

Texas Regional Collaboratives for Excellence in Science Teaching

NINTH ANNUAL MEETING



Models of Excellence in Science Teaching and Learning

Austin OMNI Hotel Downtown

700 San Jacinto
Austin, Texas

Phone: 512-476-3700

July 10 - 12, 2002

Texas Regional Collaboratives for Excellence in Science Teaching

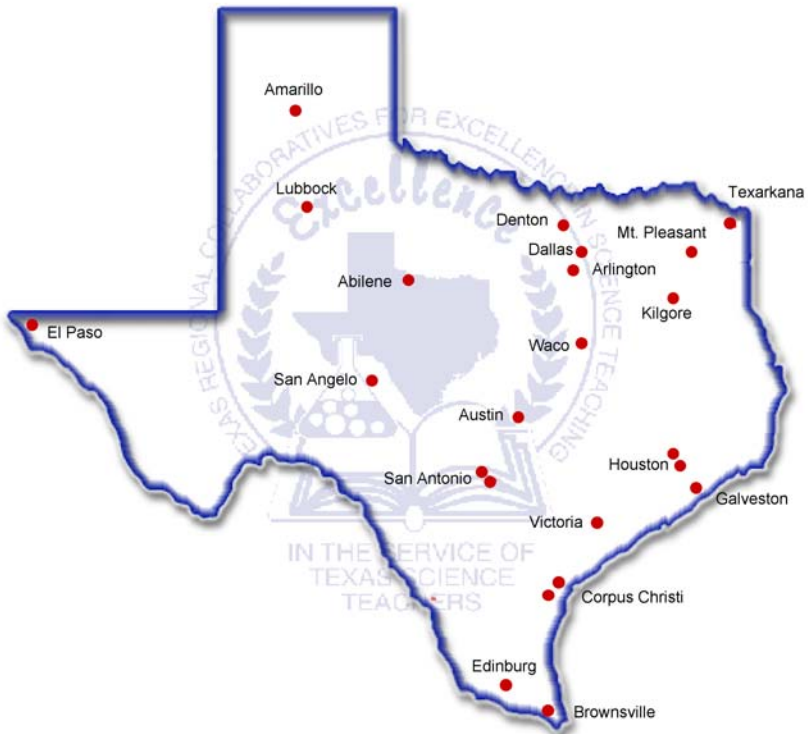
In the Service of Texas Science Teachers



Texas Regional Collaboratives for Excellence in Science Teaching are K-16 partnerships that bring together the Texas Education Agency, The University of Texas Science Education Center, U.S. Department of Education Eisenhower program, the National Science Foundation, colleges and universities, business and industry, education service centers, and school districts across the state to leverage human and financial resources in support of science education reform throughout Texas.

Mission

Texas Regional Collaboratives are committed to providing Texas science teachers with ongoing support systems of sustained and high intensity professional development to assist them in implementing the Texas Essential Knowledge and Skills (TEKS) through upgrading their knowledge of content and pedagogy to engage ALL students with interesting, relevant, experiential, and meaningful science learning experiences.



Texas Regional Collaboratives for Excellence in Science Teaching

In the Service of Texas Science Teachers



History

In 1990-91, tremendous science education reform activities were underway. Changes necessitated that teachers adopt new methods of teaching and teach a wide variety of sciences for which they were not prepared. Kamil A. Jbeily, then at the Texas Education Agency, initiated a series of regional meetings across the state to explore ways to create ongoing regional support systems of professional development for Texas science teachers. The meetings included representatives from ESCs, colleges and universities, and school districts. The goal was to create partnerships that are built on collaboration, cost-sharing (using primarily various Eisenhower funds), and symbiotic relationships to provide science teachers with relevant, meaningful, sustained, and high intensity professional development. The partnerships gave birth to the Texas Regional Collaboratives for Excellence in Science Teaching.

On March 2, 1996, as per the reorganization of the Texas Education Agency, the statewide administrative office of the Texas Regional Collaboratives (funded by state-level Eisenhower funds) was moved to the Science Education Center at The University of Texas at Austin under a TEA-UT partnership agreement. Now, the program enjoys support from a wide spectrum of partners including the U.S. Department of Education Eisenhower program, the Texas Education Agency, the National Science Foundation, Southwestern Bell, ExxonMobil, Shell, CASIO, Inc., Delta Education, Frey Scientific, Holt, Rinehart & Winston and Toyota USA Foundation. In addition, over fifty business and community partners support the regional collaboratives activities across the state.

To date, the Texas Regional Collaboratives have served over 7000 science teachers who have played a leadership role in their district, supported many of their colleagues, and impacted the learning of over 700,000 students. The Texas Regional Collaboratives are committed to serving the science teachers across the state in their implementation of the Texas Essential Knowledge and Skills and in their pursuit of helping ALL students achieve excellence in science education. On January 17, 2000, the Texas Regional Collaboratives Program was inducted into the *Texas Science Hall of Fame* for its exemplary contributions to supporting science.

The long-range goal of the Texas Regional Collaboratives is to continuously enhance:

- Quality** through Professional Development Academies and interregional collaboration and sharing,
- Quantity** through building the leadership capacity of teachers, mentoring, and peer coaching to serve a larger number of teachers, and
- Accountability** through ascertaining the impact of the professional development on teachers' knowledge and skills, their performance in the classroom, and on student achievement.

Wednesday, July 10, 2002

9:00 -11:30 a.m.

Set-Up

Business Partner Exhibits
Gallery Showcase

Hotel Mezzanine
Senate and Congress

10:00 a.m.-5:00 p.m.

Registration

Workshop Sign-up

Alcove

12:00 - 2:00 p.m.

Opening Luncheon

Ballroom

Introduction

Kamil A. Jbeily

Director, Texas Regional Collaboratives

Welcome to Austin

Earl Maxwell

Former Chairman, Greater Austin Chamber of Commerce

Update - No Child Left Behind

Cory Green

Texas Education Agency

TAKS Update

Chris Comer

Director of Science, Texas Education Agency

Overview of Meeting

Kamil A. Jbeily

2:15 - 4:00 p.m.

SESSION I

FOSS & CPO Science

Austin South

Hands-On, Inquiry-Based Science Instruction for Grades K-12

Ellen Yates-Isbell

Regional Manager, CPO Science, Delta Education

Verne R. Isbell

Regional Manager, FOSS Program, Delta Education

Texas Instruments

Austin North

Models of Science Instruction with Technology

Mary Jane Smith

Educational Technology Consultant

Wednesday July 10, 2002

6:00 - 7:00 p.m.

Showcase & Reception

Senate and Congress

Showcasing Our Regional Collaboratives/Interregional Collaboration

A Gallery of Exemplary Professional Development

UT-Brownsville Regional Collaborative, **Brownsville** - Rey Ramirez

UT-Pan American Regional Collaborative, **Edinburg** - John McBride

Region II Collaborative, **Corpus Christi** - Linda Simpson

Texas State Aquarium Collaborative, **Corpus Christi** - Tara Schultz

Region III Collaborative, **Victoria** - Sheryl Roehl

Galveston County Regional Collaborative, **Galveston** - Clifford Houston

Rice University Regional Collaborative, **Houston** - Wallace Dominey

Region IV Collaborative, **Houston** - Jennifer Brawley

Region VII Collaborative, **Kilgore** - Donna Wise

East Texas Regional Collaborative, **Texarkana** - David Allard

Region VIII Collaborative, **Mount Pleasant** - Kyndalin Cardwell

Dallas Museum of Natural History Collaborative, **Dallas** - Todd Crump

UT-Arlington Regional Collaborative, **Arlington** - Judy Reinhartz

University of North Texas Regional Collaborative, **Denton** - Jim Roberts

Region XII Collaborative, **Waco** - Marc Curliss

Region XIII Collaborative, **Austin** - Haidee Williams

Region XIV Collaborative, **Abilene** - Gaile Thompson

Angelo State University, **San Angelo** - John Miazga

Region XVI Collaborative, **Amarillo** - Susan Smith

Region XVII Collaborative, **Lubbock** - Sheryl Schake-Meskin

Region XIX Collaborative, **El Paso** - Cheryl Geach

ACCD/Project 2061 Regional Collaborative, **San Antonio** - Joan Drennan-Taylor

South Texas Rural Regional Collaborative, **San Antonio** - Peggy Carnahan

6:30 - 7:00 p.m.

Collaborative Demonstrations

Foyer

B L A S T

UT-Arlington Regional Collaborative

Investigating Variables

Region 16 Collaborative

7:00 p.m.

Dinner

Ballroom

7:30 p.m.

Program

Ballroom

Introduction

Kamil A. Jbeily

Director, Texas Regional Collaboratives
The University of Texas at Austin

Welcome

Marilyn Kameen

Associate Dean, Academic Affairs
College of Education
The University of Texas at Austin

Greetings and Remarks

Texas House of Representatives

The Honorable Geanie Morrison

District 30, Victoria

Texas Education Agency

Paul Cruz

Deputy Commissioner, Dropout Prevention and Initiatives

Keynote Address

Sandy Kress

Former Senior Advisor to President Bush on Education

**No Child Left Behind: Achieving the President's Vision
of Educational Excellence**

Presentation of the Texas Regional Collaboratives
2002 DISTINGUISHED SERVICE AWARD

Thursday, July 11, 2002

6:00 - 7:45 a.m.

Breakfast

Ancho's
Hotel Restaurant

8:00 - 9:00 a.m.

SESSION II

Ballroom

Reflections: 5-E Instructional Model in the Classroom

James P. Barufaldi

Director, Science Education Center
The University of Texas at Austin

9:00 - 10:45 a.m.

SESSION III

Ballroom

From Inspiration to Reality

Jim Storm, Lissa Jones, Candace Storm

Center for Organizational Development

10:45 - 11:00 a.m.

Break

Foyer

11:00 - 12:00 p.m.

SESSION IV

Toyota-Regional Collaboratives Partnership Networking

Group I

Austin North

Using Thinking Maps to Manage 5-E Inquiry

Region XII Collaborative

Mentoring Hits and Misses

Region II Collaborative

Group II

Austin South

Inquiring Minds Want to Know: How Do I Prepare for Inquiry Teaching

University of North Texas Regional Collaborative

Aligning TEKS Across Grade Levels Using the Water Cycle

Galveston County Regional Collaborative

Group III

Executive

Aligning Lessons and TEKS Across Grade Levels: Water Cycle Lessons

Region III Collaborative

Making Mentoring Work for You

ACCD/Project 2061 Regional Collaborative

11:00 - 12:00 p.m.

SESSION IV (Continued)

Group IV

Liberty

Overcoming the Challenges of Mentoring for Effective Science Instruction in a Reading and Math World

UT-Arlington Regional Collaborative

Exploring 5-E Inquiry Instruction Through Space

South Texas Rural Regional Collaborative

12:00 - 1:30 p.m.

Lunch

Atrium

1:30 - 2:30 p.m.

SESSION V

Ballroom

Mentoring: Lead, Follow and Get Out of the Way!

Andrea Foster

Assistant Professor, College of Education
University of Houston

2:30 - 2:45 p.m.

Break

Foyer

2:45 - 3:45 p.m.

SESSION VI

Austin

Comprehensive Assessment for the Teaching of Science (CATS)

Joan Drennan-Taylor

Director, Center for Leadership
Alamo Community College

Bridging II TAKS - Texas Science Center

Jennifer Brawley

Science Specialist
Region IV Education Service Center

3:45 - 5:00 p.m.

SESSION VII

Ballroom

Science Is Fun

Bassam Z. Shkhashiri

Chemistry Professor
University of Wisconsin

5:00 p.m.

Dinner on Your Own

Friday, July 12, 2002

6:15 - 8:00 a.m.

Breakfast

Ancho's
Hotel Restaurant

8:00 - 9:00 a.m.

SESSION VIII

Toyota-Regional Collaboratives Partnership Networking

Group I

Austin North

**Using Mentoring to Create a Community of Learners:
Modeling Inquiry and Overcoming Obstacles**
East Texas Regional Collaborative

Adapting Traditional Lessons to the 5-E Model
Angelo State University Regional Collaborative

Group II

Austin South

Aligning TEKS and Instruction Across Grade Levels
Region XVI Collaborative

Making Mole Hills Out of Mentoring Mountains
Region XIV Collaborative

Group III

Executive

Teachers Engaged in Authentic Mentoring Strategies (TEAMS)
Rice University Regional Collaborative

Mentoring East Texas Style
Region VII Collaborative

Group IV

Liberty

Moving Roadblocks on the Path to Successful Mentoring
Region XIX Collaborative

**Effective Practices for Addressing the Needs and Concerns of
Mentors and Colleagues**
UT-Brownsville Regional Collaborative

9:00 - 10:00 a.m.

SESSION IX

Ballroom

Models for Questioning

Virginia Malone
Science Consultant

10:00 -10:45 a.m.

Break/Check Out

10:45 -11:45 a.m.

SESSION X

Ballroom

Community Involvement: A Model Family Science Night

Nita Beth Camp

Coordinator, Math/Science Coop
Region VII ESC

Donna Wise

Science Consultant
Region VII ESC

11:45 - 2:00 p.m.

Lunch

Lonestar

Science Without Boundaries

Wallace Fowler

Professor, Aerospace Engineering
The University of Texas at Austin

Project Director Recognition

2:00 - 2:30 p.m.

Looking Forward to the Future

Kamil A. Jbeily

NOTES

Texas Regional Collaboratives for Excellence in Science Teaching

In the Service of Texas Science Teachers

OUR BUSINESS PARTNERS (Statewide)

- CASIO Incorporated
- Delta Education
- Frey Scientific
- ExxonMobil Foundation
- Holt, Rinehart & Winston
- Shell Oil Company Foundation
- Southwestern Bell (SBC) Foundation
- Toyota USA Foundation

OUR STATE, REGIONAL, AND FEDERAL FUNDERS/PARTNERS

- Texas Education Agency
- U.S. Department of Education, Dwight D. Eisenhower Science Professional Development
- National Science Foundation/Project ESTT: Empower Science Teachers of Texas
 - Texas Higher Education Coordinating Board Eisenhower Program
 - Southwest Educational Development Laboratory

OUR BUSINESS AND COMMUNITY PARTNERS (Regional/Local)

In addition to the statewide business partners, the Texas Regional Collaboratives work with over fifty business and community partners at the regional and local levels to provide science teachers with support systems of sustained and high intensity professional development that will enable them to engage ALL students in interesting, relevant, experiential, challenging, and meaningful science learning experiences.

Collaboration

Coming Together is a Beginning.

Keeping Together is Progress.

Working Together is Success.



Texas Regional Collaboratives Staff

Dr. James P. Barufaldi, Principal Investigator

Dr. Kamil A. Jbeily, Director

Joel Blasingame, Program Coordinator

Sandy Wilkins, Office Manager