schools can learn from families about the teaching and learning of math.



IDRA Resources



Classnotes Podcast

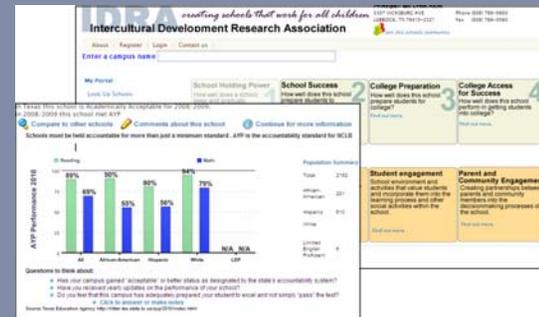


IDRA Newsletter

Book: *Courage to Connect – A Quality Schools Action Framework™*



Graduation for All email newsletter (bilingual)



Contact us...

Intercultural Development Research Association

5815 Callaghan Road, Suite 101

San Antonio, Texas 78228

210.444.1710 •• contact@idra.org

www.idra.org

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