UAMS Teaching with Technology Symposium
Engaging Our Students: Technology & Active Learning

Thursday

8:00 - 9:00 AM **BREAKFAST**	**Poster and Vendor Opportunity**		
9:00 - 9:15 AM	**Welcome and Opening Remarks, Provost Stephanie Gardner, Dave Wessinger**		
9:15 - 10:30 AM	***New Models for Supporting Students in A Rapidly Changing Higher Education Environment,*** **Michael Moore, University of Arkansas System, Vice President for Academic Affairs, and eVersity, Chief Academic and Operating Officer**		
10:30 - 11:00 AM	**Poster and Vendor Opportunity**		
	Theory Track	Distance Track	Ed Tech Track
11-00 - 11:45 AM *Session 1*	*Standardization Through Augmented Reality* Joel Goodin	*Drop Thought: An Online Classroom Technology to Get Live Course Feedback* Amar Kaneker	Conferencing Options/Panel Discussion
11:45 AM-1:00 PM **LUNCH**	***Teaching Bigger, Better, and Faster with Social Media*** **Jerad Gardner, UAMS College of Medicine, Department of Pathology**		
1:00 - 1:45 PM *Session 2*	*Using Telemedicine in Schools to Enhance Student Wellness* Alan Faulkner and Tina Pilgreen	*The Technological Footprint of Your Target Audience: Technology Assessment* Anita Walden	**Lightning Sessions** Boyle: *GoAnimate;* Clements: *Preview of Positive Communication;* Windsor: *Predatory Publishing*
2:00 - 2:30 PM	Poster and Vendor Opportunity		
2:30 - 3:15 PM *Session 3*	*Transform Your Communication through Positive Communication* Sarah Clement & Christy Oberste	*Engaging Affective Strategies to Support Effective eLearning* Karina Clemmons	**Lightning Sessions** Mathews/Kinsler: *Preview of Librarians & Health Informatics;* Pyle: *Word: Time Saving Tricks;* Teigen: *Skype & Education*
3:30 - 4:15 PM *Session 4*	*Engaging Students to Improve Performance of Non-Math Majors in Math Intensive Courses* Kerrie Taber	*Quality Matters Certified Hybrid Public Health Course: Best Practice Implementation* Amar Kanekar	*Librarians Gamification of Student Learning Assessment in an Online Graduate Level Health Informatics Course* Zeb Mathews & Stephanie Kinsler
4:15 - 4:30 PM	**Thursday Wrap-Up, Door Prizes, Instructions for Friday**		
4:30 - 5:45 PM	**Reception with Food & Posters, Vendor Opportunity, Pooja Agarwal**		

Friday

7:30 - 8:30 AM	**BREAKFAST**			
8:00 AM Session 5A				
8:30 AM **Session 5B**	*Exploration of an Integrated Active Learning Strategy to Balance Student Workload in a Mixed Level Research Methods Course* , Stanley Ellis _AND_ *Microsoft Word: Time Saving Tricks,* Jayne Pyle [8:30-9:15]	*Augmented Reality in Education* Nadja Vawryk Button [8:00-9:20]	*Enhancing Collaborative Learning Communities (CLC'Ss) using Wikis* Kelly Betts [8:00-9:20]	
9:30 AM **Session 6A**	*Accessibility to the Web* Todd McKee & Brent Passmore [9:30-10:15]	*Hacking the Classroom: An Introduction to Arduino* Dennis Pevey [9:30-10:15]	*Utilizing Video Recording for Proficiency Testing and Self-Assessment in a Respiratory Care Clinical Skills Laboratory Setting* Tammy Robertson, Teresa Gramlich & Tonya Cook [9:30-11:30]	
10:30 AM **Session 6B**	*Equity of Access:* *It's More than a Concept* Elizabeth Means & Karen Russ [10:30-11:15]	*Hacking the Classroom 2.0: Strategies for Engaging the Community in Citizen Science* Dennis Pevey [10:30-11:15]		
11:30 AM **LUNCH** **12:00 PM** **PRESENTATION**	**Featured Speaker:** ***Make It Stick: Harness the Science of Learning & Transform Teaching*** **Pooja Agarwal**			
1:00 PM **Session 7**	*Challenges of Academic Dishonesty in the 21st Century: Is Technology Friend or Foe?* Jasna Vuk, Martha Carle, and Florentina C. Gamalie [1:00-2:20]	*Copyright, Fair Use, and Intellectual Property* Matthew Windsor, Harold Evans & Joe Underwood [1:00-2:20]	*Using Adaptive Learning to Increase Student Success* Nicki Bray [1:00-2:20]	Pooja Agarwal Q&A Session [1:00-2:20]
2:30 PM **Session 8**	*A-State Digital Press: Featured Publications for 2017* Gina Houge & Jill Simons [2:30-3:15]	*Using SharePoint for Document Collaboration* Susan Cooper [2:30-3:15]	*Using Knowledge Surveys as Roadmaps to Promote and Assess Student Learning* Rebecca Martindale Leighton [2:30-3:15]	

8:00am - 9:00am Breakfast (Poster and Networking Opportunity)		
9:00am - 9:15am Welcome and Opening Remarks by Stephanie Gardner and Dave Wessinger		
9:15am - 10:15am Featured Speaker Michael Moore "New Models for Supporting Students in A Rapidly Changing Higher Education Environment "		
10:15am - 11:00am Break (Poster and Networking Opportunity)		
11:00am - 11:45 Session 1		
Amar Kanekar	Drop Thought: An Online Classroom Technology to get Live Course Feedback	"Drop Thought" involved an online course embedded platform for collecting anonymous and live student feedback during a distance learning course. It involved a semantic analyses of student feedback aligning with the Quality Matters General Standards. Implementation of this study in two seperate online health education courses along with quantitative and qualitative results via student feedback will be shared in this presentation
Joel Goodin	Standardization Through Augmented Reality	While on-campus learning for allied health students may be standardized through simulation centers, space is limited and costs are continuous. With an investment in an augmented reality experience, many types of educational / clinical interactions can be created and used indefinitely with modification possible for alternative goals or updated goals. Furthermore, through gamification, elements of self-regulation and adventure may be emphasized by creative components and "side missions." There is also opportunity for on-campus use and flipped classroom facilitation.
panel	Conferencing options Panel Discussion: little to big	Discussion of different web conferencing tools including Skype, FaceTime, and Google Hangouts

11:45am Lunch and Featured Speaker Jerad Gardner "Teaching Bigger, Better, and Faster with Social Media"   Facebook, Twitter, Instagram, Snapchat and YouTube are more than just a trend...social media is permanently interwoven into the fabric of modern society. We can use these tools as powerful adjuncts to our traditional educational modalities, delivering knowledge and building rapport with learners in the spaces where they already spend much of their time. I will show you how I maximize my efficiency and impact as an educator by utilizing my existing traditional educational content and delivering it to a global audience via my social media channels. I will also demonstrate how I obtained quantifiable and narrative feedback about my social media activities and how I successfully leveraged these data when applying for academic promotion & tenure.
1:00pm - 1:45pm Session 2

Lightning Round #1
         * Nadja Button - *Lynda.com* - Lynda.com is now available via CALS.
         * Sarah Clements and Christy Oberste - *Preview of Transform Your Communication through Positive Communication* - According to Shine.com,Positive communication is the ability to convey messages, even negative ones, in a positive manner. Positive communication is an important part of your communication skills and has a great impact on your career. In this session, we will discuss the impact and benefits of using positive communication in your syllabus, assignments, and conversations. Come listen and learn how you can enhance your interaction with students by using positive communication.
         * Matthew Windsor - *Predatory Publishing* - Common issues surrounding predatory publishing

Alan Faulkner and Tina Pilgreen	Using Telemedicine in Schools to Enhance Student Wellness	Presentation about the STAR (School Telemedicine in Arkansas) grant which is a first ever effort to bring telemedicine care to Arkansas' rural school based health centers by providing real-time, on-the-spot care in the areas of behavioral health, obesity reduction/prevention and dental health.
Anita Walden	The Technology Footprint of Your Target Audience- Technology Assessment of a Specific Population's Access, Acceptance and Ability	PEW survey indicates that 78% of individuals in rural areas have access to the internet but this number varies across populations and communities. Some communities or specific populations of users may have specific technology barriers due to access, acceptance or ability. We need to understand what technology is available, used or preferred by the communities and the role of technology literacy. This presentation will discuss methods to evaluate the technology characteristics of a community, to improve electronic training design and delivery to reach a broader population base.

2:00pm - 2:30pm Break (Poster and Networking Opportunity)

2:30pm - 3:15pm Session 3

Lightning Round #2

*Zeb Matthews and Stephanie Kinsler - *Preview of Librarians Gamification of Student Learning Assessment in an Online Graduate Level Health Informatics Course* - Two librarians collaborated with an informatics professor to create a lesson for graduate level health informatics students enrolled in an online Concepts of Research Methodology course. The research team focused on a single, course learning objective: identifying primary and secondary sources. The first librarian created a pre-test designed to establish a baseline score. She then created a video lecture and weekly discussion board exercises to teach the lesson content. The second librarian utilized his knowledge of computer programming (C#), art asset creation (Photoshop), and software development (Unity) to design a video game that would serve as an assessment of students™ learning after the primary/secondary lesson. A post-test was administered to compare to the pre-test

*Jayne Pyle - Microsoft Word: Time Saving Tricks - The average person will use only a small portion of the many tools and features packed into Microsoft Word. Most of us do no more than create simple documents, possibly with formatted text and simple images. This session will cover a few tools to increase your productivity and help your documents look more professional and polished. The tips are applicable to those who create simple, one-page documents to those who write books or develop a variety of documents.

*Amber Teigen - *Skype: Thinking "Inside" the Box* - This presentation will cover the topic of utilizing Skype for various educational activities. Discussion points will include the types of educational activities in which Skype was utilized, the advantages of Skype as an educational tool, and the disadvantages, as well.

Sarah Clements andChristy Oberste	Transform Your Communication through Positive Communication	According to Shine.com, Positive communication is the ability to convey messages, even negative ones, in a positive manner. Positive communication is an important part of your communication skills and has a great impact on your career. In this session, we will discuss the impact and benefits of using positive communication in your syllabus, assignments, and conversations. Come listen and learn how you can enhance your interaction with students by using positive communication.
Karina Clemmons	Engaging Affective Strategies to Support Effective eLearning	Many learners are attracted to the flexible hours and location of eLearning, but may also perceive a lack of personal connection in an online class and feel disconnected and isolated, which reduces learner engagement (1, 2). Bloom's Taxonomy of Learning is divided into three equally valued domains: cognitive, psychomotor, and affective; the affective domain recognizes that learners' emotions and attitudes impact learning (3). This presentation will offer participants a chance to explore many strategies to seamlessly address the affective domain to support effective e-Learning.

3:30pm - 4:15pm Session 4

Zeb Mathews, Stephanie Kinsler	Librarians Gamification of Student Learning Assessment in an Online Graduate Level Health Informatics Course	Two librarians collaborated with an informatics professor to create a lesson for graduate level health informatics students enrolled in an online Concepts of Research Methodology course. The research team focused on a single, course learning objective: identifying primary and secondary sources. The first librarian created a pre-test designed to establish a baseline score. She then created a video lecture and weekly discussion board exercises to teach the lesson content. The second librarian utilized his knowledge of computer programming (C#), art asset creation (Photoshop), and software development (Unity) to design a video game that would serve as an assessment of students™ learning after the primary/secondary lesson. A post-test was administered to compare to the pre-test and game results. A qualitative survey of the students™ experiences with the game and an authentic final assessment can also be discussed.
Kerrie Taber	Engaging Students to Improve Performance of Non-Math Majors in Math Intensive Courses	Many non-math major students have anxieties about taking math based courses. The performance of non-math majors in math intensive courses can be improved through the encouragement of certain behaviors. Through the collection of data over two semesters, the behaviors of these successful students were identified.
Amar Kanekar	Quality Matters Certified Hybrid Public Health Course: Best Practice Implementation	The purpose of this presentation is to share best practices and lessons learned from developing a ' Hybrid' graduate level public health course which has attained Quality Matters Certification- a national benchmark in evidence-based distance learning. Additional features include use of videos as a ' flipped learning' model in this course.

4:15pm Thursday Wrap-up, Door Prizes, and Instructions for Friday
4:30pm Reception (Networking and Poster Opportunity)

Friday, July 21, 2017

8:00am Session 5A		
Kelly Betts	Enhancing Collaborative Learning Communities (CLCs) using Wikis	Learners will learn the application of using Collaborative Learning Communities in an course and how to incorporate Wikis into course projects. **(1.5 hour workshop, 8:00am - 9:20am)**
Nadja Vawryk Button	Augmented Reality In Education	Compare and contrast virtual reality and augmented reality. Demonstrate augmented reality in education; how it can be used to engage the learner in a more active learning experience, and for marketing and recruitment purposes. Describe some of the available programs used to create augmented reality including their cost, financially and in time. To enhance their experience, the attendee is encouraged to bring their smartphone or tablet and pre-download appropriate apps. **(1.5 minute presentation, 8:00am-9:20 am)**
8:30am Session 5B		
Stanley K. Ellis and Taren M. Swindle	Exploration of an Integrated Active Learning Strategy to Balance Student Workload in a Mixed Level Research Methods Course	Initial course evaluations indicated a perceived imbalance in student workload across masters and doctoral level students in a Research Methods course. In a subsequent course offering, teams were established based on an integration of components from Team Based Learning and Process Oriented Guided Inquiry Learning pedagogies. In a mixed-methods approach, this presentation will compare data from student responses in the initial and modified course offerings. **(20 minute presentation combined, with Microsoft Word presentation, 8:30am-9:15am)**
Jayne Pyle	Microsoft Word: Time Saving Tricks	The average person will use only a small portion of the many tools and features packed into Microsoft Word. Most of us do no more than create simple documents, possibly with formatted text and simple images. This session will cover a few tools to increase your productivity and help your documents look more professional and polished. The tips are applicable to those who create simple, one-page documents to those who write books or develop a variety of documents. **(20 minute presenation, combined with Exploration of an Integrated Active Learning Strategy…, 8:30am-9:15am)**
Nadja Vawryk Button	Augmented Reality In Education	Compare and contrast virtual reality and augmented reality. Demonstrate augmented reality in education; how it can be used to engage the learner in a more active learning experience, and for marketing and recruitment purposes. Describe some of the available programs used to create augmented reality including their cost, financially and in time. To enhance their experience, the attendee is encouraged to bring their smartphone or tablet and pre-download appropriate apps. **(45 minute presentation, 8:30am-9:15am)**
9:30am Session 6A		
Theresa Gramlich, Tonya Cook, Tammy Robertson	Utilizing Video-Recording for Proficiency Testing and Self-Assessment in a Respiratory Care Clinical Skills Laboratory Setting	Projected topics include discussion and/or demonstration of video-recording for purposes of proficiency demonstration and self-assessment reflection of a clinical skill. Information about the process and lessons learned regarding the transition of a pilot session into an implementation phase will be disseminated. This can occur via any of the options checked below. **(2 hour workshop, 9:30am - 11:30am)**

Dennis Pevey	Hacking the Classroom: an Introduction to Arduino	In this hands-on session, participants will learn the basics of programming microcontrollers (such as arduino) and engage in activities to demonstrate their varied uses in the classroom. No prior coding experience is required! **(45 minute presentation, 9:30am - 10:15am)**
Todd McKee and Brent Passmore	Accessibility to the Web	Web accessibility refers to the inclusive practice of removing barriers that prevent interaction with, or access to, websites by people with disabilities. (UAMS will be modifying webpages to comply with accessibility.) During this session, we will discuss: *How to define and understand common accessibility issues *What legal requirements your website might need to meet *Steps you can take to make your website more usable *How creating an accessible site makes your site more inviting, and can lead to more visitors and customers When your website is accessible, all visitors can engage your content and use your site's functionality no matter their abilities. Visually-impaired users can visit your website using a screen reader. Those who can't use a mouse can navigate your site using a keyboard or other input device. Most accessibility features will also improve your SEO. When your site is inaccessible, research shows you could be excluding up to 20 percent of your audience. **(45 minute presentation, 9:30am - 10:15am)**

10:30am Session 6B

Dennis Pevey	Hacking the Classroom 2.0: Strategies for Engaging the Community in Citizen Science	In this follow up session to "Hacking the Classroom: An introduction to Arduino", participants will learn how to integrate sensor technology and data logging into some easy arduino projects. These projects are aimed at taking STEM instruction outside the classroom and involve the community in citizen science! No coding experience neccessary! **(45 minute presentation, 10:30am-11:15am)**
Elizabeth Means and Karen Russ	Equity of Access: It's More Than a Concept	Ms. Karen Russ, Research and Community Engagement Librarian, Associate Professor UALR, and Ms. Liz Means, Title IX/ADA Coordinator, UAMS will discuss the realities of making the library a truly welcoming space for people with disabilities. **(45 minute presentation, 10:30am-11:15am)**

11:30 Lunch, 12:00pm Featured Speaker Pooja Agarwal "Make it Stick: Harness the Science of Learning & Transform Teaching"

There is a lot to learn in the world. Students can't learn everything, and educators can't teach everything. Especially not over, and over, and over again each time students forget. What can we do to improve learning and reduce forgetting? How can we use our limited amount of classroom time and make learning stick?
Based on more than 100 years of investigation, cognitive scientists have established powerful strategies that substantially improve learning for diverse age groups, subject areas, and education rigor. In this keynote, cognitive scientist Pooja K. Agarwal, Ph.D., goes behind the scenes and illuminates key discoveries from the science of learning. Armed with evidence-based strategies, it's time to challenge our perceptions of learning, transform teaching, and advance learning in our classrooms.

1:00pm Session 7

Niki Bray	Using Adaptive Learning to Increase Student Success	Come learn how adaptive learning is being used at the University of Memphis to increase student success. Take a behind-the-scenes look at an adaptive learning platform and how to get started working with faculty, your leadership, and your adaptive learning platform partner. **(1.5 hour workshop, 1:00pm - 2:20pm)**

Matthew Windsor, Joe Underwood and Harold Evans	Copyright, Fair Use, and Intellectual Property	**(1.5 hour workshop, 1:00pm - 2:20pm)**
Jasna Vuk, Martha M. Carle, Florentina, C. Gamalie	Challenges of academic dishonesty in the 21st century: Is technology friend or foe?	The presentation will include an overview of the prevalence of academic dishonesty among students in health professions and possible effects of academic dishonesty on students™ learning. Examples of cheating using technology and practical examples of preventative measures using Blackboard for online teaching will be demonstrated. Are we doing enough to prevent academic dishonesty? Are we sending the right message to students after dishonesty happened? Presentation open to discussions. **(45 minute presentation, <u>1:30pm-2:15pm</u>)**

2:30pm Session 8

Gina Hogue and Jill Simons	A-State Digital Press: Featured Publications for 2017	This presentation will showcase a few of the most interactive and engaging digital materials published by A-State faculty through the Digital Press. Highlights include interactive widgets and unique digital displays of information in multi-touch books. **(45 minute presentation, 2:30-3:15)**
Susan Cooper	Using SharePoint for Document Collaboration	Assigning group or team projects can sometimes create logistics and versioning issues for our students. SharePoint offers teams the ability to share and edit documents, pictures, calendar items, and tasks while also recording changes and keeping previous versions of the document. Today, many businesses and government entities utilize SharePoint for this purpose. I propose to present a one-hour lecture describing how SharePoint can be used in the education realm for document collaboration. **(45 minute presentation, 2:30-3:15)**
Rebecca Martindale Leighton	Using Knowledge Surveys as Roadmaps to Promote and Assess Student Learning	This presentation introduces how Nuhfer & Knipp's (2003) The Knowledge Survey: A Tool for All Reasons (http://pachyderm.cdl.edu/elixr-stories/resource-documents/knowledge-survey/KS_a_too_for_all_reasons.pdf) was implemented in an online course as a way to assess perceived changes in student learning of course content. The knowledge survey tool can be used as a roadmap to guide student learning as well as providing information on summative assessments of learning. An introduction to the tool, an overview of the implementation and data collected are provided. **(45 minute presentation, 2:30-3:15)**

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Posters

Author's Name(s)	Poster Title	Description
Theresa Gramlich, Tonya Cook, Tammy Robertson	Utilizing Video-Recording for Proficiency Testing and Self-Assessment in a Respiratory Care Clinical Skills Laboratory Setting	Projected topics include discussion and/or demonstration of video-recording for purposes of proficiency demonstration and self-assessment reflection of a clinical skill. Information about the process and lessons learned regarding the transition of a pilot session into an implementation phase will be disseminated. This can occur via any of the options checked below.
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Stanley K. Ellis and Taren M. Swindle	Exploration of an Integrated Active Learning Strategy to Balance Student Workload in a Mixed Level Research Methods Course	Initial course evaluations indicated a perceived imbalance in student workload across masters and doctoral level students in a Research Methods course. In a subsequent course offering, teams were established based on an integration of components from Team Based Learning and Process Oriented Guided Inquiry Learning pedagogies. In a mixed-methods approach, this presentation will compare data from student responses in the initial and modified course offerings.
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Martha H Carle; Cristina Gamalie; Jasna Vuk	Tips for Academic Honesty in Online Assessment	Evidence based tips for preventing cheating in online testing include the use of authentic questions; electronic tool options; and engaging the students. Specific techniques will be illustrated that are applicable in Blackboard and most learning management systems.
Martha Carle, Jake Martar, and Mhoob Vang	eLearning Analytics: UAMS Blackboard Data Visualization	A poster that details the utilization of UAMS' Blackboard environment. Audience will learn about browser, operating system, and mobile device usage statistics. They will also learn about other statistics such as traffic and global/regional statistics.
Mary Ellen Nevins, Lisa Ferris, and Bonnie Kenney	Instructional Designers and Faculty: Moving from a Support to Partnership Model	What does it take to move a traditional face-to-face course to a completely online format? This poster describes the systematic development of a hybrid course as an intermediary step in accomplishing that transfer. Open communication, shared responsibility and mutual respect set the stage for a collaboration between instructional designers and content faculty that supported a successful spring offering.