

Texas Regional Collaboratives for Excellence in Science Teaching

THE SEVENTH ANNUAL MEETING

In Collaboration With
The U.S. Department of Education Region VI States



**WORKING TOGETHER:
ACHIEVING EDUCATIONAL EXCELLENCE
FOR ALL STUDENTS**

Austin OMNI Hotel Downtown

700 San Jacinto
Austin, Texas

Phone: 512-476-3700

July 12 - 14, 2000

Texas Regional Collaboratives for Excellence in Science Teaching



Texas Regional Collaboratives for Excellence in Science Teaching are partnerships that bring together the Texas Education Agency, The University of Texas Science Education Center, U.S. Dept. of Ed. Eisenhower program, the National Science Foundation, colleges and universities, business and industry, education service centers, and school districts across the state to work together through cost-sharing and in-kind contributions to support 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.

Goals and Activities

- **Empower** Texas science teachers to implement education reform by providing them with content knowledge, training in correlation with state and national standards, and pedagogy that will improve teacher performance and student achievement;
- Focus on **experiential learning** through hands-on activities;
- Enhance learning and teaching using instructional and networking **technology**;
- Continue to foster the strong network of **communication** among collaboratives and teachers;
- Enhance **quality** through professional development academies provided to the instructional team members on cutting edge content, pedagogy, and technology integration;
- Increase **quantity** by supporting science teacher leaders to provide other teachers at their campus/district level with mentoring, peer-coaching, technical assistance and professional development;
- Strengthen **accountability** through evaluation and assessment to ascertain the positive impact of professional development on the teachers' knowledge and skills, their performance in the classroom, and on the achievement of students;
- Identify, develop, model, communicate, and disseminate **state-of-the-art technology** to enhance effectiveness of professional development programs. Support state-level activities such as "Honoring the Teachers" functions, public relation efforts, and other related events. Support training on digital technology, digital imaging, interactive video conferencing, internet applications including online training, and professional development on integration of science, mathematics, and technology;
- Support **regional and state meetings** in which master science teachers, science professors, science education professors, science specialists, and business and industry partners within the region and from across the state, share ideas and resources and explore issues related to collaborative professional development; and
- Bring **teachers** together for **interregional conferences** in different parts of the state to share the benefits and outcomes of their participation in the Regional Collaboratives professional development activities, and receive training consistent with the content of the Professional Development Academies.

Texas Regional Collaboratives for Excellence in Science Teaching In the Service of Texas Science Teachers

A BRIEF 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 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 Regional Collaboratives (funded by 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, Delta Education, Apple Computer, Frey Scientific, TexaServer, and Holt Rinehart & Winston. In addition, over fifty business and community partners support the regional collaboratives activities across the state.

To date, the Regional Collaboratives have served over 7000 science teachers who in turn have played a leadership role in their district and who supported many of their colleagues and impacted the learning of over 700,000 students. The 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.

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

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

AGENDA

Wednesday, July 12, 2000

REGISTRATION

9:00 - 11:30 a.m.

Hotel Mezzanine

Set Up
Gallery Showcase
Business Partner Exhibits

KICKOFF LUNCHEON/INTRODUCTIONS AND OVERVIEW

12:00 - 1:15 p.m

Ballroom

Introductions

Kamil A. Jbeily

Director, Texas Regional Collaboratives

Welcome to Austin

Earl Maxwell

Former Chairman, Greater Austin Chamber of Commerce

News From Washington/Eisenhower Program/Teacher Quality/Legislations

Cory Green

Eisenhower Coordinator, Texas Education Agency

Overview of the Meeting: Working Together

Kamil A. Jbeily

Director, Texas Regional Collaboratives

BREAK

1:15 - 1:30 p.m.

Foyer

SESSION I

1:30 - 4:30 p.m.

Austin

ROUNDTABLE DISCUSSIONS

Improving Teacher Preparation for Student Success and Workforce Preparedness

Participants from Higher Education and Teacher Preparation, Workforce Development, Business and Industry, and Public Policy representing Arkansas, Louisiana, New Mexico, and Texas collaborate to discuss issues that will impact every aspect of public education and workforce development in the 21st Century. The National Alliance of Business and the U.S. Department of Education will facilitate this highly interactive dialogue.

Background and Overview

Kamil A. Jbeily

Director, Texas Regional Collaboratives

Welcome/Introductions

Sally Cain

Secretary's Regional Representative, U.S. Department of Education

Laura Riley

Special Assistant, U.S. Department of Education

Setting the Stage

Vinny Spera

National Alliance of Business

Group I Questions & Discussions

Topic-Skills and Standards: Basic and Specific

Group II Questions and Discussions

Topic-Assessment of Skills:Common Grounds for Educators and Employers

Group III Questions and Discussions

Topic-Preparing Teachers for the Emerging Workforce

Next Steps-A Call to Action

BREAK

4:30 - 6:00 p.m.

Prepare for Reception

Wednesday July 12, 2000(Cont'd)

RECEPTION & GALLERY

6:00 p.m.

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

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

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

Region IV Collaborative, **Houston** -Anna McClane

Region VII Collaborative, **Kilgore** -Nita Beth Camp

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

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

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

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

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

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

Region XVII Collaborative, **Lubbock** - Lesa Leach

Region XIX Collaborative, **El Paso** - Molly Munkatchy

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

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

BUFFETT

7:00 p.m.

Foyer

PROGRAM

7:30 p.m.

OMNI Ballroom

Introductions and Overview

Kamil A. Jbeily

Director, Texas Regional Collaboratives
The University of Texas at Austin

Welcome

Marilyn Kameen

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

Greetings and Remarks

TEXAS HOUSE OF REPRESENTATIVES

Representative Geanie Morrison

District 30, Victoria

TEXAS STATE BOARD OF EDUCATION

Grace Shore

District 8, Longview

KEYNOTE ADDRESS

“Role of Professional Development in Systemic Reform”

Commissioner Jim Nelson

Texas Education Agency

*Presentation of the Texas Regional Collaboratives
2000 Distinguished Service Award*

*Texas Science Hall of Fame Recognition
Joan Drennan-Taylor, Coordinator, Texas Science Summit*

Thursday, July 13, 2000

BREAKFAST

7:00 - 8:30 a.m.

Hotel Restaurant/Ancho's

SESSION II

8:30 - 10:15 a.m.

Ballroom

**Policies and Practices of Professional Development: Challenges and Opportunities
A Dialogue with State Policy Leaders**

Moderator: Jack Christie, Former Chair, State Board of Education

Geannie Morrison, Rep/District 30, Texas House of Representatives

Grace Shore, Board Member, District 8, Texas State Board of Education

Judy Strickland, Board Member, District 15, Texas State Board of Education

Arturo Almendarez, Deputy Commissioner, Texas Education Agency

Gloria White, Director, TX Higher Ed. Coord. Brd. Eisenh. Program

BREAK

10:15 - 10:30 a.m.

Foyer

SESSION III

10:30 - 12:00 noon

Ballroom

**Investment in Education and Indicators of Success
Dialogue With Our Regional Collaboratives Business Partners**

Moderator: Kamil A. Jbeily, Director, Texas Regional Collaboratives

Gloria Delgado, President, SBC Foundation

Verne Isbell, Regional Manager, Delta Education

Andy Coleman, Texas Div. Manager, Holt Rinehart & Winston

Joe Gonzales, Program Officer, ExxonMobil Foundation

Jim Gross, Director of Marketing for Education, CASIO Inc.

George Herzog, Marketing Manager, Frey Scientific

LUNCH

12:00 - 1:30 p.m.

Atrium

SESSION IV

1:30 - 2:45 p.m

Ballroom

Critical Need for Physics Professional Development

Ramon Lopez, Physics Professor, University of Texas-El Paso

BREAK

2:45 - 3:00 p.m.

Foyer

SESSION V

3:00 - 4:15 p.m.

Ballroom

Success Stories

Regional Collaborative Science Teacher Mentors Roundtable

Moderator: James P. Barufaldi, Director, Science Education Center

Sandra Geisbush, ACCD/Project 2061 Regional Collaborative

Bebe Manning, East Texas Regional Collaborative

Shelley Principe, Region VII Collaborative

Margaret Williams, Region XVI Collaborative

Dane Bozeman, Region XVII Collaborative

SESSION VI

4:15 - 5:15 p.m.

Ballroom

TEKS-Based Hands-on Activities/Intergration of Science and Math

Thomas C. Hsu, Founder, Cambridge Physics, Senior Physicist, MIT

ADJOURN

5:15 p.m.

Dinner on Your Own

Friday, July 14, 2000

BREAKFAST

7:00 - 8:00 a.m.

Hotel Restaurant/Ancho's

SESSION VII

8:00 - 9:15 a.m.

Ballroom

News from the Agency

Christina Castillo-Comer, Director of Science, Texas Education Agency

BREAK/CHECK OUT

9:15 - 10:00 a.m.

SESSION VIII

10:00 - 12:00 a.m

Ballroom

Technology in the Service of Science Teaching

Internet Resources

Sal Espinosa, Apple Computer

Scott Rogers, Bureau of Economic Geology/Virtual Reality

SESSION IX/LUNCH

12:15 - 2:00 p.m.

Lonestar

Texas Regional Collaboratives:

In the Service of Texas Science Teachers and Educators

Town Hall Dialogue

Moderator: Kamil A. Jbeily, Director, Texas Regional Collaboratives

2:00 - 2:30 p.m.

Lonestar

Looking Forward to the Future

Kamil A. Jbeily

ADJOURN

2:30 p.m.

Texas Regional Collaboratives for Excellence in Science Teaching

In the Service of Texas Science Teachers

OUR BUSINESS PARTNERS (Statewide)

- Apple Computer Inc. • CASIO Incorporated
- Delta Education • Frey Scientific • ExxonMobil Foundation
- Holt, Rinehart and Winston • Shell Oil Company Foundation
- Southwestern Bell (SBC) Foundation • TexaServers

OUR STATE 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 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

Staying Together is Progress

Working Together is Success



“Effective professional development respects and nurtures the capacity of teachers; is planned collaboratively with teachers; develops content and pedagogy; enhances leadership; is long-term, sustained, and of high intensity; and is evaluated on the basis of its impact on teachers and students.”

—Excerpts from Principles for Professional Development, U.S. Department of Education