ALABAMA
Technology in Motion

2019 Summer UA/UWA Technology in Motion Programs

All Sessions Presented by
Dr. Robert E. Mayben
UA Technology in Motion Specialist

Registration via Chalkable/STIPD
http://pdweb.alsde.edu

Date	Time	Topic	Location
6/3/19	9 AM – 3 PM	**Invention Literacy with Makey Makey**	UARIC 1040
6/4/19	9 AM - 3 PM	**Fly Drones into Your Curriculum**	UARIC 1040
6/5/19	9 AM - 3 PM	**Innovative Design with LEGOs**	UARIC 1040
6/7/19	8 AM - 3 PM	**Tech Meet Tuscaloosa**	UARIC 1040
6/18/19	9 AM – 3 PM	**Invention Literacy with Makey Makey**	DMS Lab 212
6/19/19	9 AM - 12 PM	**Introduction to 3D Printing**	DMS Lab 212
6/19/19	1 PM - 4 PM	**Virtual Field Trips with Google Expeditions**	DMS Lab 212
6/20/19	9 AM - 3 PM	**Using Video to Enhance Student Engagement**	DMS Lab 212
6/24/19	9 AM - 3 PM	**A Day of Code**	UARIC 1040
6/27/19	9 AM - 3 PM	**Coding with Robots**	UARIC 1040
7/9/19	9 AM - 12 PM	**Formative Assessment Made Fun**	UARIC 1040
7/9/19	1:30 PM - 4:30 PM	**Engage Your Students with a Wild Goose Chase**	UARIC 1040
7/10/19	9 AM - 3 PM	**Using Video to Enhance Student Engagement**	UARIC 1040

Pre-Tech Meet Tuscaloosa Conference Sessions

You must sign up for these sessions separately from TMT.
You do not have to register for and/or attend TMT to register for and attend these sessions. However, extra tickets for door prizes at TMT may be earned by attending one or more of these sessions.

Topic:	**Invention Literacy with Makey Makey (K-12)**
STI-PD Title #:	UATiMMAKEY
Date/Time:	June 3; 9:00 am – 3:00 pm (5 Hours)
Consultant:	Dr. Robert Mayben
Location:	UA In-Service Education Center, Tuscaloosa
Focus:	The Makey Makey is an electronic invention kit for all ages! In this fun, hands-on learning session, participants will explore the world of Makey Makey. Participants will be using Makey Makey kits and everyday objects to learn how to teach Invention Literacy, Making, and Design Thinking. This session will also provide resources for encouraging higher-order and critical thinking skills along with the digital literacy skills of computational thinking and innovative design. ***Participants are encouraged to bring a laptop or Chromebook to this session.***

Topic:	**Fly Drones into Your Curriculum (K-12)**
STI-PD Title #:	UATIMFLY
Date/Time:	June 4; 9:00 am – 3:00 pm (5 Hours)
Consultant:	Dr. Robert Mayben
Location:	UA In-Service Education Center, Tuscaloosa
Focus:	Drones are everywhere, and in this session, we will explore how drones can be used in the classroom. Participants will be joining others in hands-on activities as they explore lessons designed to integrate the new Alabama COS for digital literacy and computer science. We will be flying and coding drones and discussing what you need to get off the ground with drones in your classroom and how drones are relevant to so many content area standards. We will take a look at several different types of drones and explore the best drone fit for your classroom. This session is designed for beginners and drone experts, and if you have a programmable drone, feel free to bring it. There will be drones to use in the session. **It is recommended that you bring a laptop/Chromebook or a tablet to use in the session.**

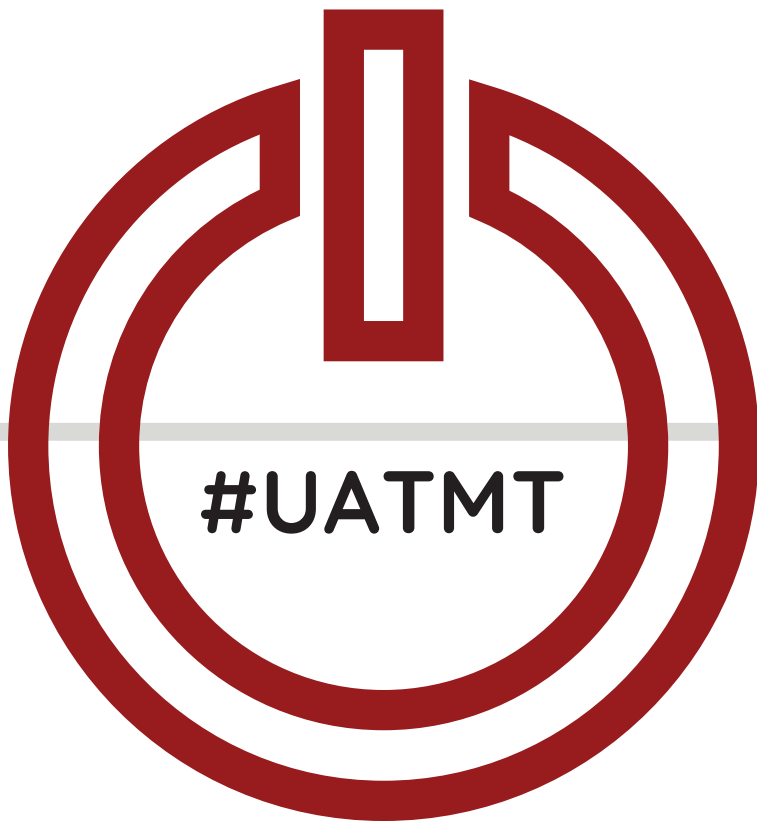|	
Topic:	**Innovative Design with LEGOs (K-12)**
STI-PD Title #:	UATIMIDLEGO
Date/Time:	June 5; 9:00 am – 3:00 pm (5 Hours)
Consultant:	Dr. Robert Mayben
Location:	UA In-Service Education Center, Tuscaloosa
Focus:	LEGOs are part of most of our students' lives, but few have considered how effective LEGOs can be when integrated into classroom instruction. In this session, participants will learn how to use LEGOs and LEGO Education kits to develop an understanding of how to incorporate computational thinking and innovative design into lessons that enhance literacy skills and spark STEAM interest! ***Participants are encouraged to bring their own device to this session***.

ALABAMA TECHNOLOGY IN MOTION PRESENTS

TECH MEET TUSCALOOSA

9TH ANNUAL

#UATMT

JUNE 7 2019

UATMT IS ALIVE WITH ALL NEW DLCS SESSIONS!

REGISTRATION VIA CHALKABLE PD

PD TITLE # UATIMTMT2019

BRING YOUR OWN DEVICE

NO COST TO ATTEND

WIN DOOR PRIZES

8:30 AM TO 3:00 PM
UA IN-SERVICE CENTER
- CONFERENCE WEBSITE-
UATMT.WEEBLY.COM

Topic: **Tech Meet Tuscaloosa 2019 (K-12)**
STI-PD Title #: UATiMTMT2019
Date/Time: June 7; 8:30 am – 3:30 pm   (6 Hours)
Consultant: Dr. Robert Mayben, Dr. Lisa Matherson, Dr. Vivian Wright & Master Technology Teachers PLG
Location: UA In-Service Education Center; Tuscaloosa
Focus: Tech Meet Tuscaloosa (TMT) is a technology conference for educators interested in learning about classroom uses of web tools and emerging instructional technologies and strategies. Throughout the day, participants will learn about emerging technology integration tools and strategies, discover how the technologies can be integrated within various content areas, participate in discussions about best practices with technology, and connect with other participants to share resources for learning more about classroom integration strategies. Conference program and more information: http://uatmt.weebly.com. All new topics will be presented this year. Participants are encouraged to bring their own tablet, laptop, or Chromebook.

Topic: **Invention Literacy with Makey Makey (K-12)**
STI-PD Title #: UATiMMAKEY
Date/Time: June 18; 9:00 am – 3:00 pm (5 Hours)
Consultant: Dr. Robert Mayben
Location: Demopolis Middle School Lab 212
Focus: Experience Invention Literacy in the DMS Lab 212 STEAM Center! The Makey Makey is an electronic invention kit for all ages! In this fun, hands-on learning session, participants will explore the world of Makey Makey. Participants will be using Makey Makey kits and everyday objects to learn how to teach Invention Literacy, Making, and Design Thinking. This session will also provide resources for encouraging higher-order and critical thinking skills along with the digital literacy skills of computational thinking and innovative design. *Participants are encouraged to bring a laptop or Chromebook to this session.*

Topic: **Introduction to 3D Printing (K-12)**
STI-PD Title #: UATiM3DP
Date/Time: June 19; 9:00 am – 12:00 pm (3 Hours)
Consultant: Dr. Robert Mayben
Location: Demopolis Middle School Lab 212
Focus: Experience 3D Printing in the DMS Lab 212 STEAM Center! 3D Printing is not just for the nerdy teacher down the hall anymore. In this session, participants will learn the basics of how to get started with 3D printing, how 3D printers work, and how to design basic models. Participants will be able to identify ways to design, create, and print objects using various web-based and software tools. Participants will also be able to identify strategies, research, and reasons supporting 3D printing in multiple content areas. *Participants are encouraged to bring a laptop or Chromebook to this session.*

STEAM

SCIENCE · TECH · ENGINEERING · ART · MATH

SUMMER SESSIONS

PRESENTED BY

ALABAMA TECHNOLOGY IN MOTION

@ LAB 212 DEMOPOLIS MIDDLE SCHOOL

Invention Literacy with Makey Makey - June 18

Introduction to 3D Printing - June 19 AM

Virtual Field Trips w/Google Expeditions - June 19 PM

Using Video to Enhance Student Engagement - June 20

Topic:	**Virtual Field Trips with Google Expeditions (K-12)**
STI-PD Title #:	UATIMGEX
Date/Time:	June 19; 1:00 pm – 4:00 pm (3 Hours)
Consultant:	Dr. Robert Mayben
Location:	Demopolis Middle School Lab 212
Focus:	Experience a Virtual Reality Field Trip from the DMS Lab 212 STEAM Center! In this session, participants will learn how to magically transport students anywhere on earth and beyond by implementing virtual reality in the classroom with Google Expeditions. Participants will also explore how VR can be integrated into lessons and discover examples of useful expeditions and sample lesson plans. ***Participants are encouraged to bring their own device to this session***.

Topic:	**Using Video to Enhance Student Engagement (K-12)**
STI-PD Title #:	UATiMUV2
Date/Time:	June 20; 9:00 am – 3:00 pm (5 Hours)
Consultant:	Dr. Robert Mayben
Location:	Demopolis Middle School Lab 212
Focus:	Experience Video Creation in the DMS Lab 212 STEAM Center! Video is one of most engaging tools for students of today. From YouTube to Netflix, today's students have grown up in a world where video is available instantly and on any device. In this session, participants will learn innovative methods and easy to use tools to incorporate video into teaching and learning strategies in the classroom. The focus will be on innovative design of hand-on, student-centered video activities using Green Screen, Stop-Motion Animation, Screencasting, and more! ***Participants are encouraged to bring a laptop or Chromebook and either a smartphone or tablet to this session. A G-Mail or Google Account is also necessary.***

Topic:	**A Day of Code (K-6)**
STI-PD Title #:	UATIMCODE
Date/Time:	June 24; 9:00 am – 3:00 pm (5 Hours)
Consultant:	Dr. Robert Mayben
Location:	UA In-Service Education Center, Tuscaloosa
Focus:	Have you thought about teaching coding to elementary age students and don't know where to start? This session will help you begin by providing a hands-on experience with coding as well as an exploration of resources and activities for teaching coding and beginning computer science concepts in both plugged in and unplugged classrooms. ***Participants are encouraged to bring their own device to this session.***

Topic:	**Coding with Robots (K-12)**
STI-PD Title #:	UATIMROBOTS
Date/Time:	June 27; 9:00 am – 3:00 pm (5 Hours)
Consultant:	Dr. Robert Mayben
Location:	UA In-Service Education Center, Tuscaloosa
Focus:	With the new emphasis on computer science in Alabama Education, robots have become an innovative way to bring authentic uses of computational thinking to the classroom. In this station-based session, participants will get hands-on experience with a variety of robots that are available for today's classrooms. ***Participants are encouraged to bring their own device to this session.***

Topic: **Formative Assessment Made Fun (K-12)**
STI-PD Title #: UATIMFUNFORM
Date/Time: July 9; 9:00 am – 12:00 pm (3 Hours)
Consultant: Dr. Robert Mayben
Location: UA In-Service Education Center, Tuscaloosa
Focus: Teachers know that formative assessment is key to creating an active learning environment, but students just want to have fun. Now, you can do both! Learn how to use formative assessment apps, tools, and websites to increase your students' active engagement in this fun, fast-paced training session. ***Participants are encouraged to bring their own device to this session.***

Topic: **Engage Your Students in a Wild GooseChase! (K-12)**
STI-PD Title #: UATiMGOOSE
Date/Time: July 9; 1:30 pm – 4:30 pm (3 Hours)
Consultant: Dr. Robert Mayben
Location: UA In-Service Education Center, Tuscaloosa
Focus: Gamified learning experiences have been shown to increase student engagement and motivation. In this session, rather than be taken on a wild goose chase, you will learn how to gamify your classroom using GooseChase, a technology tool that makes it easy to create and manage educational scavenger hunts. Participants will need a laptop or tablet along with an iPhone or Android phone as they will experience and create educational GooseChase scavenger hunts!

Topic: **Using Video to Enhance Student Engagement (K-12)**
STI-PD Title #: UATiMUV2
Date/Time: July 10; 9:00 am – 3:00 pm (5 Hours)
Consultant: Dr. Robert Mayben
Location: UA In-Service Education Center, Tuscaloosa
Focus: Video is one of most engaging tools for students of today. From YouTube to Netflix, today's students have grown up in a world where video is available instantly and on any device. In this session, participants will learn innovative methods and easy to use tools to incorporate video into teaching and learning strategies in the classroom. The focus will be on innovative design of hand-on, student-centered video activities using Green Screen, Stop-Motion Animation, Screencasting, and more! ***Participants are encouraged to bring a laptop or Chromebook and either a smartphone or tablet to this session. A G-Mail or Google Account is also necessary.***