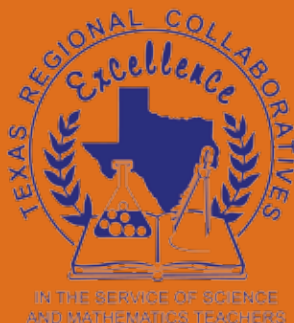


TEXAS REGIONAL COLLABORATIVES FOR EXCELLENCE IN SCIENCE AND MATHEMATICS TEACHING



***Dynamic Partnerships
for Twenty-First Century
Science and Mathematics
Education***



*Headquartered at the
Center for Science and
Mathematics Education
College of Education
The University of Texas at Austin*

Texas Regional Collaboratives for Excellence in Science and Mathematics Teaching



Who We Are

Texas Regional Collaboratives for Excellence in Science and Mathematics Teaching is an award-winning network of P-16 partnerships that provide sustained, high-intensity professional development to P-12 teachers of science and mathematics. This infrastructure of 43 institutions of higher education collaborating with education service centers, school districts and business partners has a 15-year record of designing and implementing exemplary professional development using research-based methods, materials and best practices.

Achievements

We have improved the knowledge and skills and developed the leadership capacity of over 12,000 Texas science teachers and approximately 1000 mathematics teachers who, in turn, shared their experiences with other teachers through mentoring, peer coaching, and technical assistance.

Over one million students across Texas have benefited through improved instruction and performance of participating teachers.

Our Mission

To provide teachers with support systems of sustained, high-intensity professional development and mentoring to assist them in the implementation of the Texas Essential Knowledge and Skills (TEKS). Our programs equip teachers with the knowledge and skills to engage their students in meaningful science and mathematics learning experiences and prepare them for high achievement on the Texas Assessment of Knowledge and Skills (TAKS) and other measures.

Values

- We **serve** the teachers and students of Texas.
- We **treasure** our people.
- We **operate** with integrity.
- We **reward** our partners.
- We **contribute** to systemic reform and to the community.

PROFESSIONAL DEVELOPMENT ACADEMIES (PDAs)*



PDAs bring together professors of science and science education, science specialists and master teachers.



PDAs focus on the elements of science education reform in Texas.

PDAs enhance the knowledge and skills necessary to develop, sustain and facilitate high quality professional development programs.



PDAs align regional professional development activities with state standards and priorities.

PDAs afford providers of professional development across the state opportunities to be themselves lifelong learners.

PROFESSIONAL DEVELOPMENT PROGRAMS (PDPs)*



PDPs provide over 100 contact hours of TEKS-based, scientifically-researched professional development to teachers of science in each of the education service center regions.



PDPs are about learning science content from experts coming together to apply knowledge and skills, share success, tackle challenges, brainstorm new ideas, and reflect on classroom practices.

PDPs prepare classroom teachers to become Science Teacher Mentors and support them in serving other teachers at the campus, district and regional levels.

PDPs afford teachers opportunities to conduct field experiences and science investigations.



* The model of PDPs, PDAs, Honoring the Teachers, Annual Meeting, and teacher mentoring is currently germane to the Science Regional Collaboratives. Future plans are for the mathematics activities to be modeled after the Science Regional Collaboratives.

HONORING THE TEACHERS

These regional events recognize and honor participating teachers and engage policy makers, legislators and business leaders in the program.

Through these events, we thank business partners, celebrate partnerships in the community, acknowledge support of administrators and publicize the program through media outlets in the region.



Teacher Leaders receive certificates from The State of Texas House of Representatives



Science Teachers **Shelley Chadwick** and **Harriet Woodfill** of Odyssey Academy, Galveston, celebrate the honor with the Leadership Team of the Galveston County Regional Collaborative and **Mr. Robert Mosbacher, Sr.**, *Chairman of the Board, Mosbacher Energy, Former U.S. Secretary of Commerce*

Celebrating the Partnerships

“As the deadline for NCLB’s “Highly Qualified Teacher” requirement approaches, Texas can be proud to have such an established, successful network of science leaders working together to ensure that every teacher of science has the tools to become “Highly Qualified.” Texas has a strong record of developing high-end professional development for science, designed to meet the federal requirement. The Regional Collaboratives network is an ideal solution for ensuring that those products are made available across the state.”

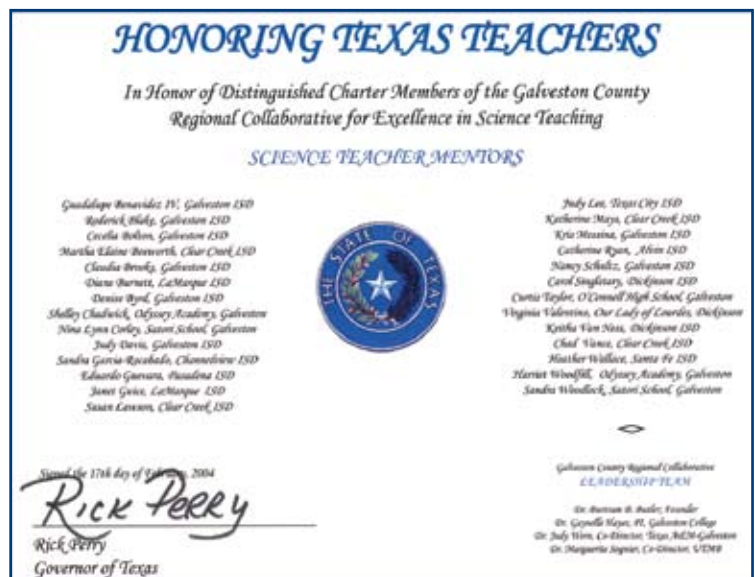
Commissioner Shirley Neeley



Certificate of Achievement from Dr. Shirley Neeley



Dr. Shirley J. Neeley
Commissioner of Education



Rick Perry
Governor of Texas

Certificate from Rick Perry

ANNUAL MEETING



Twelfth Annual Meeting Keynote Speaker

Mark G. Yudof

Chancellor

The University of Texas System Administration

This statewide event brings together teachers, education and business leaders, policy makers and legislators to celebrate the achievements of the Collaboratives.

The meeting provides opportunities for interregional sharing of ideas, collaboration, and networking.

Participants learn about state-of-the-art trends and recent developments in science education and technology integration.

Distinguished Teaching Award Presentation



Distinguished speakers and guests at the 2006 Twelfth Annual Meeting included, from left to right: UT College of Education Dean Manuel J. Justiz, University of Texas at Austin President William C. Powers, Jr., UT System Chancellor Mark G. Yudof, Shell Oil President John Hofmeister and TRC Founder and Executive Director Dr. Kamil A. Jbeily



Angela Ruggeri, Science Teacher, UH-Clear Lake Regional Collaborative, recipient, with Dr. James P. Barufaldi and Chris Castillo Comer

“I consider this program to be the crown jewel of professional development in Texas. We’re always needing great teachers, and always coming up short, so, with the Collaboratives, we’ve developed a way to grow our own.”

Chris Castillo Comer, Director of Science, TEA

Engaging Policy Makers, Business & Education Leaders

Distinguished Service Awards Winners

2003



The Honorable Geanie Morrison
Texas House of Representatives

2004



The Honorable Robert Mosbacher, Sr.
Chairman of the Board
Mosbacher Energy

2005



Chris Comer
Director of Science
Texas Education Agency

2006



James Barufaldi, Ph.D.
Director, Center for Science and Mathematics Ed.
College of Education
The University of Texas at Austin

Nationally recognized authorities speak on systemic reform in science education. Teacher leaders and community partners are recognized and honored with distinguished teaching and service awards.

Twelfth Annual Meeting



William C. Powers, Jr.
President
UT-Austin

Twelfth Annual Meeting



The Honorable Mark Strama
State Representative, District 50
Texas House of Representatives

Eleventh Annual Meeting



John Hofmeister
President
Shell Oil Company

Tenth Annual Meeting



Kirk Watson
Chairman
Greater Austin Chamber of Commerce

Ninth Annual Meeting
Keynote Speaker



Sandy Kress
Former Senior Advisor
to President Bush on Education

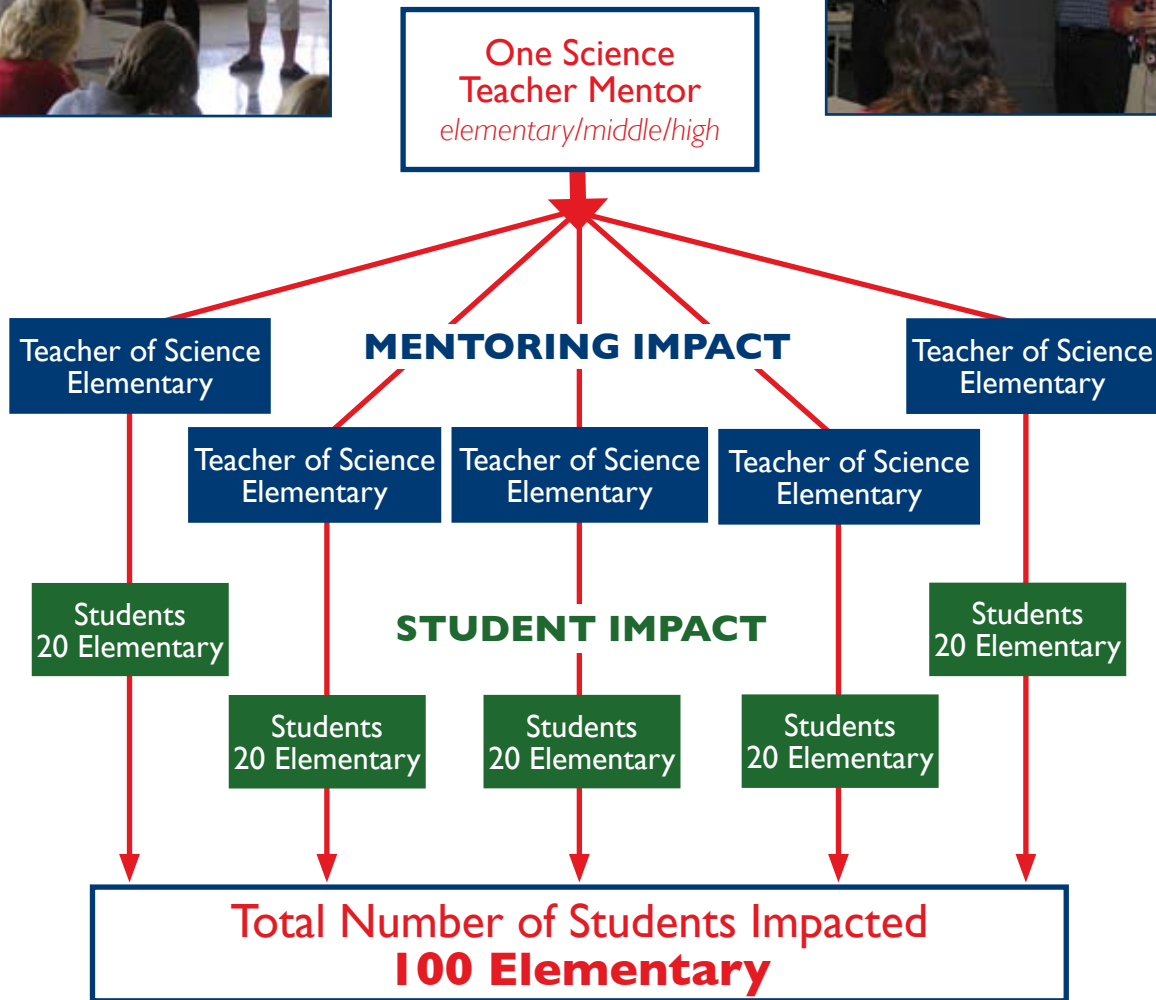
Eighth Annual Meeting



Dr. Larry Faulkner
Former President
UT-Austin

Teachers Mentoring Teachers

Our innovative programs teach teachers to mentor other teachers. Science Teacher Mentors (STMs) extend the reach of our programs far beyond their immediate impact. We nurture learning communities within schools and support networks among elementary, middle, and high schools, and colleges and universities. These connections develop and retain beginning science teachers while rejuvenating experienced professionals.



When one of our teachers mentors five other teachers, 100 students will experience the benefits.

Mentoring Multiplies Our Reach

From September 2005 to July 2006,
1,715 teachers mentored
5,567 teachers, reaching
473,330,000 students.

35
Science
Regional
Collaboratives

1,715
Teacher Leaders

High Intensity Professional Development

5,567 Teachers

Mentoring and Professional Development Outreach

Students Impacted = 473,330
(Based on average of 65 students per teacher)



STATEWIDE IMPACT



566 School Districts Served

1,689 Campuses Served

7,282 Teachers Served *

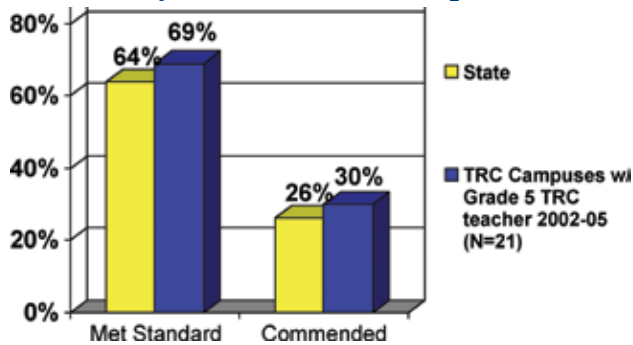
Data compiled from September 1, 2005 - July 31, 2006 (Science)
* 1,715 Teacher Leaders + 5,567 Outreach Teachers = 7,282 Total Teachers

Effectiveness

The bottom line in measuring the effectiveness of teacher professional development is the impact it has on student achievement. Research data indicate a correlation between Texas Regional Collaboratives teacher participation and student achievement.



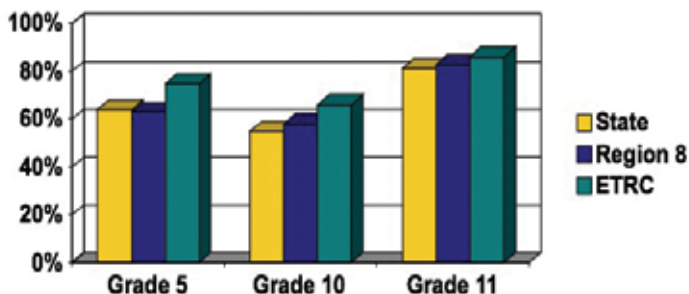
Elementary Science TAKS Comparison (2005)



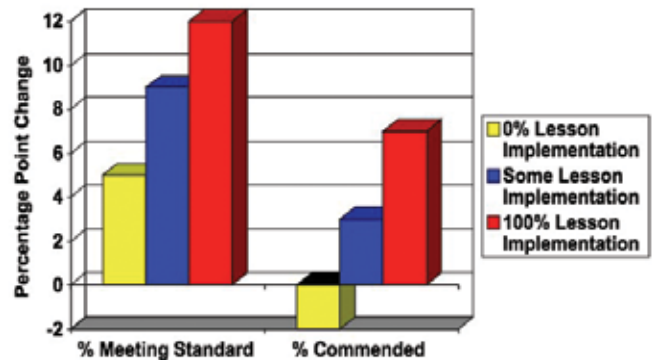
Elementary campuses with at least one Grade 5 TRC teacher each year between 2002 and 2005 scored higher on the Elementary Science TAKS administered at Grade 5 than the state average.



TAMU-TEXARKANA REGIONAL COLLABORATIVE SCIENCE TAKS (2005)

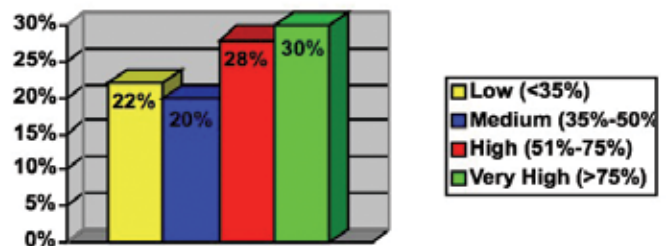


Relationship Between Bridging II TAKS Curriculum and Elementary TAKS (2004-05)



Improvement on Elementary TAKS passing rates and commended rates from 2004 to 2005 was directly correlated to implementation of Bridging II TAKS lessons in Round Rock ISD schools that participated in the ACC Regional Collaborative.

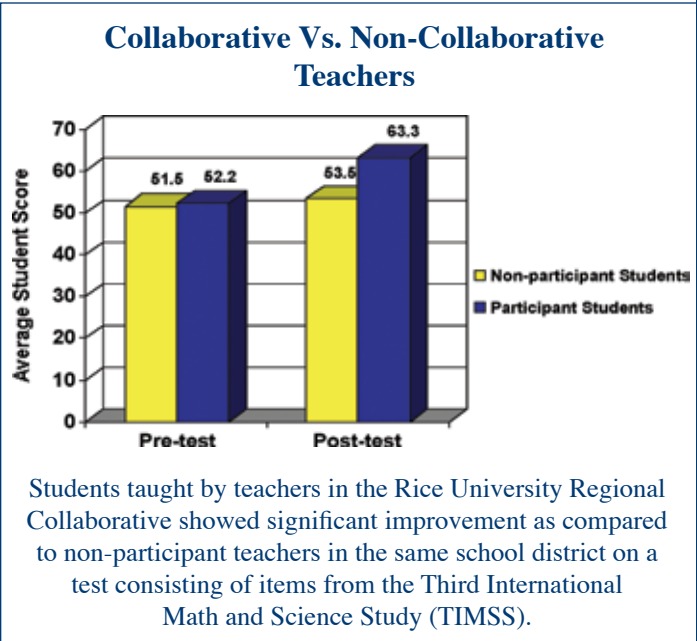
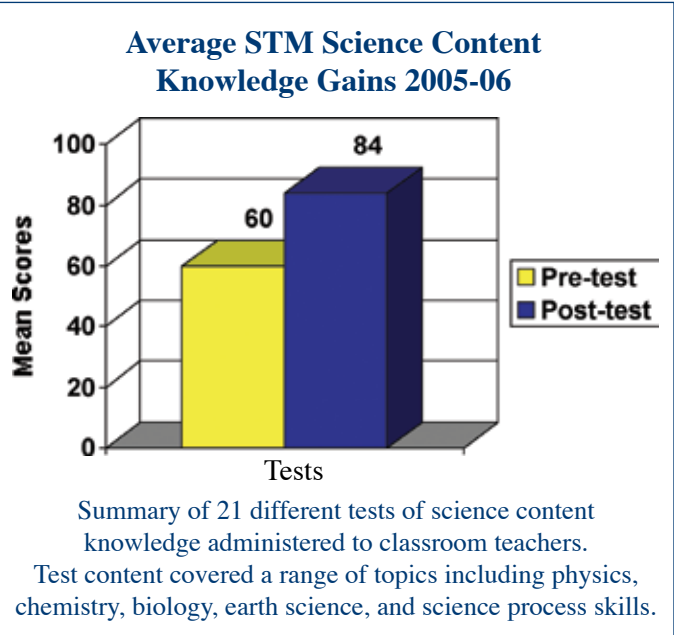
Socio-economic Levels of Participating Campuses 2005-06



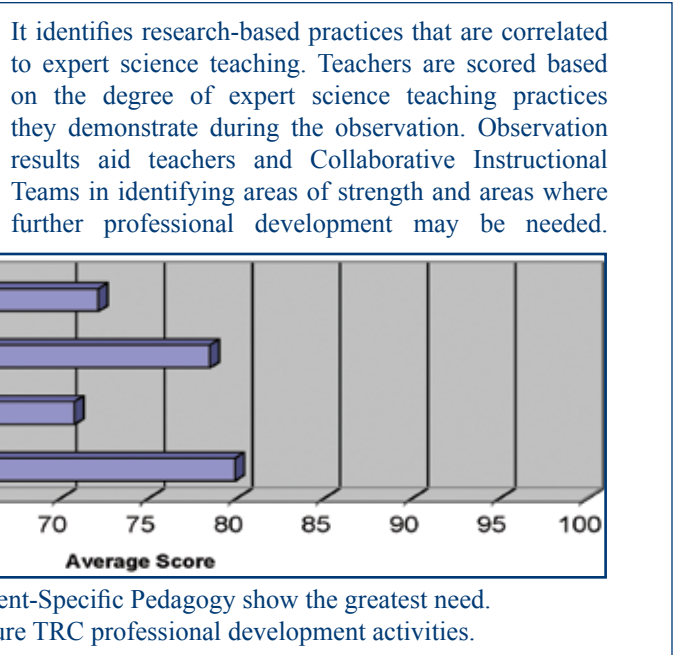
Poverty Levels for public schools are determined by the percentage of students who receive free or reduced lunches. Percentages based on a sample of 4,399 teachers who provided campus poverty level data from September 2005 – July 2006.

Impact on Students and Teachers

Teacher Science Content Tests correlate with the science TEKS. Science Teacher Mentors complete a test prior to and again following 105 contact hours of professional development. Pre-test and post-test data indicate steady, significant improvement.



Classroom observations are conducted using an instrument specifically designed to evaluate science instruction. The Expert Science Teaching Educational Evaluation Model (ESTEEM) Classroom Observation Rubric was developed at the Center for Research on Educational Accountability and Teacher Evaluation housed at the Evaluation Center at Western Michigan University.



Commendations



Mark G. Yudof
Chancellor
The University of Texas System Administration

“Your special efforts on behalf of The University of Texas at Austin and K-16 partnerships and collaborations are greatly appreciated. Keep up the good work!”

“We, at The University of Texas, have placed a special emphasis on the University’s role in supporting schools and teachers in schools to allow them to improve their effectiveness. An important part of that is the Texas Regional Collaboratives, led ably by Kamil Jbeily.”



Dr. Larry Faulkner
Former President
The University of Texas at Austin



Dr. Manuel J. Justiz
Dean
College of Education
The University of Texas at Austin

“The Collaboratives advance the professional development of science teachers throughout our state, and ultimately improve the quality of science instruction of thousands of children in our state.”

“The Texas Regional Collaboratives are a prime example of how The University of Texas is reaching out to the entire state. As I spread the word about how much UT does for the people of Texas, the outstanding science teachers that we’re helping, the collaboratives are always first on my list of examples.”



Gwen Grigsby
Associate Vice-President
Government Relations
The University of Texas at Austin

Texas Science Hall of Fame - January 16, 2001

Recognition by the Texas Senate, the Texas House of Representatives and Governor Rick Perry.



In the Senate chamber from left to right:

Former Senator David Cain (resolution sponsor), Dr. Bernard Harris, Charles Duke, Dr. Jack Christie, Dr. William C. Davis, Dr. Manuel P. Berriozabal, Former Lt. Governor Bill Ratliff, Dr. Robert F. Curl, Dr. Gerald D. Skoog, Jack S. Kilby, Arleen Lawson, Dr. Kamil A. Jbeily, John Blaha, and Eugene A. Cernan

State, Federal, and Corporate Partners

State and Federal Partners

Texas Education Agency
U.S. Department of Education
National Science Foundation
Texas Higher Education Coordinating Board

Statewide Corporate and Foundation Partners

AT&T Foundation
El Paso Corporation
Shell Oil Company
Toyota USA Foundation
The Cynthia and George Mitchell Foundation

Statewide Corporate and Foundation Program Officers



James Lydon
*Executive Director
External Affairs
AT&T*



Gloria Moritz
*Senior Public Relations
Foundation and Corporate Giving
El Paso Corporation*



Frazier Wilson
*Manager
Social Investment
Shell Oil Company*



Jennifer Rochkind
*Assistant Manager
Corporate Initiative
Toyota USA Foundation*



Meredith Dreiss
*Grants Director
The Cynthia and George
Mitchell Foundation*

Project Contributors

Abilene Education Foundation, Advanced Micro Devices,
The Bob Bullock Texas State History Museum,
Central West Texas Charitable Foundation/Jack Ramsey,
Community Foundation of Abilene/Bob and Maggy Morford, Delta Education,
Dian Graves Owen Foundation, Eleanor and Robert Hoppe Endowment DA Fund,
Fourier Systems, J.E. Connally/Virginia H. Boyd, Kenedy Memorial Foundation,
Morehead-Welborn LLP, Robert Gooch, Rockwell Fund, Sam E. and Ann Barshop,
Sargent-Welch, Scott Taliaferro, Jr., Sydney E. Niblo, Walter F. Johnson,
WARDS, William Wright Jr., Zachry Group, Inc.

Significant Contributions



Texas Education Agency

\$5.9 Million - Nov. 2005

\$10.0 Million (approx.) - 1991-2004



Robert Scott

“TEA has been pleased to support the Texas Regional Collaboratives for over 14 years. The content-rich, data-driven training and mentoring provided by the Collaboratives has a strong record of effectiveness that should be a model for science partnerships between colleges, universities, education service centers and school districts across the country.”

Robert Scott

Chief Deputy Commissioner, TEA

“Serving science educators has been the mission of the Regional Collaboratives since their inception. Their true achievement is that they have been continuously engaged in partnerships that provide the level of service that today’s educators demand. Through ongoing, community-supported collaborations, local science educators receive consistent, high quality science professional development designed to meet current classroom needs.”

Christi Martin

Education Initiatives, TEA



Christi Martin



Gina Day

“Working in partnership with the Texas Regional Collaboratives has been an extraordinarily rewarding experience. Their history of service to Texas science teachers and long, established partnerships among science leaders are making possible the delivery of high quality staff development in proven strategies for over 10,000 science teachers across Texas.”

Gina Day

Education Initiatives, TEA

Government and Business Joining Forces



Shell Oil Company

\$1.0 Million - Feb. 2005 (4-year grant)

\$277,000 - Jan. 2000 (5-year grant)

“Whether they work for companies such as Shell or Toyota, whether they work for foundations, state or local government, cities or institutions, it is incumbent upon the leaders of society to plan and prepare for next generations.”

John Hofmeister
President, Shell Oil Company



John Hofmeister

Shell \$1.0 Million Grant Press Conference

February 2, 2005 - Texas State Capitol

This generous contribution is funding a four-year statewide initiative to improve the teaching and learning of mathematics and science for 2,000 teachers and more than 166,000 Texas school children. The grant will also support the establishment of two Regional Collaboratives in the state of Louisiana. This investment will contribute to Texas and Louisiana education, economic development, and employment.



Sen. Florence Shapiro
Chair, Committee of Education
The Texas Senate



Rep. Geanie Morrison
Chair, House Higher Education Committee
Texas House of Representatives



Sen. Rodney Ellis
Chair, Government Organization Committee
The Texas Senate



Dr. Kamil A. Jbeily, *Director, Texas Regional Collaboratives*
Ms. Lynn Laverty Elsenhans, *Former President, Shell Oil Company*
Dr. Larry Faulkner, *Former President, The University of Texas at Austin*
Dr. Manuel Justiz, *Dean, College of Education, The University of Texas at Austin*

Exemplary Sustained Corporate Commitment



AT&T Foundation

\$325,000 - Jan. 2005 (4-year grant)

\$100,000 - Feb. 2002 (2-year grant)

\$200,000 - Jan. 1999 (2-year grant)



Jim Epperson

"Today's classrooms hold our future employees, customers and community leaders. That alone is sufficient reason to be an active partner in providing our teachers with the tools they need to make that future a bright one. It is only natural to partner with a quality organization that shares our reach and our concern for quality education. AT&T is proud to work with Dr. Jbeily and the Texas Regional Collaboratives."

Jim Epperson

President, AT&T-Texas



Toyota USA Foundation

\$300,000 - June 2004 (3-year grant)

\$390,000 - Apr. 2001 (3-year grant)



Luis de la Garza

"Toyota has always placed a priority on education in our lives and in our jobs. This goes back to our founder, Shoshiro Toyota, who believed that an investment in our youth is an investment in our future. We never lost sight of that mantra. That's why we are so proud to support the TRC at The University of Texas at Austin."

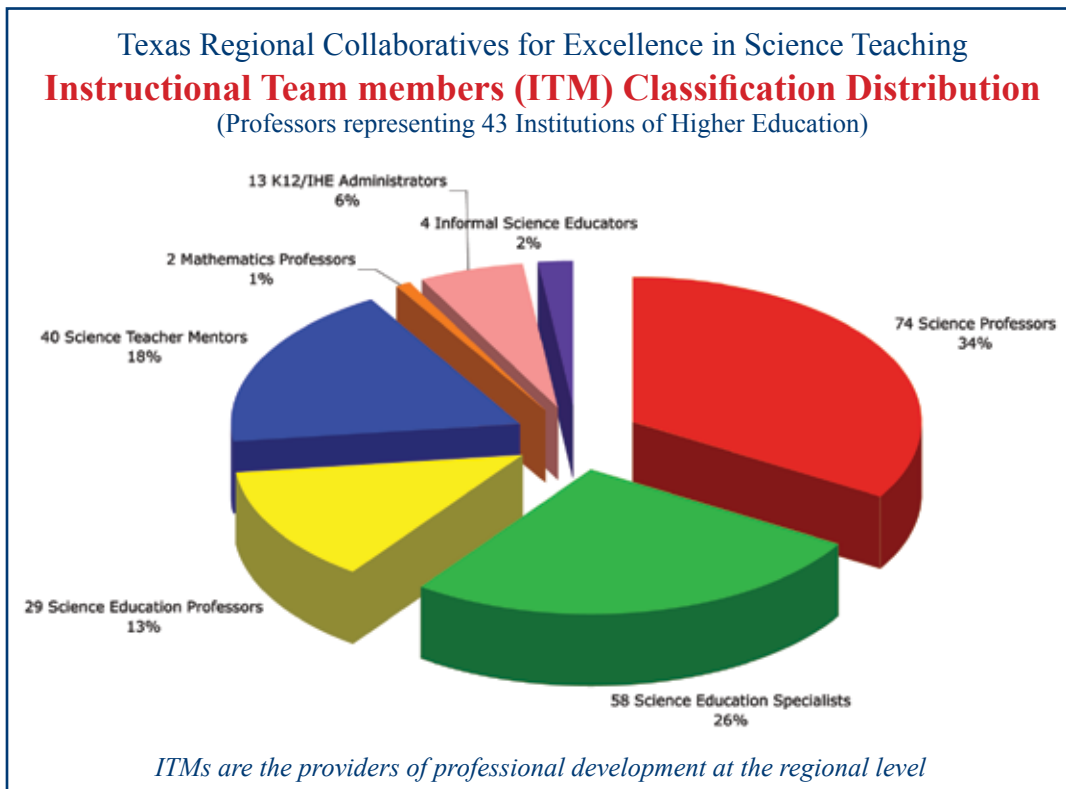
Luis de la Garza

Vice President Administration, Toyota Motor Manufacturing, Texas, Inc.

43 Partnering Institutions of Higher Education

Abilene Christian University
 Amarillo College
 Angelo State University
 Austin Community College
 Baylor University
 Concordia University
 Dallas Baptist University
 Hardin-Simmons University
 Lamar University
 Lee College
 Midland College
 Midwestern State University
 North Central Texas College
 North Texas Community College
 Our Lady of the Lake University
 Rice University
 Stephen F. Austin State University
 Tarlton State University
 Texarkana Community College
 Texas A&M University System
 - Texas A&M International University
 - Texas A&M University at Galveston

- Texas A&M University-College Station
 - Texas A&M University-Commerce
 - Texas A&M University-Corpus Christi
 - Texas A&M University-Texarkana
 - West Texas A&M University
 Texas Christian University
 Texas Tech University
 Trinity University/San Antonio
 UH-Clear Lake/Environmental Institute of Houston
 University of Dallas
 University of Houston
 - UH/Downtown
 - UH/Victoria
 University of North Texas
 The University of Texas System
 - UT Austin
 - UT Brownsville
 - UT Dallas
 - UT El Paso
 - UT Health Science Center at Houston
 - UT Medical Branch
 - UT Pan American
 - UT Permian Basin
 - UT San Antonio



35 Science Regional Collaboratives

REGION SCIENCE COLLABORATIVE NAME

Project Director / Phone Number / Email

- 1 **Region 1 Collaborative/Edinburg**
Elda Christian / 956-984-6230 / echristian@esconett.org
UT-Pan American Regional Collaborative/Edinburg
John McBride / 956-381-3409 / jwm1303@panam.edu
UT-Brownsville Regional Collaborative/Brownsville
Rey Ramirez / 956-882-8200 / reynaldo.ramirez@utb.edu
TAMU Regional Collaborative/Laredo
Gloria Flores / 956-326-2422 / gflores@tamiu.edu
- 2 **TAMU-CC/ESC 2 Regional Collaborative/Corpus Christi**
Sheryl Roehl / 361-825-5415 / sheryl.roehl@tamucc.edu
Linda Simpson / 361-561-8570 / lsimpson@esc2.net
- 3 **Region 3 Collaborative/Victoria**
Laura Saenz / 361-573-0731 x291 / lsaenz@esc3.net
- 4 **Region 4 Collaborative/Houston**
Omah Williams / 713-744-6538 / owilliams@esc4.net
Rice University Regional Collaborative/Houston
Wallace Dominey / 713-348-5461 / wdominey@rice.edu
Galveston County Regional Collaborative/Galveston
Marguerite Sognier / 832-216-0001 / masognie@utmb.edu
Lake Houston Regional Collaborative/Humble
Kimberlea De La Cruz / 281-641-4401 x4465 / kimberlea.delacruz@humble.k12.tx.us
Donna Price / 281-641-1000 / donna.price@humble.k12.tx.us
UHCL/EIH Regional Collaborative/Houston
Brenda Weiser / 281-283-3960 / weiser@uhcl.edu
- 5 **Region 5 Collaborative/Beaumont**
Becky Collier / 409-923-5421 / bcollier@esc5.net
- 6 **TAMU-College Station Regional Collaborative/College Station**
Joel Bryan / 979-845-1301 / jabryan@tamu.edu
Carolyn Schroeder / 979-458-4450 / cschroeder@science.tamu.edu
- 7 **Region 7 Collaborative/Kilgore**
Donna Wise / 903-988-6772 / dwise@esc7.net
- 8 **Region 8 Collaborative/Mount Pleasant**
Dale Loughmiller / 903-575-2670 / dloughmiller@reg8.net
Dale McCurdy / 903-575-2675 / dmccurdy@reg8.net
TAMU-Texarkana Regional Collaborative/Texarkana
David Allard / 903-223-3131 / david.allard@tamut.edu
- 9 **Region 9 Collaborative/Wichita Falls**
Leslie Patrick / 940-322-6928 x340 / leslie.patrick@esc9.net
- 10 **Region 10 Collaborative/Richardson**
Rick Meyer / 972-348-1474 / rick.meyer@region10.org

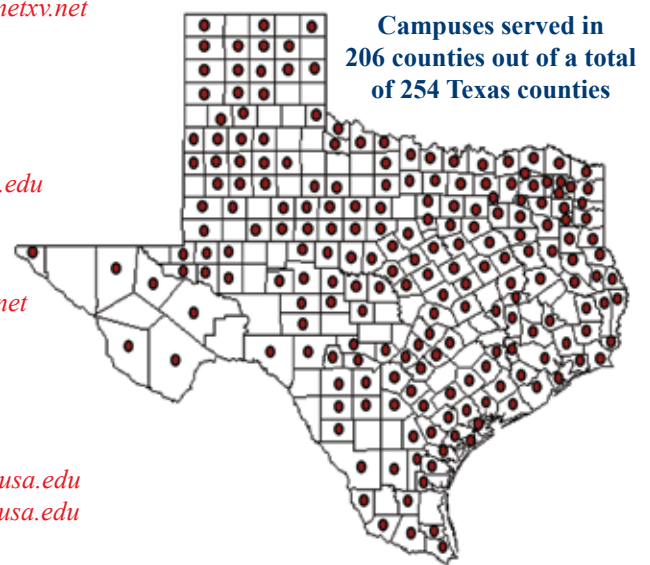
Science Regional Collaborative Sites



Geographic Distribution

- 10 **UT-Dallas Regional Collaborative/Dallas**
Barbara Curry / 972-883-4008 / barbc@utdallas.edu
University of Dallas Regional Collaborative/Irving
Karen Jo Matsler / 817-483-7251 / kmatsler@msn.com
- 11 **Region 11 Collaborative/Fort Worth**
Becky Yarbrough / 817-740-7635 / byarbrough@esc11.net
North Central Texas College Regional Collaborative/Gainesville
Lisa Bellows / 940-668-7731 / lbellows@nctc.edu
Sara Flusche / 940-668-4254 / sflusche@nctc.edu
University of North Texas Regional Collaborative/Denton
Jim Roberts / 940-565-3022 / roberts@unt.edu
- 12 **Region 12 Collaborative/Waco**
Marc Curliss / 254-297-1115 / mcurliss@esc12.net
Judy York / 254-297-1130 / jyork@esc12.net
- 13 **Region 13 Collaborative/Austin**
Jennifer Jordan / 512-919-5368 / jordan@esc13.txed.net
Capital City Regional Collaborative/Austin
David Guffey / 512-414-4662 / dgguffey@austinisd.org
Barbara ten Brink / 512-414-4590 / btenbrin@austinisd.org
ACC Regional Collaborative/Austin
Saad Eways / 512-223-3219 / seways@austincc.edu
Patty McLelland / 512-464-5672 / patty_mcllland@roundrockisd.org
- 14 **Region 14 Collaborative/Abilene**
John Lineweaver / 325-675-8667 / jlineweaver@esc14.net
- 15 **Region 15 Collaborative/San Angelo**
Judy Lisewsky / 325-658-6571 x158 / judy.lisewsky@netxv.net
Amy Rutherford / 325-658-6571 x140 / amy.rutherford@netxv.net
- 16 **Region 16 Collaborative/Amarillo**
Susan Smith / 806-677-5173 / susan.smith@esc16.net
- 17 **Region 17 Collaborative/Lubbock**
Susan Talkmitt / 806-742-1997 x256 / susan.talkmitt@ttu.edu
- 18 **Region 18 Collaborative/Midland**
James Collett / 432-563-2380 x220 / jcollett@esc18.net
Martha Alexander / 432-620-9044 / malexander@esc18.net
- 19 **Region 19 Collaborative/El Paso**
Carmen Imai / 915-780-5069 / cimai@esc19.net
- 20 **OLLU Regional Collaborative/San Antonio**
Peggy Carnahan / 210-434-6711 x2743 / carnp@lake.ollusa.edu
Tom Gadsden / 210-434-6711 x2233 / tgadsden@lake.ollusa.edu
Region 20 Collaborative/San Antonio
Sheila Collazo / 210-370-5481 / sheila.collazo@esc20.net
Kelly Martinez / 210-370-5452 / kelly.martinez@esc20.net

2001 - 2006 County Distribution



Recent Corporate Partners Funded Projects

Podcasting Pilot

The purpose of the Podcasting Pilot is to explore the use of podcasting as a means of delivery and dissemination of professional development and mentoring.

June 29, 2006

On June 29, 2006, Dr. Keith Mitchell, TRC Coordinator for Technology Initiatives, conducted hands-on training with iTunes as a podcast aggregator and the iPod as a mobile access device.

Questions addressed in the training included:

- What is podcasting?
- How can it be used to enhance professional development?
- What is the purpose of this study and what are my obligations?
- How do I use iTunes to manage my podcast subscriptions?
- How do I use an iPod for mobile access to my professional development podcasts?

Sponsored by El Paso Corporation



Region 19 podcast team members will begin using podcast content for professional growth and provide the TRC office feedback on their support needs and successes. Participants will use an online group blog to capture their observations. Participants are expected to become podcast "experts," and mentor other teachers and educators through workshop presentations and one-on-one demonstrations and support.

"Taking A Closer Look" - A West Texas Field Experience

June 3-6 and 7-10, 2006

This PDA focused on geology, astronomy and botany through a field-based experience. Participants began in El Paso and travelled to Guadalupe Mountains National Park, McDonald Observatory, Balmorhea State Park, and even conducted road side geological explorations and investigations. Highly-trained geologists, astronomers, and botanists presented content information, materials, activities, and tours. Participants also learned how to conduct a field experience and provide training in their own geographical regions.

Sponsored by Shell Oil Company





Louisiana Regional Collaboratives for Excellence in Science Teaching



**The Louisiana Outreach Project
Two Regional Collaboratives Funded
Through the Shell-TRC Partnership:**

**LSU/Southern University
Regional Collaborative for Excellence
in Science Teaching**

**LA Tech/Grambling State University
Regional Collaborative for Excellence
in Science Teaching**



Preservice and alternative certification teachers, as well as practitioners requiring middle school certification, visit the Challenger Center and work together to experience hands-on science.

Leveraging Resources

Leveraging local, state and national resources is the cornerstone of the Southern University/Louisiana State University Collaborative. Partnerships among the Louisiana Department of Education through their Math Science Partnership Programs and the Louisiana Board of Regents have provided information for compliance with all state education mandates and assisted the SLC in offering services to the education community. In addition, the SLC has forged partnerships with many education organizations and agencies, including the JASON Foundation, National Alliance of State Science and Math Coalitions (NASSMC), National Science Teachers Association (NSTA), Louisiana Science Teachers Association (LSTA), Louisiana Association of Science Leaders (LASL), Louisiana Environmental Education Commission, Louisiana Art and Science Museum, the Center for BioModular Multi-Scale Systems, Baton Rouge Recreation and Park Commission and LIGO (Laser Interferometer Gravitational-Wave Observatory). Through these partnerships and many other connections, the SLC has been able to provide services that not only further science education across south Louisiana, but also provide extensive resources for K-16 teachers of science.



SLC participants enjoy the flora and fauna of Lake Martin and learn about the impact of the wetlands on South Louisiana.



We came, we conquered the Poverty Point Reservoir!



Middle School Teachers working on JASON: Disappearing Wetlands activities.



Learning about the Wetlands at the Louisiana Environmental Education Symposium.



SLC participants work in the field with paleontologist Gary Stringer from the University of Monroe to locate and identify marine fossils found in North Louisiana.

SLC JASON Train-the-Trainer Leadership Institute

Sustainability is a key component of the South Louisiana Collaborative. Programs are embedded within an existing infrastructure to ensure successful completion and continuation of the SLC. The South Louisiana JASON Train-the-Trainer Leadership Institute, led by a nationally recognized JASON Trainer, provided leadership development to our first cohort of two-person teams, who will, in turn, provide professional development and mentoring to 160 of their peers over the course of the 2006-07 academic year.



Making cooking stones at Poverty Point to learn how Native Americans lived and worked in the area.

Initiating 20 Mathematics Regional Collaboratives

In July 2006, the TRC launched a new initiative funded by the Texas Education Agency to provide high quality professional development for Texas mathematics teachers. After a competitive process, grants were awarded to 20 partnerships across the state.

Each Mathematics Regional Collaborative will provide a minimum of 500 units of training to teachers of mathematics, Grade K-12 in the mathematics modules cited below. Each math module was developed through collaboration between Texas institutions of higher education and Education Service Centers from across the state. Module development was funded by TEA.

Mathematics Achievement Project (MAP)

- Collaboration between TEA, an IHE, and an ESC
- One module in prof. dev. in Algebra II and various tools for enhancing teacher efficacy in mathematics

Mathematics for English Language Learners (MELL)

- Collaboration between TEA and The University of Texas System
- Various research, classroom reference and professional development materials addressing effective mathematics teaching for non-native English speaking students

Mathematics TEKS Refinements (MTR)

- Collaboration between TEA and Tarleton State University
- Addresses awareness of refinements adopted by SBOE to mathematics TEKS
- Four modules based on grade bands: K-2, 3-5, 6-8, 9-12

PROFESSIONAL DEVELOPMENT TO BE PROVIDED BY INSTRUCTIONAL TEAMS IN EACH REGIONAL COLLABORATIVE

Mathematics TEKS Connections (MTC)

- Collaboration between TEA, Texas A&M College Station, and Columbia University
- Addresses understanding, deconstruction, assessment and effective teaching of mathematics TEKS
- Four modules based on grade bands: K-2, 3-5, 6-8, 9-12

Teaching Mathematics TEKS Through Technology (TMT3)

- Collaboration between TEA, Texas A&M Commerce, Region 4 ESC
- Addresses how to teach mathematics more effectively using common classroom technology tools
- Four modules: Grades 6-8, Algebra I, Algebra II, Geometry

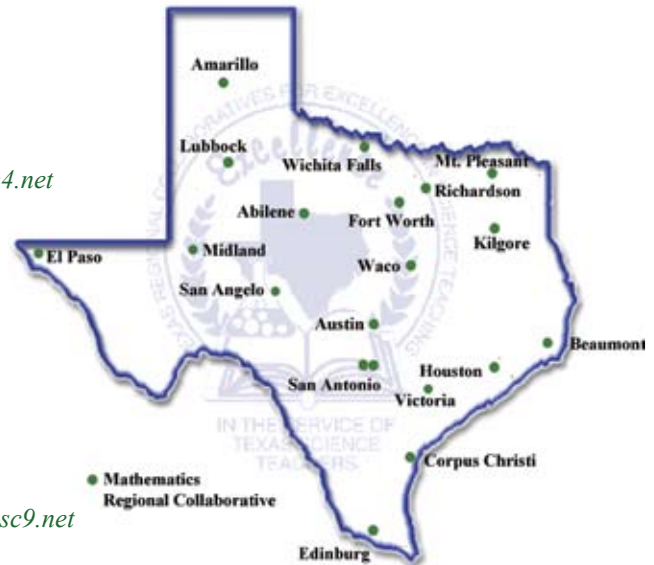
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Mathematics Regional Collaboratives Sites



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