

National Math
and Science Initiative

U Teach Institute

2009 CONFERENCE

May 27-29, 2009

THE UNIVERSITY OF TEXAS AT AUSTIN

Session Schedule

AT&T Executive Education and Conference Center at The University of Texas at Austin

WEDNESDAY, MAY 27, 2009

12:45–1:30PM

Registration | MEETING LEVEL 2 - LOBBY/REGISTRATION

1:30–2:00PM

General Session | AMPHITHEATER (204)

TOM LUCE, CHIEF EXECUTIVE OFFICER, NATIONAL MATH AND SCIENCE INITIATIVE
MARY ANN RANKIN, DEAN, COLLEGE OF NATURAL SCIENCES, UT-AUSTIN
MARILYN KAMEEN, SENIOR ASSOCIATE DEAN, COLLEGE OF EDUCATION, UT-AUSTIN

2:15–5:30PM

Breakout Sessions and Workshops | MEETING LEVEL 1 AND 2

2:15–3:30PM

Texas Replication Site Meeting | ROOM 101

LARRY ABRAHAM, CO-DIRECTOR, UTEACH

Co-Presenter: TRACY LAQUEY PARKER, DIRECTOR, UTEACH INSTITUTE

This is a closed session for current Texas replication sites and will focus on topics of interest and relevant updates.

We're All in Sales | ROOM 102

RENA PEDERSON, COMMUNICATIONS DIRECTOR, NATIONAL MATH AND SCIENCE INITIATIVE

Find out how other UTeach campuses are promoting their programs and what you can do to promote yours to students and donors.

Using Collaborative Web 2.0 Technologies in Step Courses | ROOM 103

CRAIG SCHNEIDER, MASTER TEACHER, UNIVERSITY OF COLORADO

Co-Presenter: MIKE ROSS, MASTER TEACHER, UNIVERSITY OF COLORADO

During this session, we'll describe how CU Teach is using various online tools to facilitate the teaching and learning experiences of Step students. With the necessity for teaching teams to collaborate on lesson planning, and for instructors and mentor teachers to provide feedback on lesson plans and implementation, CU Teach wanted a system that was a more efficient and reliable form of communicating and collaborating than snail-mailing feedback forms and sending email attachments. We'll show you what we did and have you try out some of the tools. We also will brainstorm together additional uses of these tools. Have your laptops ready.

Course Roundtable: Step 1 and 2 | ROOM 104

Facilitators: LYNN KIRBY, MASTER TEACHER, UT-AUSTIN; PRUDIE CAIN, MASTER TEACHER, UT-AUSTIN

Bring your questions, comments, suggestions and ideas to this facilitated discussion of the UTeach Step courses.

Course Roundtable: Perspectives | ROOM 104

Facilitators: ABIGAIL LUSTIG, ASSISTANT PROFESSOR, UT-AUSTIN; ALBERTO MARTINEZ, ASSISTANT PROFESSOR, UT-AUSTIN

Bring your questions, comments, suggestions and ideas to this facilitated discussion of the UTeach Perspectives on Science and Mathematics course.

Providing UTeach Program Administrative Support | ROOM 107

PAM MUSCARELLO, BUSINESS ADMINISTRATOR, UNIVERSITY OF HOUSTON

Co-Presenters: LEAH SHIELDS, ACADEMIC PROGRAM MANAGER, UNIVERSITY OF HOUSTON; BILLIE ARCHER, BUSINESS MANAGER, THE UNIVERSITY OF KANSAS

This session will be organized as a group discussion among staff peers on topics that we face in supporting the administrative setup and maintenance of the replication of UTeach with our unique universities. Topics include rolling out a new department, getting pre-established departments on board, setting up and managing the internship and scholarship programs, collecting and reporting cost sharing data, and navigating the bureaucracy with multiple colleges.

2:15–5:30PM

What is UTeach? | AMPHITHEATER (204)

MARY WALKER, MANAGER, UTEACH INSTITUTE

Co-Presenters: MICHAEL MARDER, CO-DIRECTOR, UTEACH; LARRY ABRAHAM, CO-DIRECTOR, UTEACH

This session is for anyone interested in learning more about the UTeach secondary math and science program at UT Austin. Presenters will describe the hallmarks of UTeach, its organizational structure at the university, the roles of key program staff and faculty, and its partnership with local K–12 schools. In addition, presenters will provide an overview of the UTeach course sequence and field experiences and introduce each course in the UTeach curriculum. Finally, the presenters will review the program's results at UT Austin, including program enrollment and retention, student profiles, and teacher production and retention.

3:45–4:30PM

UTeach Engineering | ROOM 101

DAVID T. ALLEN, MELVIN H. GERTZ REGENTS PROFESSOR IN CHEMICAL ENGINEERING; DIRECTOR, CENTER FOR ENERGY AND ENVIRONMENTAL RESOURCES; DIRECTOR, UTEACHENGINEERING, UT-AUSTIN Co-Presenters: RICHARD H. CRAWFORD, PROFESSOR OF MECHANICAL ENGINEERING, COCKRELL SCHOOL OF ENGINEERING, UT-AUSTIN; TAYLOR MARTIN, ASSISTANT PROFESSOR OF SCIENCE AND MATHEMATICS EDUCATION RESOURCES, UT-AUSTIN; ANTHONY J. PETROSINO, ASSOCIATE PROFESSOR, MATHEMATICS AND SCIENCE EDUCATION, UT-AUSTIN

The University of Texas at Austin's Cockrell School of Engineering, College of Education, UTeach Natural Sciences program and the Austin Independent School District are collaborating to develop and deliver UTeachEngineering, an innovative, design-based curriculum for preparing secondary teachers of engineering. In this session, we will present an overview of the UTeachEngineering program as a whole and the professional development pathways designed to meet the growing need for engineering teachers in Texas and, ultimately, across the nation.

UKanTeach Recruitment and Retention Strategies | ROOM 102

SARAH DELGADO, *INTERNSHIP COORDINATOR, THE UNIVERSITY OF KANSAS*

Co-Presenter: DANIELLE BARKER, *ADVISOR, THE UNIVERSITY OF KANSAS*

This session will discuss the successful student recruitment activities implemented over the last two years by UKanTeach (classroom presentations, orientation sessions, flyers, and other methods) and retention methods that have lead to greater than 70% of Step 1 students continuing to Step 2.

Teaching Portfolios | ROOM 103

JAMES ELLIS, *NCATE COORDINATOR, SCHOOL OF EDUCATION, THE UNIVERSITY OF KANSAS*

This session will discuss the development, structure, and assessment rubric for a culminating science teaching portfolio aligned to NCATE/ NSTA competencies and Kansas state standards. Students' use of the KEEP ToolKit, developed by the Carnegie Foundation, to produce their teaching portfolios also will be discussed.

Literacy in UTeach | ROOM 104

MARY HARRIS, *CO-DIRECTOR, UNIVERSITY OF NORTH TEXAS*

UTeach addresses a state requirement of a course on reading in the content areas by integrating literacy content across the curriculum. As part of our application for state approval of TNT, UNT updated UT's explanation of literacy components. UNT's work is based on the textbook adoption of our secondary education faculty, *Content Area Reading and Literacy: Succeeding in Today's Diverse Classrooms* by Alvermann, Phelps, and Ridgeway (5th Edition, Pearson, 2007). This session will examine the literacy content embedded in the UTeach courses, demonstrate some of the literacy strategies that are included, and share resources for learning more.

NCATE and UTeach Replication | ROOM 107

JULIE GESS-NEWSOME, *CO-DIRECTOR, NORTHERN ARIZONA UNIVERSITY*

It is obvious that the UTeach program contains many of the elements required by the NCATE review process. Synthesizing NCATE requirements with the UTeach program, however, can be a time consuming and somewhat daunting task. This presentation will show how Northern Arizona University designed NCATE transition points and aligned required SPA assignments with the UTeach program. Other programs who have strategies to share or who have questions about how to proceed are encouraged to attend.

4:45–5:30PM

Financial Reporting | ROOM 101

PATTY PICKARD, *CFO, NATIONAL MATH AND SCIENCE INITIATIVE*

This session will provide an introduction to the financial reporting requirements for current NMSI grantees as well as a discussion of grantee fiscal responsibility to donors, supporting partners and other stakeholders. This session will: briefly overview the contractual requirements from the Grantee Agreements with NMSI establishing the reporting guidelines with focus on the positive aspects of the existence of regular reporting of financial data; review the NMSI financial database reporting tool – highlighting recent budget tool improvements; establish the FY 2010 financial reporting and Budget preparation deadlines, and summarize the necessary preparation required for the impending Grantee internal audits.

Roles of Students in the Field | ROOM 102

NICCI NUNES, *MASTER TEACHER, THE UNIVERSITY OF CALIFORNIA, BERKELEY*

This session will discuss the use of Cal Teach Berkeley students as college-going role models in K–12 schools.

Implementing a Web-Based Portfolio | ROOM 103

PAIGE EVANS, *MASTER TEACHER, UNIVERSITY OF HOUSTON*

This session will explore how teachHOUSTON designed a Web-based portfolio that encompasses all program courses. The presenter will highlight alignment to state certification competencies as well as explain how the Web-based portfolio can be modified to align with other state/ university/national competencies. The presenter will also explain how teachHOUSTON's portfolios can be used to enhance students' preparation for future employment.

NCATE and Performance Assessment | ROOM 104

SALLY ROBERTS, *ASSOCIATE DEAN, SCHOOL OF EDUCATION, THE UNIVERSITY OF KANSAS*

This session will provide information about the new Kansas Performance Teaching Portfolio that all teacher candidates must complete to get a teacher license in the state. UKanTeach students also will be required to complete this assessment. This is an innovative requirement. The development of the assessment, pilot data, as well as how it will be implemented may be helpful for programs in other states.

Rural Delivery of Step 1 and 2 | ROOM 107

JULIE GESS-NEWSOME, *CO-DIRECTOR, NORTHERN ARIZONA UNIVERSITY*

Co-Presenter: JANET MCSHANE, *CO-DIRECTOR, NORTHERN ARIZONA UNIVERSITY*

Step 1 and 2 courses provide an outstanding opportunity for students to observe classrooms and try their hand at teaching. But how can these field-intensive courses be offered in rural areas in which a single university quickly overwhelms available local placements? Join this discussion to brainstorm alternative placement strategies that may be employed in rural areas.

6:00–7:30PM

Welcome Reception

Tejas

THURSDAY, MAY 28, 2009

8:00–8:45AM

Breakfast | MEETING LEVEL 1 – BREAK AREA

9:00–10:15AM

Plenary Session: Sustaining and Replicating Worthwhile Innovations | AMPHITHEATER (204)

DAVID P. RACINE

Dr. David Racine has decades of experiences consulting and researching the expanded use of promising ideas of programs. What knowledge, skills, and conditions are required to reproduce across space and time the effectiveness of worthwhile innovations? Dr. Racine reviews an extensive body of literature and experience to discuss factors influencing the sustainability and replication of effective innovations. In this session, Dr. Racine

presents a working definition of the term “replication,” discusses the concept of fidelity, and explains how replication and adaptation are inextricably linked.

our teachHOUSTON student workers, and create model lesson plans to promote student success.

9:00AM–12:45PM

Student Poster Session | ROOM 107

This session includes displays of coursework for each of the UTeach courses. Students will be on hand to share information and answer questions.

10:30–11:45AM

What is UTeach Replication? | AMPHITHEATER (204)

TRACY LAQUEY PARKER, *DIRECTOR, UTEACH INSTITUTE*

Co-Presenters: MELISSA DODSON, *MANAGER, UTEACH INSTITUTE*; KIMBERLY HUGHES, *MANAGER, UTEACH INSTITUTE*; MARY WALKER, *MANAGER, UTEACH INSTITUTE*

The UTeach Institute has developed a comprehensive approach to supporting the replication of UTeach at partnering university sites. This session provides an overview of the Institute’s products and services, including site selection, communication of the UTeach model, operational and instructional support, evaluation services, and networking and community building opportunities. Participants will learn about the competitive RFP process and selection criteria, initiating a UTeach program, planning and budgeting for a UTeach program, and expectations for program rollout and course fidelity.

Step 2: Teaching Science with Math...or is it Teaching Math with Science? | ROOM 101

LYNN KIRBY, *MASTER TEACHER, UT-AUSTIN*

Co-Presenter: JASON ERMER, *MASTER TEACHER, UT-AUSTIN*

Jason Ermer and Lynn Kirby have developed a series of middle school lessons that combine science and math to use in the Step 2 course. We will demonstrate lessons and provide handouts for participants who attend.

Recruiting Students — Not Necessarily a No-Brainer! Marketing the Why and Not the What | ROOM 102

JOHN MILAM, *MASTER TEACHER, LOUISIANA STATE UNIVERSITY*

Co-Presenter: JOHN RICE, *OWNER, COMMONSENSE COMMUNICATIONS*

In the fall of 2008, LSU had 16 students in Step 1. In Spring 2009, they enrolled 112. This presentation will cover how they established a new brand and image for GeauxTeach by marketing the benefits of the program through student testimonials. Topics will include how Geaux Teach created a strategic public relations package to meet its marketing goals as well as the concerns and issues the program faced when enrollment jumped from 16 to 112. Presenters also will cover their vision of a development campaign and materials.

Step 1 Lesson Planning and Model Lessons | ROOM 103

PERRI SEGURA, *MASTER TEACHER, UNIVERSITY OF HOUSTON*

Co-Presenters: SUSAN WILLIAMS, *MASTER TEACHER, UNIVERSITY OF HOUSTON*; PAIGE EVANS, *MASTER TEACHER, UNIVERSITY OF HOUSTON*; KATRINA LYONS, *MASTER TEACHER, UNIVERSITY OF HOUSTON*

Let us introduce you to how we scaffold support for writing lesson plans in our STEP 1 class. Learn how we provide resources, utilize

Course Roundtable: Apprentice Teaching | ROOM 104

Facilitators: KELLI ALLEN, *MASTER TEACHER, UT-AUSTIN*; PAMELA POWELL, *MASTER TEACHER, UT-AUSTIN*

Bring your questions, comments, suggestions and ideas to this facilitated discussion of the UTeach Apprentice Teaching course.

Course Roundtable: Project-Based Instruction | Room 104

Facilitators: ANTHONY PETROSINO, *ASSOCIATE PROFESSOR, UT-AUSTIN*; BILL MCKENNA, *TEACHING ASSISTANT, UT-AUSTIN*

Bring your questions, comments, suggestions and ideas to this facilitated discussion of the UTeach Project-Based Instruction course.

11:45AM–12:30PM

Lunch

Tejas

12:45–2:00PM

Highlights from Implementation Year 1 | AMPHITHEATER (204)

MELISSA DODSON, *MANAGER, UTEACH INSTITUTE*

Co-Presenters: PAMELA ROMERO, *MANAGER, UTEACH INSTITUTE*; MARY WALKER, *MANAGER, UTEACH INSTITUTE*

To date, 13 universities receiving UTeach replication grants have completed a planning period and one year of program implementation. During this period, university staff and faculty members at the replication sites engaged in a variety of activities to implement their UTeach-based programs. This session highlights cross-site results that were achieved during this time period. Presenters will share results on student recruitment, program enrollment, student demographics, student satisfaction, and other indicators of program implementation.

New Tech High Schools and the New Tech Foundation | ROOM 101

SHARON OLDHAM, *DIRECTOR OF SCHOOL DEVELOPMENT, NEW TECH FOUNDATION*

Co-Presenter: STEVE ZIPKES, *DIRECTOR, MANOR NEW TECHNOLOGY HIGH SCHOOL*

This session will focus on a non-traditional approach to high school instruction. New Technology High Schools are uniquely characterized by a culture that empowers project based learning as the primary instructional method and an integrated collaborative technology platform. Students are engaged in their learning through rigorous, standards-based, project learning implemented in a one-to-one computer-student environment. Information about the New Technology High School Network will be provided along with visible examples of how students work and learn in these schools. Steve Zipkes, principal of Manor New Technology High School, will bring exciting examples of teachers and students working successfully in this technology rich, PBL environment.

12:45–1:30PM

Individualizing Support for Students During Apprentice Teaching | ROOM 102

KELLI ALLEN, *MASTER TEACHER, UT-AUSTIN*

Co-Presenter: PAMELA POWELL, *MASTER TEACHER, UT-AUSTIN*

This presentation encompasses the development of a differentiated style of instruction that incorporates the UTeach apprentice teaching goals and objectives with individualized learning plans. Each apprentice teacher is placed in a unique field position and each individual has his/her own personal teaching style, professional goals, and work load they must implement throughout the apprentice teaching semester. The presentation will include ways to develop personalized and individualized learning plans tailored to individual apprentice teacher needs. The presenters will speak of their experiences in implementing the “Yes I Can” differentiated instruction model and the effects on the apprentice teachers and their own teaching philosophies.

Recruiting Students to Teaching through the STEM Colorado Learning Assistant Program | ROOM 103

VALERIE OTERO, *CO-DIRECTOR, ASSOCIATE PROFESSOR OF SCIENCE EDUCATION, UNIVERSITY OF COLORADO*

Co-Presenter: MICHAEL KLYMKOWSKI, *CO-DIRECTOR, PROFESSOR OF MOLECULAR, CELLULAR, AND DEVELOPMENTAL BIOLOGY, UNIVERSITY OF COLORADO*

Learning Assistants (LAs) are talented undergraduate students who are hired to help transform large-enrollment math and science courses to be collaborative, student-centered, and interactive. Meanwhile, the LA model serves as a teacher recruitment mechanism--LAs make up the pool from which K–12 teachers are recruited. The LA model has demonstrated effectiveness in improving undergraduate education, in facilitating multi-disciplinary collaboration among faculty, and in recruiting talented math and science majors to teaching careers. We will describe the learning assistant program and present data to support claims about the efficacy of the program. We will also discuss some lessons learned in the five years of implementing the program.

Strengthening Student Questioning Strategies | ROOM 104

BRAD WILLIAMSON, *MASTER TEACHER, THE UNIVERSITY OF KANSAS*

This session will explore using activities to promote Socratic questioning in Step 1 and 2.

1:45–2:30PM

Providing UTeach Internships | ROOM 102

SARAH DELGADO, *INTERNSHIP COORDINATOR, THE UNIVERSITY OF KANSAS*

Co-Presenter: SHELLY RODRIGUEZ, *MASTER TEACHER, UT-AUSTIN*

The UTeach internship program is one of the hallmarks of UTeach. This program provides UTeach students with an opportunity for educational service in the community and provides them with financial support as they pursue their teaching certification. Over the years, the UTeach internship program has been incredibly successful in strengthening ties with the community. Presenters Shelly Rodriguez and Sarah Delgado will highlight the workings of the internship program at the University of Texas at Austin and discuss the University of Kansas’s journey as they replicate the internship experience for their students.

Recruitment and Training of Mentor Teachers | ROOM 103

SHARON BESSON, *MASTER TEACHER, LOUISIANA STATE UNIVERSITY*

Co-Presenters: BRENDA NIXON, *MASTER TEACHER AND CO-DIRECTOR, GORDON A CAIN CENTER, LOUISIANA STATE UNIVERSITY*

This session will discuss the recruitment and training of mentor teachers for elementary field experiences.

Designing and Implementing an Innovative Masters Program for Preservice Secondary Mathematics Teachers | ROOM 104

MARK DANIELS, *CLINICAL ASSOCIATE PROFESSOR, UTEACH AND MATHEMATICS, UT-AUSTIN*

Co-Presenter: EFRAIM ARMENDARIZ, *ASSOCIATE PROFESSOR, MATHEMATICS, UT-AUSTIN*

In conjunction with the College of Education, the UTeach Teacher preparation program at UT Austin instituted, in June 2004, the Summer Master’s program in Science and Mathematics Education. The Mathematics component of this program involves inquiry-based and project-based instruction. Beginning in Summer, 2008, an option within the Mathematics Department’s MA program also became available. A distinguishing feature of both Master’s programs is that completely new graduate level courses in mathematics were designed to address the needs of the target population. This presentation is a report on the design and implementation of Mathematics courses in both of these programs as well as the creation of a senior-level Mathematics course, the goal of which is the preparation of mathematics/secondary teaching majors for graduate coursework in similar MA programs.

Successful Step 1 Lessons | ROOM 107

MELISSA RUDLOFF, *MASTER TEACHER, WESTERN KENTUCKY UNIVERSITY*

RICO TYLER, *MASTER TEACHER, WESTERN KENTUCKY UNIVERSITY*

This session will demonstrate components of successful Step 1 lessons focused on special needs learners, equity, and assessment. Participate in the hands-on activities that Western Kentucky University Master Teachers have used to engage their college students throughout Step 1. Hear from WKU students who experienced these fundamental lessons, and take home ideas to enrich your Step 1 curriculum. This session will help Master Teachers and others who will initially be working with students in Step 1.

2:45–4:00PM

Leadership Panel: Building a Collaborative Culture | AMPHITHEATER (204)

Moderator: MARY ANN RANKIN, *COLLEGE OF NATURAL SCIENCES, UT-AUSTIN*

Panelists: SAM EVANS, *DEAN, COLLEGE OF EDUCATION, WESTERN KENTUCKY UNIVERSITY*; BRUCE KESSLER, *ASSISTANT DEAN OF SCIENCE AND ENGINEERING, WESTERN KENTUCKY UNIVERSITY*; VALERIE OTERO, *CO-DIRECTOR, UNIVERSITY OF COLORADO*; DOUG BAIRD, *CO-DIRECTOR, TEMPLE UNIVERSITY*; SHELDON EKLAND-OLSON, *PROFESSOR OF LIBERAL ARTS, UT-AUSTIN*

One of the hallmarks of a successful UTeach program is consistent and effective collaboration at multiple levels. During this session, co-directors and deans from universities currently implementing UTeach programs will share their experiences leading program implementation and engaging key stakeholders in the process.

UTeach Graduate Panel | ROOM 101

Moderator: MARY WALKER, *MANAGER, UTEACH INSTITUTE*

Panelists: STEPHANIE KLEZENDORF; *BIOLOGY TEACHER*; CHRIS MIHEALSICK *CHEMISTRY TEACHER*; ELIZABETH ABERNATHY, *MIDDLE SCHOOL SCIENCE TEACHER*; RACHEL CARROLL, *MATH TEACHER*; MIRYAM CASAS, *MENTOR*

This panel of UTeach graduates will discuss how the UTeach undergraduate program prepared them for their teaching careers, from their greatest challenges to their most satisfying accomplishments. The panel will also describe how they have been supported after leaving the UTeach program through induction services and the UTeach summer masters program. Several panel members will describe how they have remained part of the UTeach program by serving as mentor teachers to UTeach Natural Sciences pre-service students.

Master Teachers Across the Curriculum | ROOM 102

MARY LONG, *MANAGER, UTEACH INSTITUTE*

Co-Presenters: JASON ERMER, *MASTER TEACHER, UT-AUSTIN*; LYNN KIRBY *MASTER TEACHER, UT-AUSTIN*; SHELLY RODRIQUEZ, *MASTER TEACHER, UT-AUSTIN*

The role of the Master Teacher is a hallmark of the UTeach program. Join this panel of presenters as they discuss the many and varied responsibilities of the Master Teacher. The UTeach Austin work load policy will be shared as well as details of the degree and nature of the involvement of Master Teachers in each UTeach course.

Planning for Induction | ROOM 103

KELLI ALLEN, *MASTER TEACHER, UT-AUSTIN*

Co-Presenters: PRUDIE CAIN, *MASTER TEACHER, UT-AUSTIN*; STEVE CASE *MASTER TEACHER, THE UNIVERSITY OF KANSAS*; MARGIE HILL; *MASTER TEACHER, THE UNIVERSITY OF KANSAS*; PERRI SEGURA, *MASTER TEACHER, UNIVERSITY OF HOUSTON*; SUSAN WILLIAMS, *MASTER TEACHER, UNIVERSITY OF HOUSTON*

It's not too early to begin thinking about your first graduates! Join this panel of Master Teachers as they discuss strategies for supporting UTeach graduates during their first year of teaching.

Course Roundtable: Functions and Modeling | ROOM 104

Facilitators: MARK DANIELS, *CLINICAL ASSOCIATE PROFESSOR, UTEACH AND MATHEMATICS, UT-AUSTIN*; EFRAIM ARMENDARIZ, *ASSOCIATE PROFESSOR, MATHEMATICS, UT-AUSTIN*

Bring your questions, comments, suggestions and ideas to this facilitated discussion of the UTeach Functions and Modeling course.

Course Roundtable: Classroom Interactions | ROOM 104

Facilitator: JILL MARSHALL, *ASSOCIATE PROFESSOR, UT-AUSTIN*

Bring your questions, comments, suggestions and ideas to this facilitated discussion of the UTeach Classroom Interactions course.

Step 1 Demonstration Lesson: Now Hear This! | ROOM 107

TERRY SHANAHAN, *MASTER TEACHER, UNIVERSITY OF CALIFORNIA, IRVINE*

Co-Presenter: KRIS HOUSTON, *MASTER TEACHER, UNIVERSITY OF CALIFORNIA, IRVINE*

This interactive 5E lesson on sound (a California grade two standard) models effective elementary science lessons. This lesson is the first one the UC Irvine CA Teach program uses to introduce its undergraduates to components of elementary science lessons. Participants in this session will experience the lesson as learners then will debrief the lesson as teachers. This session will be sure to amaze and amuse you (and you just may learn a thing or two about sound along the way).

4:15–5:30PM

Development Panel: How to Raise Money | AMPHITHEATER (204)

Moderator: MARY ANN RANKIN, *DEAN, COLLEGE OF NATURAL SCIENCES, UT-AUSTIN*

Development Introduction: KAY THOMAS, *ASSOCIATE DEAN FOR EXTERNAL RELATIONS, COLLEGE OF NATURAL SCIENCES, UT-AUSTIN*

Individual Funder Panel: ANDY GREENAWALT, GEORGE CASEY, RANI CLASQUIN, JEFF KODOSKY, RICH SCHMERBECK

Corporate and Foundation Philanthropy Panel: WYNN ROSSER, *EXECUTIVE DIRECTOR, GREATER TEXAS FOUNDATION*; JOHN HARRINGTON, *MANAGER, STRATEGIC COMMUNITY INVESTMENTS, EXXON MOBIL CORPORATION*

This session will discuss the importance of private fundraising to support the sustainability of UTeach programs. Topics will include creating a fundraising task force and understanding donor and foundation expectations.

Critical Attributes of the Project Based Classroom | ROOM 101

SARA HAWKINS, *SCIENCE TEACHER, MANOR NEW TECH HIGH SCHOOL*

Co-Presenters: HEATHER CROUCH, *SCIENCE TEACHER, MANOR NEW TECH HIGH SCHOOL*; TARA CRAIG, *MATH TEACHER, MANOR NEW TECH HIGH SCHOOL*; STEPHANIE HART, *SCIENCE TEACHER, MANOR NEW TECH HIGH SCHOOL*; BOBBY GARCIA, *ENGINEERING TEACHER, MANOR NEW TECH HIGH SCHOOL*

How do you establish a project-based classroom, and how do you know it's working? This presentation will cover critical elements of a PBL classroom such as scaffolding 21st century skills, creating PBL assessments, establishing accountability and authoring standards-based curricula. Teachers will discuss their experiences implementing PBL in both a New Tech model and in a traditional classroom.

Research Consortium | ROOM 102

MELISSA DODSON, *MANAGER, UTEACH INSTITUTE*

The UTeach Institute is working to develop a national research consortium consisting of researchers from UT Austin and the 13 UTeach replication sites who share an interest in conducting research related to math and science teaching and learning. The goal of this group will be to partner on research projects as well as set policies and agendas related to access and use of data collected by the Institute. During this meeting participants will be encouraged to make suggestions regarding several aspects of this consortium.

Forming a Student Organization | ROOM 103

CLAIRE AUSTIN, *SOCIAL COORDINATOR, MASTT, UT-AUSTIN*

Co-Presenters: FAEZANA ALI, *CO-PRESIDENT, MASTT, UT-AUSTIN*; LAURYN ATWOOD, *CO-PRESIDENT, MASTT, UT-AUSTIN*; MEGAN FOWLER, *STUDENT, THE UNIVERSITY OF KANSAS*; GREG RENOUD, *STUDENT, LOUISIANA STATE UNIVERSITY*; AMANDA TERRY, *STUDENT, UNIVERSITY OF CALIFORNIA, IRVINE*

Students from UTeach Austin and other universities who have successfully created student organizations will lead a discussion with other students interested in forming student organizations at their home universities. The group will also brainstorm ideas and begin planning for a national student organization.

Course Roundtable: Research Methods | ROOM 104

Facilitator: MICHAEL MARDER, *CO-DIRECTOR, UTEACH*

Bring your questions, comments, suggestions and ideas to this facilitated discussion of the UTeach Research Methods course.

Course Roundtable: Knowing and Learning in Mathematics and Science | ROOM 104

Facilitators: WALTER STROUP, *ASSOCIATE PROFESSOR, UT-AUSTIN*; ANTHONY PETROSINO, *ASSOCIATE PROFESSOR, UT-AUSTIN*

Bring your questions, comments, suggestions and ideas to this facilitated discussion of the UTeach Knowing and Learning in Mathematics and Science course.

Step 1 Demonstration Lesson: The Bat Problem and Discovering Vertex-Edge Graphs | ROOM 107

DEBORAH WOLF, *MASTER TEACHER, NORTHERN ARIZONA UNIVERSITY*

Co-Presenter: DAVE THOMPSON, *MASTER TEACHER, NORTHERN ARIZONA UNIVERSITY*

The Bat Problem is a hands-on, inquiry-based 4th grade mathematics lesson that provides an opportunity for students to discover how to use vertex-edge graphs to solve a problem. The lesson incorporates SIOP strategies for English as a Second Language (ESL) learners and demonstrates to Step students how inquiry can be used in mathematics lessons.

6:30–9:30PM

Reception and Dinner Hosted by Exxon Mobil Corporation |

GRAND BALLROOM, SALON C

Business Attire

FRIDAY, MAY 29, 2009

8:00–8:45AM

Breakfast | MEETING LEVEL 1 – BREAK AREA

9:00–11:00AM

Open House—UTeach Facilities | REFER TO MAP IN CONFERENCE PACKET

College of Natural Sciences: Painter Hall, 4th Floor

College of Education: Sanchez Building, ROOM 316

9:00–10:15AM

Replication Site Updates | AMPHITHEATER (204)

(This session is open to all conference participants)

Facilitators: MARY LONG, *MANAGER, UTEACH INSTITUTE*; AARON SMITH,

MANAGER, UTEACH INSTITUTE

Current replicating universities will provide brief updates, sharing highlights from their first year of UTeach implementation.

10:30AM–1:00PM

Special Interest Groups (box lunches provided)

(These sessions are open to all conference participants)

I. Master Teachers | 103

Facilitators: MELISSA RUDLOFF, *MASTER TEACHER, WESTERN KENTUCKY UNIVERSITY*;

MALYNN KELSO, *MASTER TEACHER, FLORIDA STATE UNIVERSITY*

Master Teachers from WKU and FSU will facilitate follow-up discussions of issues raised at the Master Teacher Retreat in November. Attendees will suggest additional topics for discussion.

II. Leadership (Co-Directors, Deans and Provosts) | 104

Facilitators: LARRY ABRAHAM, *CO-DIRECTOR, UTEACH*; MICHAEL MARDER, *CO-DIRECTOR, UTEACH*

Various co-directors will share strategies for strengthening faculty involvement in the design and implementation of UTeach programs. Attendees will suggest additional topics for discussion.

III. Faculty | 107

Facilitator: KIM HUGHES, *MANAGER, UTEACH INSTITUTE*

Faculty will discuss strategies for networking with one another, sharing course resources and collaborating on future course development. Attendees will suggest additional topics for discussion.

IV. Development Officers | 108

Facilitator: TRACY LAQUEY PARKER, *DIRECTOR, UTEACH INSTITUTE*

Development officers and other fundraisers will discuss networking activities and share fundraising strategies and resources with one another. Attendees will suggest additional topics for discussion.

V. Program Support (Staff and Advisors) | SALON A

Facilitator: BILLIE ARCHER, *BUSINESS MANAGER, THE UNIVERSITY OF KANSAS*

Program support staff and advisors will discuss strategies for managing program growth at their various universities. Attendees will suggest additional topics for discussion.

1:00PM

Adjourn