Welcome to the
Technology in Elementary Education Conference

April 25, 2014
8:30 a.m. – 3:30 p.m. in Rudder Tower

Conference Co-Chairs:
Drs. Trina Davis, Robin Rackley and Radhika Viruru

techconference.tamu.edu
Dear Conference Attendees,

I would like to welcome each of you to the Technology in Elementary Education Conference, the inaugural event of the department sponsored education conference. It is an exciting time for the Department of Teaching, Learning and Culture (TLAC) as we continue to strengthen our programs and remain innovative and motivated to identify ways of improving K–12 education through teacher preparation in the State of Texas and beyond. School education is confronting many challenges and we are meeting these challenges during a time of broader national and global change. The field of teacher education is an exciting area in which we are dedicated to prepare and help teachers become agents of change in K–12 education. We will continue to serve as catalysts to bring inspired people together in forums like this, to ensure our department remains on the cutting edge.

With technology becoming more and more important in shaping and changing how we learn and teach, it becomes imperative for us to rethink what teachers need to know and be able to do, and how teacher education programs can help better prepare teachers. With a focus on elementary education, this conference provides a much-needed platform for all of us to get together to share, discuss and learn the possibilities, advantages and disadvantages of what technology can offer in elementary classroom instruction and teacher education. We transform lives through teaching, and with the integration of technology!

I also want to take this opportunity to thank the conference co-chairs, Drs. Trina Davis, Robin Rackley and Radhika Viruru, for their leadership and efforts. Without their dedication and hard work, this department initiative would not have been able to become today’s conference with such a stellar group of speakers so quickly and successfully. Thanks also go to many staff, students and other faculty members in the department and the communication office in the college for all of their help. We’d like to thank the Texas Computer Education Association (TCEA) for their valued participation in this conference. It was indeed an amazing team effort that led to the success of this conference!

Finally, I would like to thank each of you for attending this conference and bringing your expertise to our gathering. You are truly our greatest asset today and tomorrow, and we could not accomplish what we do without your support and leadership. Throughout this conference, I ask you to stay engaged, keep us proactive and help us shape the future of teacher education. My personal respect and thanks goes out to all of you.

Gig ‘Em,

Yeping Li, Ph.D.
Professor and Department Head
Claude H. Everett, Jr. Endowed Chair in Education
Setting the Stage for the Day

Dear Conference Attendees,

Thank you for registering for the Technology in Elementary Education Conference. We have planned an exciting and engaging program for you that brings together a stellar group of educators and teacher-leaders in Texas, nationally and internationally to explore the multiple ways in which technology can be authentically integrated into elementary classroom instruction and learning.

Over the course of the day, we hope that you will be open to tapping into the collective wisdom of the presenters, and learn about best practices, new approaches and stellar resources—specifically framed with elementary educators in mind.

You will have the opportunity to explore a wide array of topics including using mobile devices and apps in the classroom, connecting students in global collaborative projects, robotics, using stellar online learning resources and using rich tools for assessment, communication and collaboration.

We hope that it will be a highly interactive day of sharing and discovery for you. To enhance your conference experience we encourage you to download and try the various session apps on your devices. Finally, we hope that you will be able to apply what you have learned immediately in your classrooms or in your future teaching.

Enjoy the conference!

Warm regards,

Drs. Trina Davis, Robin Rackley and Radhika Viruru
Conference Co-Chairs
## Conference Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 – 9:00 a.m.</td>
<td>Registration, Information Tables and Coffee</td>
<td>TLAC and TCEA</td>
<td>601</td>
</tr>
<tr>
<td>9:00 – 9:30 a.m.</td>
<td>Opening Remarks Setting the Stage</td>
<td>Conference Chairs, Dr. Lynn Burlbaw and Dean Palmer</td>
<td>601</td>
</tr>
<tr>
<td>9:30 – 10:25 a.m.</td>
<td><strong>Morning Keynote</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cooking Up a New Recipe for Learning</td>
<td>Lisa Johnson</td>
<td>601</td>
</tr>
<tr>
<td>10:30 – 11:25 a.m.</td>
<td><strong>Breakout Session 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>One iPad® Classroom</td>
<td>Lisa Johnson</td>
<td>501</td>
</tr>
<tr>
<td></td>
<td>Using Web 2.0® Tools to Connect Classrooms Globally</td>
<td>Mali Bickley</td>
<td>504</td>
</tr>
<tr>
<td></td>
<td>Make and Do for the Little iPad® Crew</td>
<td>Tracy Clark</td>
<td>510</td>
</tr>
<tr>
<td></td>
<td>Robotics for the Elementary Classroom</td>
<td>Peggy Reimers</td>
<td>401</td>
</tr>
<tr>
<td></td>
<td>Flipping Without Falling</td>
<td>Rhonda Blackburn</td>
<td>404</td>
</tr>
<tr>
<td></td>
<td>Engaging Students With QR Codes is Fun for Everyone</td>
<td>Joan Corder and Janet Gore</td>
<td>410</td>
</tr>
<tr>
<td>11:30 a.m. – 12:25 p.m.</td>
<td><strong>Lunch Keynote</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Learning With the World: Connecting Students in Global Collaborative Projects</td>
<td>Mali Bickley</td>
<td>601</td>
</tr>
<tr>
<td>Time</td>
<td>Session</td>
<td>Presenter</td>
<td>Room</td>
</tr>
<tr>
<td>------------------</td>
<td>----------------------------------------------</td>
<td>-----------------------------</td>
<td>------</td>
</tr>
<tr>
<td>12:30 – 1:25 p.m.</td>
<td><strong>Breakout Session 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Google® Apps in the Elementary Classroom</td>
<td>Jennifer Bergland</td>
<td>501</td>
</tr>
<tr>
<td></td>
<td>A Next Step in BYOD: Success 24/7</td>
<td>Greg McIntyre</td>
<td>504</td>
</tr>
<tr>
<td></td>
<td>Make and Do for the Little iPad® Crew</td>
<td>Tracy Clark</td>
<td>510</td>
</tr>
<tr>
<td></td>
<td>Technology as Your Backup Dancer</td>
<td>Kristy Reddick</td>
<td>401</td>
</tr>
<tr>
<td></td>
<td>Flipping Without Falling</td>
<td>Rhonda Blackburn</td>
<td>404</td>
</tr>
<tr>
<td></td>
<td>Augmented Reality (AR) – Better than Reality</td>
<td>Joan Corder and Janet Gore</td>
<td>410</td>
</tr>
<tr>
<td>1:30 – 2:25 p.m.</td>
<td><strong>Breakout Session 3</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>The Future Classroom: How Technology is</td>
<td>Jennifer Bergland</td>
<td>501</td>
</tr>
<tr>
<td></td>
<td>Transforming Education</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Using iPads® for Assessment and Feedback</td>
<td>Mali Bickley</td>
<td>504</td>
</tr>
<tr>
<td></td>
<td>A Next Step in BYOD: Success 24/7</td>
<td>Greg McIntyre</td>
<td>510</td>
</tr>
<tr>
<td></td>
<td>Doodle Buddy™: It’s All That!</td>
<td>Peggy Reimers</td>
<td>401</td>
</tr>
<tr>
<td></td>
<td>Technology as Your Backup Dancer</td>
<td>Kristy Reddick</td>
<td>404</td>
</tr>
<tr>
<td></td>
<td>Bring it On! BYOD/1:1 Activities that Work</td>
<td>Joan Corder and Janet Gore</td>
<td>410</td>
</tr>
<tr>
<td>2:30 – 3:00 p.m.</td>
<td>Closing Session, Wrap-Up and Coffee</td>
<td>Conference Chairs</td>
<td>601</td>
</tr>
<tr>
<td>3:00 – 3:30 p.m.</td>
<td>Information Tables and Coffee</td>
<td>TLAC and TCEA</td>
<td>601</td>
</tr>
</tbody>
</table>
Keynote
Sessions

Lisa Johnson

Lisa Johnson has 14 plus years of educational experience ranging from teaching high school English and middle school math to international curriculum development, creating and presenting workshops and running technology integration camps across the state. Currently, Ms. Johnson serves as an Educational Technologist for Eanes Independent School District, which proudly supports a one-to-one iPad® initiative from K–12. Additionally, she has been recognized and selected as an Apple® Distinguished Educator.

Cooking Up a new Recipe for Learning

How can we use modern technologies to impact student learning? Lisa Johnson reflects on the evolution of educational technology and serves up multiple integration examples showcasing the transformational power of technology and how it can be used to create and assess while building a culture of inquiry and collaboration. Pedagogy and perspective will definitely be front and center on the menu while we discuss cooking up a new recipe for learning. Get ready to whet your app-etite for iLearning®!

Mali Bickley

Mali Bickley has 32 years experience as a classroom teacher. Over the past 10 years, she has used Information and Communication Technology (ICT) and successfully integrated literacy and content area curriculum to have her students connect, communicate and collaborate with several classes from around the world. As a classroom teacher, Ms. Bickley is using Global Education Projects to integrate reading and writing strategies into meaningful projects that connect students globally. Ms. Bickley’s students have successfully collaborated with each other and students around the world to make a difference in the lives of others.

Learning With the World: Connecting Students in Global Collaborative Projects

Have you been thinking about involving students in a global project? During this session, we will explore a variety of global collaborative projects that connect students on opposite sides of the world. This session will demonstrate how technology makes it possible for students to truly “learn with the world”! Student work samples and classroom experiences will be shared to help demonstrate how global projects and learning activities make a difference in the lives of students and teachers around the world. It will become evident through the session that these tools are used to encourage collaborations worldwide, thereby showing that it is not about simply using the hardware, but using the heart to foster relationships.
Jennifer Bergland

After 32 years in public education, as both a teacher and administrator, Jennifer Bergland joined the Texas Computer Education Association (TCEA) staff in 2010 to lead the advocacy efforts of the association. This enables her to combine her passion of technology and education with her love for the political process. Ms. Bergland keeps grounded in the application of technology by helping to deliver professional development for TCEA. She has been a Google® Certified Trainer for three years. She loves working with teachers as they begin to envision how technology can help them transition their teaching from print to digital.

Google® Apps in the Elementary Classroom

Do you love using Google® Apps, but struggle for some real-life applications in your own classroom? Participants will leave with some new ideas for putting Google® to good use and aligning lessons to the Texas Essential Knowledge and Skills (TEKS).

The Future Classroom: How Technology is Transforming Education

Technology is indisputably a part of the modern classroom. This session will explore how future technology could change the classroom for new generations.

Mali Bickley

Mali Bickley has 32 years experience as a classroom teacher. Over the past 10 years, she has used Information and Communication Technology (ICT) and successfully integrated literacy and content area curriculum to have her students connect, communicate and collaborate with several classes from around the world. As a classroom teacher, Ms. Bickley is using Global Education Projects to integrate reading and writing strategies into meaningful projects that connect students globally. Ms. Bickley’s students have successfully collaborated with each other and students around the world to make a difference in the lives of others.

Using Web 2.0® Tools to Connect Classrooms Globally

During this session, participants will explore a variety of Web 2.0® Tools that can be integrated into any classroom program in a meaningful way (e.g., Edublogs®, Glogster®, VoiceThreads®, podcasting and web conferencing). Participants will be able to investigate how these engaging tools can be integrated into classroom practice while being embedded in collaborative projects. A short discussion about ethical and responsible use of Information and Communication Technologies (ICT) in the classroom and digital literacy will precede the exploration of using Web 2.0® Tools in a literacy with ICT presentation. This session will introduce participants to several projects that connect students and teachers around the world, including holiday card exchange, my hero, art miles, teddy bear exchange and deforestation.
Using iPads® for Assessment and Feedback

iPads® and other personal devices are being used more and more to support student learning and assessment. This session will focus on helping students become more actively involved in the assessment process by being able to focus on their descriptive feedback, make changes to their work based on their feedback and share their learning process through the use of digital portfolios. Discussions will address the use of digital portfolios created by students and made easily accessible to students through their personal devices. Not only should this bridge the home to school connection with students and parents by allowing students to share their assessment process in its entirety; it allows students to create a digital archive of their work.

Rhonda Blackburn

Dr. Rhonda Blackburn has been working in academia for the past 20 plus years as a teacher, administrator, trainer and consultant. Now she takes that experience to the corporate world at LoudCloud Systems and applies that knowledge to make her clients successful in their eLearning goals and initiatives. As the vice president and chief academic officer, she helps clients create competency based courses to allow students to track their learning and move through a curriculum at a pace that meets the students’ needs and learning experiences and enhances on-ground and online courses through the use of technology and learning outcomes assessment. Rhonda continues to teach at two different universities to feed her passion to work with students on their educational aspirations. She holds her doctorate in educational psychology from Texas A&M University.

Flipping Without Falling

Flipping the classroom is becoming increasingly popular among teachers, but what does this really mean? It is all about providing the right instruction at the right time to engage students, help them become lifelong learners and prepare them for the real world. This presentation will provide examples of how to redesign instruction to deliver this type of environment for students. During the presentation we will determine how technology can be leveraged to utilize this type of approach.

Tracy Clark

Tracy Clark is an architect of digital learning environments and initiatives, working directly with teachers and administrators around the world to help craft authentic learning opportunities for students of all ages. Ms. Clark is an Edupreneur, EdTech Evangelist and former bilingual teacher serving in Texas and Mexico.

Make and Do for the Little iPad® Crew

Children aren’t the only ones who learn through play! With iPads® in hand, we will delve into a small number of carefully curated apps and learn how to inspire a classroom of tiny humans through student creation. Teachers will see digital projects and center activities through the eyes of their students as they make and do on the iPad®.

Joan Gore and Janet Corder

Janet Corder and Joan Gore have worked in school districts with very different demographics, which enables them to relate to a wide variety of audiences. They have been selected as a “Best of the Best” at International Society for Technology in Education (ISTE) conferences for several years for their workshops. Traveling and presenting throughout the United States has broadened their viewpoint of the needs of educators. They will bring you the latest in technology to use in the classroom.
Engaging Students With Quick Response (QC) Codes is Fun for Everyone

Quick Response (QR) codes—they’re everywhere, but how can they be used in the classroom? Leave this session with lots of QR code activities for all subjects and grade levels.

Augmented Reality (AR)—Better than Reality

What is augmented reality? Movies have given us a sense of “alternative reality” (AR) for years. Augmented reality makes something come to life! It seems like magic. Come experience AR and learn how to extend your student’s learning.

Bring it On! BYOD/1:1 Activities that Work

Your school has adopted a BYOD or 1:1 Program, so what meaningful activities can students engage in? Participate in hands-on, engaging activities that can be modified for multiple subjects and grade levels using most any device that can access the Internet. Preferred device for attendees to bring: iPad®, laptop or smartphone.

Lisa Johnson

Lisa Johnson has 14 plus years of educational experience ranging from teaching high school English and middle school math to international curriculum development, creating and presenting workshops and running technology integration camps across the state. Currently, Ms. Johnson serves as an Educational Technologist for Eanes Independent School District, which proudly supports a one-to-one iPad® initiative from K–12. Additionally, she has been recognized and selected as an Apple® Distinguished Educator.

One iPad® Classroom

This fast-paced session focuses on how elementary teachers can use a single iPad® creatively and productively in multiple settings such as whole group, pass around, small groups and stations. A plethora of apps (both consumptive and product-based), app-tivities, blogs and resources will be showcased across the curriculum. While the intent is to support teachers with a single iPad® and highlight ways to boost student engagement, learning and productivity, the suggestions and apps shared would be useful to teachers with multiple iPads® as well.

Fostering the Three F’s of Formative (Frequent, Fruitful and Functional) Assessment

How did I ever know what my students were thinking before these fundamental digital delights? This session will showcase three or four tools that can be accessed on any mobile device to provide instant, formative and fascinating details about your student's current understanding. Please bring a mobile device. We will fire up our session with infuse learning and Nearpod™ and flash out new features in Google® forms and Kahoot™. This session is meant to forge ahead through these tools and whet your appetite for integrating formative assessment in your classroom in the upcoming year.

Greg McIntyre

After graduating from Texas A&M University in 1985, Greg McIntyre began his career in public education as a certified mathematics and psychology teacher. Over the past 29 years, he has worked at the elementary, middle and high school levels in a variety of roles. Mr. McIntyre has served as the Deputy Superintendent for Curriculum and Instruction in College Station Independent School District (ISD) for the last eight years.
A Next Step in BYOD: Success 24/7

Research cited in the book *Brain Rules* shows that we have the potential of remembering 10 percent of what we hear after 72 hours, and that’s only the potential. Now suppose your child asks you for help on DNA replication. It’s nine at night and the homework is due in the morning. What do you remember about DNA replication from your high school days . . . or college days? Chances are . . . not much.

Now imagine the same DNA replication scenario, but having access to videos of teacher lessons (to pause, rewind and re-watch), teacher notes, examples with the answers, alternate videos on the same topic and other websites. Via a smartphone or computer, our access to relevant, on-demand material in a world that’s connected 24/7 has become the norm in many parts of our society; why not in your biology class? Being able to provide ‘just in time’ learning for students is critical; College Station ISD’s Success 24/7 fills this need.

**Kristy Reddick**

Kristie Reddick is the former Digital Media Coordinator for the Department of Teaching, Learning and Culture and Creative Director of The Bug Chicks, a company that teaches about insects using various media platforms.

**Technology as Your Backup Dancer**

When technology is everywhere it can be very distracting. Teachers face the problem of grasping for their student’s focus in a classroom full of things that move, make noise and flash. Learn how to make the tech and media in your classroom support you while still maintaining the role of guide and teacher. Learn how to use visuals and media effectively to support your teaching, and not let it over power you.

**Peggy Reimers**

Peggy Reimers is Director of Professional Development for Texas Computer Education Association (TCEA). Her specialties include robotics, iPads®, Web 2.0® resources and management of over 600 sessions at the annual Texas Computer Education Association (TCEA) Convention. Her 24 years of teaching experience at the elementary level and her commitment to integrating technology in the classroom make her an invaluable resource for TCEA and educators across Texas.

**Robotics for the Elementary Classroom**

One the great things about the third generation of the Lego® MINDSTORMS® is the ability to make your robot “do things” without a computer. The new EV3 brick allows for on-brick programming. This session will have eight EV3 bricks and give educators a chance to explore programming and building. Participants will be able to get a sample of what robotics is all about and learn about the Texas Computer Education Association robotic competitions. *Session limited to 24 participants.*

**Doodle Buddy™: It’s All That!**

With one million apps in the app store, you really only need one: Doodle Buddy™! Math, English language arts and science activities will be shared using this versatile app.