

Louisiana Regional Collaboratives for Excellence in Science and Mathematics Teaching



HONORING THE TEACHERS

**Louisiana State University/
Southern University
Regional Collaborative**

Baton Rouge, Louisiana

January 22, 2009



Event support was provided by

Shell

a Regional Collaborative Statewide Corporate Partner

HONORING THE TEACHERS EVENT

PROGRAM

WELCOME

Dr. Joseph Meynsse

Project Director, LSU/SU Regional Collaborative

GREETINGS AND REMARKS

Dr. Ralph Slaughter

President, Southern University System

Dr. Mwalimu Shujaa

Executive Vice Chancellor & Provost, Southern University

Dr. James McCoy

Vice Provost, Louisiana State University

Dr. Kamil A. Jbeily

Executive Director, Texas Regional Collaboratives, UT Austin

Dr. Frazier Wilson

Manager, Social Investment, Shell Oil Company

Dr. Brenda Nixon

Project Director, LSU/SU Regional Collaborative

Joe Salter

Director of Governmental Affairs, Louisiana Department of Education

KEYNOTE ADDRESS

The Honorable Ben Nevers

Chair, Senate Education Committee, Louisiana State Senate

VOICE OF THE TEACHERS

Sister Marie Noel, Recovery School District, New Orleans

Candace Hawkins, East Baton Rouge Parish, Southern Lab School

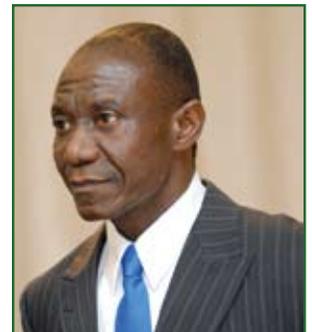


Louisiana State University/Southern University
Regional Collaborative

PROJECT DIRECTORS

Dr. Brenda Nixon
Louisiana State University

Dr. Joseph Meynsse
Southern University



SPEAKERS



The Honorable Ben Nevers
Chair, Senate Education Committee
Louisiana State Senate



“If our country is to be strong, if it is to be what it should be, it will be people like you that will make the difference, because your students will be the future leaders, the future scientists and mathematicians, the future of this great country. Tonight, I am very humbled to stand before you, and I’ll say that we can accomplish the vision we have set out to accomplish if we all work together.”

The Honorable Ben Nevers



Dr. Ralph Slaughter
President
Southern University System

“What these wonderful teachers reveal to us is that you are the catalyst for change in our educational system. So much has been said about our system, but what a great way to change it by creating this type of collaborative effort in our STEM program, and to honor the work that you do.”

Dr. Ralph Slaughter



Dr. Mwalimu Shujaa
Executive Vice Chancellor & Provost
Southern University-Baton Rouge



“There is a proverb that says: “When the student is ready, the teacher will appear,” but teachers just don’t appear. Teachers are developed, and teachers prepare themselves to become excellent teachers and mentors. Thank you on behalf of our children because they are our future, and our future is enhanced by the work this Collaborative is doing.”

Dr. Mwalimu Shujaa



Dr. James McCoy
Vice Provost
Louisiana State University

“It’s because of teachers like you who help young people in class understand their potential that we have today the best educational system in the world. I also want to thank Shell for helping the people of Louisiana.”

Dr. James McCoy

SPEAKERS



Dr. Kamil A. Jbeily
Executive Director
Texas Regional Collaboratives



“You, the teachers are the key for improving our educational system. The best investment we make in education is in you. When you close the door, it’s what you know, how well you teach it, your passion, your enthusiasm, your commitment to high standards, your believing in your students, your honoring your students, that will make a difference in the lives of our future generations. I want to commend you for being teachers and congratulate you on a job well done.”

Dr. Kamil A. Jbeily



Dr. Frazier Wilson
Manager, Social Investment
Shell Oil Company

“Education is really the civil right issue of our time because this is where we see a huge gap that has not been closed. It is really important that we support your efforts and your commitment to excellence, because what you do is not easy. You are inspiring your students to take an interest in math and science, and pursue careers that are going to drive this country.”

Dr. Frazier Wilson



Joe Salter
Director of Governmental Affairs
Louisiana State Senate



“The critical and logical thinking skills that you impart to your students is essential to their future earning and success, and your being here tonight tells me that you are up to the challenge in making sure that all the students learn the fundamentals of science and math. I worked in elementary and secondary education for about thirty-three years, and that experience has deepened my profound respect for the job that you do, especially since you teach science and math, two of the toughest areas to recruit teachers in.”

Joe Salter



Sister Marie Noel
Recovery School District
New Orleans

Voice of the Teachers

Candace Hawkins
East Baton Rouge Parish
Southern Lab School



HONORING THE TEACHERS

Demonstrations



(l to r) **Dr. Joseph Meyinsse**, **Dr. Ralph Slaughter**, **Dr. Mwalimu Shujaa**, and **Dr. Kamil A. Jbeily**



The Honorable Ben Nevers, **Mrs. Nevers**, and **Dr. Brenda Nixon**



Dr. Habib Mohamadian, *Dean, College of Engineering, SU*, **Janifer Peters**, *Assistant to the Dean, College of Engineering, SU*, and **Dr. Frazier Wilson**



HONORING THE TEACHERS



Music by
Southern University Jazz Ensemble



HONORING THE TEACHERS



(l to r) **Dr. Joseph Meyinsse, Dr. James McCoy, Dr. Ralph Slaughter, Dr. Brenda Nixon, Senator Ben Nevers, Dr. Kamil A. Jbeily, Dr. Frazier Wilson, and Dr. Mwalimu Shujaa**

CONGRATULATIONS!



Honored Teachers and guests

LSU/SU REGIONAL COLLABORATIVE

2009 Program Update



Louisiana State University/Southern University Regional Collaborative for Excellence in Science and Mathematics Teaching

LSU/SU REGIONAL COLLABORATIVE CONTINUES TO GROW!

Our Summer Institutes and workshops provide professional and leadership development in research-based learning strategies proven to increase student learning.

Funding sources include Shell Oil Company, Louisiana Math Science Partnerships, National Science Foundation, US Dept. of Education, LaSIP (Louisiana Systemic Initiatives Program) and the Board of Regents.

Our leaders typically receive a minimum of 120 hours of science and/or mathematics professional development, with most far surpassing that number! Teacher test data consistently show improved learning among our leadership cadres.

Institute evaluations have indicated that our teachers acquire not only content knowledge, but

the conceptual understanding needed to explain difficult concepts to their students.

Our leaders mentor their colleagues and play active roles in their schools to build teaching capacity across their faculties. They work tirelessly to provide their students engaging, meaningful learning activities.

The Funding from Shell Oil Company remains to be critical to the successful implementation of the LSU/SU Collaborative as it provides resources to integrate all of the various LSU and SU professional development programs into one cohesive unit.



LSU/SU RC SUPPORTS LATM AND LSTA

The LSU/SU Collaborative has a very visible presence at the professional development institutes sponsored by the Louisiana Science Teachers Association and the Louisiana Association of Teachers of Mathematics. Many of our leaders present workshops that redeliver successful strategies they have used in their classrooms to attendees from across the state.

Summer Institute Participants



2007-08 Program Highlights

- > LSU/SU RC has grown to over 300 teacher-leaders
- > Leaders Mentor New Teachers
- > Leaders and Mentors Present at LSTA/LATM Conferences
- > Leaders Join the Immersion Presents Program with Bob Ballard
- > LSU/SU Great Explorations in Math and Science Site established in collaboration with the Cain Center
- > Project MISE (SU) partnered with LIGO (Laser Interferometer Gravitational Wave Observatory) and the Exploratorium
- > PODCASTING workshops presented new technology for science and math leaders to use with their students.
- > Participants worked with researchers at Louisiana Universities Marine Consortium Institute Summer 2008
- > Elementary/middle/high school students and teachers visited Institutes, university research labs, and LIGO
- > LSU/SU RC brought the first *You Be the Chemist Challenge* to Louisiana and sponsored teams of middle school students across the Baton Rouge Area to compete. The winner was a participant in the national Challenge!

2009 PROGRAM UPDATE



LSU/SU PARTNERS WITH BOB BALLARD'S IMMERSION PROGRAM

Modeling Inquiry Science Education Project (MISE) is designed to facilitate learning in physics/physical science (Waves and Light) and mathematics (Measurement and Number Sense) using information and knowledge of the Laser Interferometer Gravitational Wave Observatory (LIGO) science research and hands-on exhibits “snacks”, and the use of technology to ensure that participants are familiar with the knowledge of the concepts taught in pertinent grade levels. A key goal of Project MISE is to immerse participating in-

“The Louisiana Collaborative has been a wonderful program for me and opened other doors!”
LSU/SU Leader

The LSU/SU LRC is building a Web site that will be unveiled before Honoring the Teachers event!



THE MARS VAN

GREAT EXPLORATIONS IN SCIENCE AND MATH PROVIDES RESOURCES!

Bryan Mendez of the University of California at Berkeley selected the LSU/SU RC and The Cain Center to receive his NASA grant! The funds established the only GEMS (Great Explorations in Math and Science) site in Louisiana!

Dr. Mendez and his colleagues

came to the LRC and presented a two-day professional development session for our Leaders and Building a Presence for Science Key Leaders .

Two of our leaders will be chosen to travel to San Francisco for additional GEMS training to become GEMS Associates. As

Associates, they will present GEMS workshops throughout our Collaborative service region.

The \$20,000 grant also includes GEMS Guides for the participants as well as establish a library of kits and guides to be checked out through the *Science on the Go* Van program

LEVERAGING OUR RESOURCES

Both Southern University and Louisiana State University provide many opportunities for teachers to gain additional teaching expertise.

Among these resources are professional development programs that are offered as well as other avenues for improving student learning.

Partnerships that STRETCH our own resources and increase the Collaborative's impact include:

- 1) MARS Van—this van, funded by the Cain Center, brings SPACE science to life!
 - 2) *Science on the Go* Program, also funded by the Cain Center, delivers instructional materials and supplies to teachers
 - 3) NSTA and NSTA's Building a Presence for Science keeps our Leaders in touch with national trends. Several of our Leaders presented at the 2007 NSTA Conference
 - 4) Louisiana Science Teachers Association has provided a forum for our Leaders to present and keep abreast of state standards and expectations
- The Mentor/Mentee model the Collaborative has adopted also increases impact and assists each Leader in implementing change in their regions.

THANKS! Without the assistance from Shell Oil Company in partnership with the University of Texas at Austin and the TRC, these activities would have not taken place.

PROFESSIONAL DEVELOPMENT ACADEMIES

Project MISE

One of the LSU/SU Regional Collaborative activities is the Modeling Inquiry Science Education Project (MISE). This project is designed to facilitate learning in physics/physical science (Waves and Light) and mathematics (Measurement and Number Sense) using information and knowledge of the Laser Interferometer Gravitational Wave Observatory (LIGO) science research and hands-on exhibits “snacks,” and the use of technology to ensure that participants are familiar with the knowledge of the concepts taught in pertinent grade levels. A key goal of Project MISE is to immerse participating in-service and pre-service teachers in inquiry-based teaching and learning experiences using LIGO science concepts.

Southern University and A&M College, Baton Rouge (SUBR) Project MISE targets about twenty-five teachers in grades 6-9 each year from districts that include: Avoyelles, East and West Feliciana, East and West Baton Rouge, St. Helena, Iberville, Pointe Coupee, Ascension, Central Community School District, and the private sector. Each district is required to send at least five participants. Each team consists of two science teachers, two mathematics teachers, and one lead teacher or facilitator from math or science. In addition, five SUBR College of Education secondary pre-service teachers are selected to participate in the Project.

The Project consists of a ten day summer professional development institute and six follow-up days during the academic year. The purpose of this institute is to provide (1) structured inquiry-based experiences and (2) expand teachers’ ability to utilize exhibits and “snacks” in teaching. Project MISE has a full-time Site Coordinator. No graduate credit is offered, but participants are awarded CLU credits. Contributing partners are LaSIP, LIGO SEC, and the San Francisco Exploratorium.



PROFESSIONAL DEVELOPMENT ACADEMIES

Podcasting Training



Collaborative trip to the Louisiana Universities Marine Consortium on the Gulf Coast





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