UA/UWA In-Service Education Center
Professional Learning Opportunities

Summer 2019
Who May Attend:

Any professional public school teacher, school or district administrator or school board member in the UA/UWA In-Service Center region may attend summer 2019 professional learning sessions.

You may register for any session appropriate to your subject and/or grade level on the Chalkable/STI-PD website www.pdweb.alsde.edu. Remember to use UAT as the first three letters in your PD title number search in order to locate the session on this brochure.

Room accommodations, handouts, and presentations will be based on the number registered. Participants are registered on a first-come, first-serve basis; seating is limited. For this reason, please do not bring children to the training sessions.

Confirmation:

We will confirm your registration and remind you of the session by email only. If a program is canceled, filled, or if there is a change in location, we will notify you by email.

Training Locations:

UA/UWA In-Service Education Center
260 Kilgore Lane
Tuscaloosa, AL 35401
205.348.3319
Directions: http://inservice.ua.edu/directions

Sumter Central High School
13878 US 11
York, AL 36925
205.652.1501

To register for UA/UWA 2019 Instructions for registration of Chalkable/STI-PD

1. Log on to the ALSDE STI Professional Development site: https://pdweb.alsde.edu
2. Click on My Profile and update your profile with current contact information, especially your email address (including summer) so that you will receive email confirmations/uploads on sessions for which you register.
3. Click on the PD Titles tab.
4. Click on Search the PD Title Catalog.
5. Enter the STI-PD PD title number of the session that you wish to attend in the prompt for PD Title Number to the right of the screen. (You will now see the matching PD titles being offered by the UA/UWA In-Service Center at the bottom of your screen, you may have to utilize the scroll bar to view the PD title.)
6. Click on List to the right of the session title in blue and scroll to the session you would like to attend. (Please double check date, time and location before proceeding.)
7. Click Enroll Now for the session you wish to attend.

**Make certain you read the information under Additional Session Information.**

If your user name and/or password do not work, call your principal or district level STI-PD Coordinator at your Central Office.

If you have difficulty locating or registering for a program being offered by the UA/UWA In-Service Center, call our office at 205.348.3319 or 1.800.320.0325.
Engaging Every Family PLU (Administration Certificate Required)

STI-PD #: PLUACLD617
Date/Time: June 5; 9:00 AM – 12:00 PM
Facilitator: Dr. Holly Morgan
Location: UA/UWA In-Service Education Center, Tuscaloosa
Focus: The overall goal of this study is to foster greater parent/family involvement with their child's education. As participants progress through this course they will consider outreach and communication strategies while they reflect on the reasons many families are disengaged from their child's school. This study will require the participant to read the book Engage Every Family: Five Simple Principles, discuss chapters online with other participants, work through several activities, and create an implementation plan for either their school or district. The implementation plan will contain goals, action steps, and timelines for utilizing strategies and resources to enhance current practice. Three face-to-face meetings will take place during the PLU study. The first of the face-to-face meetings will be a course orientation meeting to include a pre-study survey activity. The second meeting will be a mid-point checkup to ensure everyone is progressing through the content, reviewing what has been discussed to that point, and explaining the Implementation Action Plan due at the end of the course. The final (third) face-to-face meeting will consist of participants submitting a copy of individual Implementation Action Plans (culminating activity). At the conclusion of each chapter/reading assignment there will be online discussion activities utilizing a learning management system, such as Google Classroom. Upon successful completion of this study, each participant will be awarded one (1) PLU.

Tier 2 and 3 Reading Intervention Instruction and Behavior Support Strategies (2-5)

STI-PD #: UATRIB
Date/Time: June 5 – 6; 9:00 AM – 12:00 PM daily
Facilitators: Dr. Carol Donovan and Dr. Nicole Swoszowski
Location: Belser-Parton Literacy Center, Tom Barnes Auditorium
Focus: Reasons for slow progress in reading fall on a continuum of severity and include poor early instruction, characteristics of dyslexia, and cognitive disabilities. Drawing from research on best practices, grade 2-5 teacher participants will learn strategies for teaching students who are not making expected progress in reading. These will include Tier 2 and 3 grouping practices, models of intensive reading instruction, and multisensory teaching strategies. Additionally, supports for managing the behaviors that may keep children from engaging in learning will be provided.
Engaging Every Family: ACLD-PLU Opportunity

Begins on June 5! Books provided by Center. For more information, check out the blog at inservice.ua.edu

This ACLD-PLU opportunity is open to anyone who currently holds administrator certification. Register on STI PD: PLUACLD617 (choose sessions offered at Tuscaloosa campus)
Tier 2 and 3 Reading Intervention and Behavior Support Strategies (Grades 2-5)

June 5-6, 2019
9:00 am-12:00 pm
No cost to attend! Secure your seat by registering on STI-PD!

Reasons for slow progress in reading fall on a continuum of severity and include poor early instruction, characteristics of dyslexia, and cognitive disabilities. Drawing from research on best practices, grade 2-5 teacher participants will learn strategies for teaching students who are not making expected progress in reading. These will include Tier 2 and 3 grouping practices, models of intensive reading instruction, and multisensory teaching strategies. Additionally, supports for managing the behaviors that may keep children from engaging in learning will be provided.

Offered in Partnership with the UA/UWA In-Service Center

Register on STI PD at #UATTRIB
FREE ENGINEERING PD FOR 6-12 TEACHERS
AN ASM MATERIALS EXPERIENCE

UNIVERSITY OF ALABAMA
TUSCALOOSA, AL | JUNE 3-7, 2019

AN ENGINEERING BOOT CAMP FOR TEACHERS
Engage with science and engineering practices of NGSS through real-world applications of engineering and hands-on activities you can incorporate in your classroom.
Excellent opportunity to meet volunteers from industry and build connections to benefit your students.

WHO SHOULD ATTEND?
- Middle school and high school teachers with an interest in science, engineering, and industrial/career and technical education.
- Pre-service science teachers

WHY ATTEND?
- Engage in hands-on, low-cost activities that you can integrate into your classroom immediately.
- Help your students discover career opportunities in science and engineering, and meet practicing engineers.
- Strong connection to NGSS.

WHAT’S INCLUDED?
- 4 CEUs (40 hours), demonstration materials and meals.

GRADUATE CREDITS AVAILABLE!
- Two (2) graduate credits available (at participant’s expense) through the University of Missouri-Kansas City at $250. (This is optional.)

"Gave me the background information to better understand how materials are beneficial and why they are important. I'm also more confident in teaching about materials in the middle school setting."

"I felt so excited about what I was learning I started planning lessons for next year! I went to the $1 store and purchased the items for determining growth and mass."

REGISTER NOW! SURVEYMONKEY.COM/R/JMM9GKH

QUESTIONS?
Jeane Deatherage, Administrator of Foundation Programs
jeane.deatherage@asminternational.org | 800 336 5152, ext. 5433,
Alabama teachers attend Space Academy for Educators at no cost!

The U.S. Space & Rocket Center has received funding from the Alabama Legislature to bring educators from across the state for FREE during Alabama Space Academy for Educators.

This immersive, professional development program allows teachers to train like astronauts as they learn among their peers.

Lesson Plants and Activities: Take away standards, aligned activities and lesson plans that encourage and develop 3-D thinking in your classrooms.

Best Practices: Learn from your fellow educators from across the state. Share ideas for enhancing your curriculum. Stimulate creativity through hands-on activities.

Network: Tap into a community of engaged, committed educators. Build professional friendships that continue long after you've completed your mission here.

Archives and Support: Access NASA and Space Camp lesson plans and experiments that can be adapted to your classroom. Build your own curriculum with objectives-driven activities designed for grades 4 - 9.

Alabama Space Academy for Educators — where professional development is mission critical.

Register Now!

VISIT spacecamp.com/educators SpaceCampUSA

Alabama Space Academy for Educators

June 5 - June 10, 2019
Check in Wednesday, June 5 and graduate Monday, June 10.

June 26 - July 1, 2019
Check in Wednesday, June 26 and graduate Monday, July 1.

Includes:
- Lodging at University of Alabama in Huntsville
- Meals during program days
- Flight suit, t-shirt, backpack and all educational program materials.

Receive 45 Professional Development Credits.

Educators Get Ready for the Next Giant Leap!

To learn more go to spacecamp.com/alsae
To apply go to spacecamp.fluidreview.com

For additional information contact Heather Reden at heatherr@spacecamp.com or call (256) 722-5639
**Spotlight on Statistics (6-12 Math Teachers)**

**STI-PD #:** STAT100  
**Date/Time:** June 10 - 11; 9:00 AM – 3:00 PM daily  
**Consultant:** Dorothy Bell and Kim Daily  
**Location:** UA/UWA In-Service Education Center, Tuscaloosa  
**Focus:** This session focuses on content deepening that enhances instruction for Grades 6-12 statistics standards in the Alabama Course of Study: Mathematics. Activities include creating and analyzing boxplots and scatterplots, exploring mean absolute deviation and standard deviation, comparing datasets, and investigating correlational relationships.

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**Spotlight on Statistics (6-12 Math Teachers)**

**STI-PD #:** STAT100  
**Date/Time:** June 13 - 14; 9:00 AM – 3:00 PM daily  
**Consultant:** Dorothy Bell and Kim Daily  
**Location:** Sumter Central High School, York, AL  
**Focus:** This session focuses on content deepening that enhances instruction for Grades 6-12 statistics standards in the Alabama Course of Study: Mathematics. Activities include creating and analyzing boxplots and scatterplots, exploring mean absolute deviation and standard deviation, comparing datasets, and investigating correlational relationships.

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**National Board Candidate Orientation**

**STI-PD #:** UATBRO  
**Date/Time:** June 13, 2019; 9:00 AM – 11:00 AM  
**Facilitator:** Leslie Hughes, NBCT  
**Location:** UA/UWA In-Service Center, Tuscaloosa  
**Focus:** Orientation activities for teachers interested in pursuing National Board Certification which include supporting teachers understanding of the requirements; costs and time commitment involved in the process; potential resources; process overview; suggestions for how to begin; and, team time for in-depth discussion on a support network that enriches the National Board experience.

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**Project Citizen (5-12)**

**STI-PD #:** UATPRCTZ  
**Date/Time:** June 25; 8:00 AM – 3:00 PM  
**Facilitator:** Dr. Alan Stevens  
**Location:** UA/UWA In-Service Education Center, Tuscaloosa  
**Focus:** Participants will learn how to use Project Citizen as a service learning/civic involvement model. In addition, participants will receive a classroom set of student books, a teacher’s guide and a $100 stipend.

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**Closing the Achievement Gap, 2019 Conference**

**STI-PD #:** ARICO1264  
**Date/Time:** July 9; 9:00 AM – 3:00 PM  
**Location:** Bessemer High School, Bessemer  
**Focus:** Participants will attend concurrent sessions for Elementary, Middle and High Schools where they will learning strategies that will make a difference in their school and hear success stories from Alabama schools that have achieved positive academic growth.
WHY PROJECT CITIZEN?

As a citizen of the United States you have a right to say what you think government should do about problems in your community. You also have a right to say what you think about problems in your state, the nation, and about international problems. You have the right to try to influence the decisions people in your government make about all of those problems.

To be able to participate effectively, however, citizens need to know which levels of government and which governmental agencies are responsible for changing, enforcing, or developing a specific public policy. For example, state legislatures may direct agencies to enact policies resulting from federal legislation. Or, local governments may create policies in order to carry out responsibilities assigned to them through laws enacted at the state or federal level. Additionally, as part of the process of developing and implementing policy, governmental agencies must determine if the new policy conflicts with existing legislation or policy.

This project is intended to help you learn how to express your opinions, how to decide which level of government and which agency is most appropriate for dealing with the problem you identify, and how to influence policy decisions at that level of government.

Curriculum Focus

Project Citizen focuses on the role of state and local governments in the U.S. federal system. The curriculum involves an entire class of students or members of youth or adult groups in a series of structured, cooperative-learning activities that are guided by teachers, organization leaders, and adult volunteers.

Working in four cooperative teams, the students learn to interact with their government through a five-step process that includes the following:

- Identifying a problem in their community that requires a public policy solution
- Gathering and evaluating information on the problem
- Examining and evaluating alternative solutions
- Developing a proposed public policy to address the problem
- Creating an action plan to get their policy adopted by government

Students’ work is displayed in a class portfolio containing a display section and a documentation section.

Project Citizen Training

- One day training hosted in the summer near all inservice centers in the state.
- Each participant will receive a classroom set of student books and a teacher's guide. This is for Grades 5 or higher.
- Participants will earn 6 hours of Chalkable/STI-PD credit.
- All resource materials will be provided along with a $100 stipend.

Contact: Alan Stevens
asteven4@samford.edu
205-726-2433
CLOSING THE ACHIEVEMENT GAP 2019 Conference

KEYNOTE SPEAKERS:
Liz Huntley
Attorney and Child Advocate
Dr. Regina Thompson
Superintendent, Fairfield City Schools
Trisha Powell Crain
Education Reporter, al.com

Tuesday, July 9, 2019
Bessemer High School
9:00 am – 3:00 pm

Register on STIPD:
ARIC01264

Sponsored by: Alabama Regional Inservice Centers

- Concurrent sessions for Elementary, Middle and High Schools
- Hear success stories from Alabama schools that have achieved positive academic growth.
- Learn strategies that will make a difference in your school.
- Share with other schools that are experiencing challenges in academic achievement.
Lead Where you are Planted

Topic: Lead Where you are Planted
STI-PD #: UATLWP
Date/Time: July 10; 1:00 PM – 4:00 PM
Facilitator: Allison Curington, LCSW Director of Field Education, School of Social Work
Location: UA/UWA In-Service Education Center, Tuscaloosa
Focus: Leadership is more than titles, corner offices, or rewards. Leadership is about building relationships based on trust, engaging in self-awareness, and creating a system that values vulnerability and diversity. This presentation will provide both information and tools that educators can use to increase their capacity for leadership no matter their role in the education system.

Physical Education Large Group Games: Planning, Implementation and Assessment

Topic: Physical Education Large Group Games: Planning, Implementation and Assessment
STI-PD #: UATPE
Date/Time: July 10; 9:00 AM – 12:00 PM
Facilitator: Daniela Susnara, UA Department of Kinesiology/Center for Community-Based Partnerships
Location: UA/UWA In-Service Education Center, Tuscaloosa
Focus: Large group games can often be daunting when faced with the challenges of large class sizes and minimal support from school staff. However, when large group games are planned ahead and implemented with the help of student leaders in progressions, they can lead students to reach and exceed lesson objectives. This session will teach educators new large group games, their progressions, and how to assess students throughout the activity.

Building Child Designed Games into Your Physical Education Program & Tapping into Potential Resources

Topic: Building Child Designed Games into Your Physical Education Program & Tapping into Potential Resources
STI-PD #: UATCDPE
Date/Time: July 11; 9:00 AM – 12:00 PM
Facilitator: Daniela Susnara, UA Department of Kinesiology/Center for Community-Based Partnerships
Location: UA/UWA In-Service Education Center, Tuscaloosa
Focus: The session serves to provide educators with two new sources of information to strengthen their physical education program. The first is information surrounding the creation of child-designed game units. These units are appropriate for elementary through secondary school students. With the correct content, students will be challenged not only physically but cognitively and socio-emotionally. The second part of the session will be a collaborative round table discussion on the creation and possible impact of community partners in a physical education program. Topics will cover creating community events, securing additional funding, and how partnerships can engage families and community members.

Making Formative Assessment Come Alive in Your Classroom

Topic: Making Formative Assessment Come Alive in Your Classroom
STI-PD #: UATFAIC
Date/Time: July 11; 9:00 AM – 12:00 PM
Facilitator: Dr. Holly Morgan, Director, UA/UWA In-Service Center
Location: UA/UWA In-Service Education Center, Tuscaloosa
Focus: According to Dylan William, “Assessment is the bridge between teaching and learning.” So, as a teacher, how can I use formative assessment to effectively cross this bridge and close the achievement gap for my students? This session will focus on understanding the purpose of formative assessment and how to analyze results to guide instruction. Teachers should bring a laptop or other device; various digital tools for formative assessment will be used during the session.
Best Practices for Writing Instruction in the Primary Grades (K-2)

STI-PD #: UATWIP
Date/Time: July 16; 12:00 PM – 3:00 PM
Facilitator: Dr. Carol Donovan
Location: Belser-Parton Literacy Center, Tom Barnes Auditorium
Focus: Strategies for writing instruction specific to the early grades will be covered. Recommendations for best practice will be discussed. Instructional strategies for getting students writing, supporting writing in the content areas, and strategies for meeting the standards for informational, argument and opinion writing will be covered.

School-Based Mental Health

STI-PD #: UATMHH
Date/Time: July 16, 2018; 8:30 AM – 11:30 AM
Facilitator: Dr. Laura Hopson and Dr. Blake Berryhill
Location: UA/UWA In-Service Center, Tuscaloosa
Focus: This workshop will provide education on the prevalence of student mental health issues and how they manifest in the classroom, as well as solution-focused brief strategies to improve engagement, behavioral assessment, goal setting, and behavior change.

Best Practices for Writing Instruction in the Elementary Grades (3-5)

STI-PD #: UATWIE
Date/Time: July 17 12:00 PM – 3:00 PM
Facilitator: Dr. Carol Donovan
Location: Belser-Parton Literacy Center, Tom Barnes Auditorium
Focus: Strategies for writing instruction specific to the later elementary grades will be covered. Recommendations for best practice will be discussed. Strategies for getting students writing, supporting writing in the content areas, and strategies for meeting the standards for informational, argument and opinion writing will be covered.

Key Leader Network (KLN)/Powerful Conversations Network (PCN) Orientation

STI-PD #: UATNETO
Date/Time: July 23; 9:00 AM – 12:00 PM
Facilitator: Dr. Holly Morgan
Location: UA/UWA In-Service Education Center, Tuscaloosa
Focus: Please join us for an informational overview regarding the Key Leader and Powerful Conversation Networks that bring dynamic leadership and exemplary instruction to west Alabama schools. You will be a part of lively discussions, hear testimonies from participating educators and experience a sample of network content.

Reaching Reluctant Writers

STI-PD #: UATRW
Date/Time: July 23; 12:00 PM – 3:00 PM
Facilitator: Dr. Melissa Shields, NBCT, ALSDE Regional Support Coordinator
Location: UA/UWA In-Service Education Center, Tuscaloosa
Focus: This session will demonstrate "tried and true" (and fun!) strategies that help bridge the gap for today's learners in the language arts classroom. The presenter will share best practices for teaching poetry, narratives, nonfiction, grammar, and punctuation that both engage and challenge students to become better writers, especially those who are most reluctant to write. Handouts will include helpful links, student samples, and ready-to-use classroom activities/projects. Student web publishing tools will also be provided.
BEST PRACTICES FOR WRITING INSTRUCTION

JULY 16, 12:00-3:00 PM
PRIMARY GRADES (K-2)---STI-PD #UATWIP

JULY 17, 12:00-3:00 PM
ELEMENTARY GRADES (3-5)---STI-PD
#UATWIE

Strategies for getting students writing, supporting writing in the content areas, and strategies for meeting the standards for informational, argument and opinion writing will be covered. Offered by Dr. Carol Donovan of the Belser-Parton Literacy Center.

All sessions located at The UA/UWA In-Service Center
MENTAL HEALTH IN SCHOOLS: SOLUTION-FOCUSED STRATEGIES FOR ASSESSMENT, GOAL-SETTING, AND BEHAVIOR CHANGE

Register on STI PD #UATMH

July 16, 2019 | 8:30 AM - 11:30 AM
UA/UWA In-Service Center, Room 1044

This workshop will provide education on the prevalence of student mental health issues and how they manifest in the classroom, as well as solution-focused brief strategies to improve engagement, behavioral assessment, goal setting, and behavior change.
DR. MELISSA SHIELDS, NBCT PRESENTS

REACHING RELUCTANT WRITERS

offered by The UA/UWA In-Service Center

JULY 23, 2019
12:00-3:00 PM
UA/UWA IN-SERVICE CENTER

Register on STI PD: #UATRW
2019 Advanced Placement Summer Institute

This institute is available to teachers who are current AP teachers looking to strengthen their program, or teachers who are new to the AP program seeking guidance on curriculum and teaching methods. The APSI registration fee is $650 per person for Non Science Courses and $700 per person for Science Courses. The registration fee covers the cost of the sessions, handout materials, refreshment breaks and lunch daily.

The new AP teacher workshops are designed for teachers new to AP or with minimal training in AP. The Experienced AP teacher workshops are designed for experienced teachers who have previously attended an introductory AP training and have taught an AP course for at least two years. All sessions will be held on The University of Alabama campus. The STI-PD Title Number for all sessions listed below is UATAP19. To learn more about these sessions, visit www.training.ua.edu/advanced-placement-summer-institutes.

Monday, June 24 – Thursday, June 27, 2019

- Biology (New AP Teachers)
- Biology ( Experienced AP Teachers)
- Chemistry (New AP Teachers)
- Chemistry ( Experienced AP Teachers)
- Environmental Science ( New and Experienced AP Teachers)
- Physics I ( New and Experienced AP Teachers)

Monday, July 15 – Thursday, July 18, 2019

- English Language and Composition ( New AP Teachers)
- English Language and Composition ( Experienced AP Teachers)
- English Literature and Composition ( New AP Teachers)
- English Literature and Composition ( Experienced AP Teachers)
- U.S. History ( New AP Teachers)
- U.S. History ( Experienced AP Teachers)
- Government ( New and Experienced AP Teachers)

Monday, July 22 – Thursday, July 25, 2019

Computer Science Principles ( New and Experienced AP Teachers)

- Statistics ( New AP Teachers)
- Statistics ( Experienced AP Teachers)
- Calculus AB (New AP Teachers)
- Calculus AB ( Experienced AP Teachers)
- Calculus BC ( New and Experienced AP Teachers)
Registration Options

THE UNIVERSITY OF ALABAMA
Bryant Conference Center
240 Paul W. Bryant Drive
Tuscaloosa, AL 35401
205-348-6600

Please enroll me in the following:

SESSION I: (03-141-19)
Monday-Thursday, June 24-27, 2019
$700 course ($750 if postmarked or received after June 9, 2019)
[ ] Biology, New*
[ ] Biology, Experienced
[ ] Chemistry, New*
[ ] Chemistry, Experienced
[ ] Environmental Science, New and Experienced
[ ] Physics, New and Experienced

SESSION II: (03-142-19)
Monday-Thursday, July 15-18, 2019
$650 course ($700 if postmarked or received after June 30, 2019)
[ ] English Language and Composition, New
[ ] English Language and Composition, Experienced
[ ] English Literature and Composition, New
[ ] English Literature and Composition, Experienced
[ ] US History, New
[ ] US History, Experienced
[ ] Government, New and Experienced

SESSION III: (03-143-19)
Monday-Thursday, July 22-25, 2019
$650 course ($700 if postmarked or received after July 7, 2019)
[ ] Computer Science Principles, New and Experienced
[ ] Statistics, New*
[ ] Statistics, Experienced
[ ] Calculus AB, New*
[ ] Calculus AB, Experienced
[ ] Calculus BC, New and Experienced

*Denotes an instructor not endorsed by the College Board.
OGAP Additive Math Training (K-2)

Focused Audience: Teachers in AMSTI Schools
Registration: By Invitation ONLY
Date/Time: June 3 - 6, 8:30 AM – 3:30 PM daily (24 Hours)
Consultant: AMSTI Specialists
Location: Tuscaloosa
Focus: OGAP, The Ongoing Assessment Project, is a national training that has partnered with AMSTI to provide this learning and support to teachers in Alabama. OGAP Additive training for K-2nd grade math teachers consists of four days of face-to-face learning in the summer and four PLC days during the 2019-20 school year. Teachers are expected to utilize the item bank to analyze student work and to plan next instructional decisions. Year 2 OGAP commitments for 2020-21 are continued PLCs but do not include summer training.

Progressions & Practices in K-5 Math

Focused Audience: K-5 Math teachers in Region 4 (Previous AMSTI training NOT required)
Registration: https://forms.gle/ACYCvY18gy4XBqkGA
Date/Time: June 14, 8:30 AM – 3:30 PM (6 Hours)
Consultant: AMSTI Specialists
Location: UA/UWA Regional In-Service Center, Tuscaloosa
Focus: This math PD is correlated to the Alabama Course of Study, Math. Participants will deepen their understanding of the mathematical progressions in grades K-5. Teachers will also learn more about the student math practices and how to embed them in daily lessons.

Progressions & Practices in K-5 Math

Focused Audience: K-5 Math teachers in Region 4 (Previous AMSTI training NOT required)
Registration: https://forms.gle/ACYCvY18gy4XBqkGA
Date/Time: June 25, 8:30 AM – 3:30 PM (6 Hours)
Consultant: AMSTI Specialists
Location: Sumter Central High School, York
Focus: This math PD is correlated to the Alabama Course of Study, Math. Participants will deepen their understanding of the mathematical progressions in grades K-5. Teachers will also learn more about the student math practices and how to embed them in daily lessons.

Science Year Two Training (K-5)

Focused Audience: Teachers in AMSTI Schools
Registration: https://goo.gl/forms/GJijmzW0idjszCjfl
Date/Time: July 9-11, 8:30 AM – 3:30 PM daily (18 Hours)
Consultant: AMSTI Specialists
Location: Northridge Middle School, Tuscaloosa
Focus: AMSTI science training is written to correlate to the Alabama Course of Study, Science. AMSTI believes in hands-on learning to build conceptual understanding. Teachers are provided with grade level specific instruction so they can return to their classroom with the content, skills, and resources to fully implement the standards for their grade level.
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<tr>
<th>Topic:</th>
<th>Science Year One Training (6-8)</th>
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<tbody>
<tr>
<td>Focused Audience:</td>
<td>Teachers in AMSTI Schools</td>
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<td>Registration:</td>
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<tr>
<td>Date/Time:</td>
<td>July 9 – 12, 15 – 17, 8:30 AM – 3:30 PM daily (42 Hours)</td>
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<tr>
<td>Consultant:</td>
<td>AMSTI Specialists</td>
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<tr>
<td>Location:</td>
<td>Northridge Middle School, Tuscaloosa</td>
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<tr>
<td>Focus:</td>
<td>AMSTI science training is written to correlate to the Alabama Course of Study, Science. AMSTI believes in hands-on learning to build conceptual understanding. Teachers are provided with grade level specific instruction so they can return to their classroom with the content, skills, and resources to fully implement the standards for their grade level.</td>
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<th>Topic:</th>
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<tr>
<td>Focused Audience:</td>
<td>Teachers in AMSTI Schools</td>
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<td>Registration:</td>
<td>By Invitation ONLY</td>
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<tr>
<td>Date/Time:</td>
<td>July 9-12, 8:30 AM – 3:30 PM daily (24 Hours)</td>
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<tr>
<td>Consultant:</td>
<td>AMSTI Specialists</td>
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<tr>
<td>Location:</td>
<td>Tuscaloosa</td>
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<tr>
<td>Focus:</td>
<td>AMSTI math training is correlated to the Alabama Course of Study, Math and best practices based on research. AMSTI believes in hands-on learning to build conceptual understanding. Our training focuses on content, pedagogy, and true formative assessment (assess, analyze the responses, change instruction) to improve teacher practice. This training is grade banded to provide insight to the mathematical progressions.</td>
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<td>Date/Time:</td>
<td>July 9-12, 8:30 AM – 3:30 PM daily (24 Hours)</td>
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<tr>
<td>Focus:</td>
<td>AMSTI math training is correlated to the Alabama Course of Study, Math and best practices based on research. AMSTI believes in hands-on learning to build conceptual understanding. Our training focuses on content, pedagogy, and true formative assessment (assess, analyze the responses, change instruction) to improve teacher practice. This training is grade banded to provide insight to the mathematical progressions.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Topic:</th>
<th>Math Year One Training (9-12)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Focused Audience:</td>
<td>Teachers in AMSTI Schools</td>
</tr>
<tr>
<td>Registration:</td>
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</tr>
<tr>
<td>Date/Time:</td>
<td>July 9-12, 8:30 AM – 3:30 PM daily (24 Hours)</td>
</tr>
<tr>
<td>Consultant:</td>
<td>AMSTI Specialists</td>
</tr>
<tr>
<td>Location:</td>
<td>Tuscaloosa</td>
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</table>
**Science Year One Training (K-5)**

**Focused Audience:** Teachers in AMSTI Schools  
**Registration:** [https://goo.gl/forms/GjlimzW0uidiszCjfl](https://goo.gl/forms/GjlimzW0uidiszCjfl)  
**Date/Time:** July 15 – 18, 8:30 AM – 3:30 PM daily (24 Hours)  
**Consultant:** AMSTI Specialists  
**Location:** Northridge Middle School, Tuscaloosa  
**Focus:** AMSTI science training is written to correlate to the Alabama Course of Study, Science. AMSTI believes in hands-on learning to build conceptual understanding. Teachers are provided with grade level specific instruction so they can return to their classroom with the content, skills, and resources to fully implement the standards for their grade level.

**Math Year Two Training (K-5)**

**Focused Audience:** Teachers in AMSTI Schools  
**Registration:** By Invitation ONLY  
**Date/Time:** July 15-17, 8:30 AM – 3:30 PM daily (18 Hours)  
**Consultant:** AMSTI Specialists  
**Location:** Tuscaloosa  
**Focus:** AMSTI math training is correlated to the Alabama Course of Study, Math and best practices based on research. AMSTI believes in hands-on learning to build conceptual understanding. Our training focuses on content, pedagogy, and true formative assessment (assess, analyze the responses, change instruction) to improve teacher practice. This training is grade banded to provide insight to the mathematical progressions.

**Math Year Two Training (6-2)**

**Focused Audience:** Teachers in AMSTI Schools  
**Registration:** By Invitation ONLY  
**Date/Time:** July 15-18, 8:30 AM – 3:30 PM daily (24 Hours)  
**Consultant:** AMSTI Specialists  
**Location:** Tuscaloosa  
**Focus:** AMSTI math training is correlated to the Alabama Course of Study, Math and best practices based on research. AMSTI believes in hands-on learning to build conceptual understanding. Our training focuses on content, pedagogy, and true formative assessment (assess, analyze the responses, change instruction) to improve teacher practice. This training is grade banded to provide insight to the mathematical progressions.

**OGAP Multiplicative Math Training (3-5)**

**Focused Audience:** Teachers in AMSTI Schools  
**Registration:** By Invitation ONLY  
**Date/Time:** July 18-19, 8:30 AM – 3:30 PM daily (12 Hours, Dates TBD during 2019-20 school year)  
**Consultant:** AMSTI Specialists  
**Location:** Tuscaloosa  
**Focus:** OGAP, The Ongoing Assessment Project, is a national training that has partnered with AMSTI to provide this learning and support to teachers in Alabama. OGAP Multiplicative training for 3rd – 5th grade math teachers consists of two days of face-to-face learning in the summer as well as two training days and two PLC days during the 2019-20 school year. Teachers are expected to utilize the item bank to analyze student work and to plan next instructional decisions. Year 2 OGAP commitments for 2020-21 are continued PLCs but do not include summer training.
The University of Alabama
UA/UWA In-Service Education Center

Topic: Year 1 ASIM Physics Training
Registration: Please contact Julie Covin jcovin@ua.edu or 205.531.3230 to register
Date/Time: June 3-7; 8:00 AM – 3:30 PM daily
Facilitator: Julie Covin
Location: The University of Alabama; Gallalee Hall
Focus: This five-day training will complete the ten days of year one ASIM Physics training begun in September 2018. Topics will include constant velocity, accelerated motion, forces, circular motion and impulse. Days with inadequate registrants will be cancelled.

Topic: Year 1 ASIM Biology Training
Registration: Please contact Lisa Clark at lclark@ua.edu, complete Google Form, or 205.361.2456 to register
Date/Time: June 3-7; June 10-12 8:30 AM – 3:30 PM daily
Facilitator: Lisa Clark
Location: The University of Alabama; Science and Engineering Complex (SEC 3408 & SEC 2424)
Focus: This eight day training will address the following topics from the Biology Alabama Course of Study: Compound Microscopy, Digital microscopy, Protists, Plasmolysis, Diffusion, Symbiosis, Cell Size, macromolecules, DNA extraction, chromosome analysis, enzyme structure/function, photosynthesis, genotypes/phenotypes, exponential growth, antibiotic resistance, soil analysis, cellular respiration, dihybrid crosses, pedigrees, blood type inheritance patterns, bio-assessment, molecular evolution, artificial selection, natural selection, bead bug, muscular system, lymphatic system, endocrine system, bone growth/disease, body planes/cavities, skeletal system, Urinalysis, and ECG. Days with inadequate registrants will be cancelled.

Topic: Year 1 Week 1 ASIM Chemistry Training
Registration: Please contact Dean Wilson at wdwilson2@ua.edu or 205.712.5774 to register
Date/Time: June 10-13; 8:30 AM – 3:30 PM daily
Facilitator: Dean Wilson
Location: The University of Alabama; Shelby Hall
Focus: This four-day training will complete the first half of Year One ASIM Chemistry training. Topics will include Accuracy and Precision, Density of a Liquid, Calculating Average Atomic Mass, Coinium Isotopes of Atoms, Celsius to Fahrenheit, Thickness of Aluminum Foil, Excited Electrons, Chemicool People, It's In The Cards, Molecular Shape and Polarity, Chemical Nomenclature, Chem Cubes, Mole Concept, Empirical Formulas, Tortoise Island, Extraction and Identification of Dyes (Kool-Aid), Paper Chromatography - Ransom Notes (Radial). Days with inadequate registrants will be cancelled.
Topic: Year 2 ASIM Physics Training
Registration: Please contact Julie Covin jcovin@ua.edu or 205.531.3230 to register
Date/Time: June 17-21; 8:00 AM – 3:30 PM daily
Facilitator: Julie Covin
Location: The University of Alabama; Gallalee Hall
Focus: This five-day training will begin year two ASIM Physics training. Topics will include thermodynamics, simple harmonic motion, waves, sound and light. Days with inadequate registrants will be cancelled.

Topic: Year 1 Week 2 ASIM Chemistry Training
Registration: Please contact Dean Wilson at wdwilson2@ua.edu or 205.712.5774 to register
Date/Time: June 17-20; 8:30 AM – 3:30 PM daily
Facilitator: Dean Wilson
Location: The University of Alabama; Shelby Hall
Focus: This four-day training will complete the second half of Year One ASIM Chemistry training. Topics will include Intensive and Extensive Properties, History of Atomic Theory, History of Atomic Theory, Chemical Changes, Aluminum Leftovers, Color of Chemistry, Ideal Gas Law and Molar Volume, Spectroscopy, Determining the Concentration of a Solution, Acid Titrations, Chemical Equilibrium, Specific Heat, Specific Heat - Graphical Analysis, Energy Content of Food, Particle Collisions and Activation Energy. Days with inadequate registrants will be cancelled.
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

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<td>9 AM – 3 PM</td>
<td>Invention Literacy with Makey Makey</td>
<td>UARIC 1040</td>
</tr>
<tr>
<td>6/4/19</td>
<td>9 AM - 3 PM</td>
<td>Fly Drones into Your Curriculum</td>
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<td>9 AM - 3 PM</td>
<td>Innovative Design with LEGOs</td>
<td>UARIC 1040</td>
</tr>
<tr>
<td>6/7/19</td>
<td>8 AM - 3 PM</td>
<td>Tech Meet Tuscaloosa</td>
<td>UARIC 1040</td>
</tr>
<tr>
<td>6/18/19</td>
<td>9 AM – 3 PM</td>
<td>Invention Literacy with Makey Makey</td>
<td>DMS Lab 212</td>
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<tr>
<td>6/19/19</td>
<td>9 AM - 12 PM</td>
<td>Introduction to 3D Printing</td>
<td>DMS Lab 212</td>
</tr>
<tr>
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<td>1 PM - 4 PM</td>
<td>Virtual Field Trips with Google Expeditions</td>
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<td>9 AM - 3 PM</td>
<td>Using Video to Enhance Student Engagement</td>
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<tr>
<td>6/24/19</td>
<td>9 AM - 3 PM</td>
<td>A Day of Code</td>
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<td>6/27/19</td>
<td>9 AM - 3 PM</td>
<td>Coding with Robots</td>
<td>UARIC 1040</td>
</tr>
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<td>7/9/19</td>
<td>9 AM - 12 PM</td>
<td>Formative Assessment with Technology</td>
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<td>1:30 PM - 4:30 PM</td>
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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

REGISTER VIA CHALKABLE PD - MORE INFO AT INSERVICE.UA.EDU
Invention Literacy with Makey Makey (K-12)

STI-PD #: 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.**

Fly Drones into Your Curriculum (K-12)

STI-PD #: 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.**

Innovative Design with LEGO (K-12)

STI-PD #: UATIMLEGO
Date/Time: June 5; 9:00 AM – 3:00 PM (5 Hours)
Consultant: Dr. Robert Mayben
Location: UA In-Service Education Center, Tuscaloosa
Focus: LEGOIs are part of most of our students’ lives, but few have considered how effective LEGOIs can be when integrated into classroom instruction. In this session, participants will learn how to use LEGOIs 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.**

Tech Meet Tuscaloosa 2019 (K-12)

STI-PD #: 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](http://uatmt.weebly.com). All new topics will be presented this year. Participants are encouraged to bring their own tablet, laptop, etc.
ALABAMA TECHNOLOGY IN MOTION PRESENTS

TECH MEET TUSCALOOSA
9TH ANNUAL

JUNE 7 2019

#UATMT

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
Invention Literacy with Makey Makey (K-12)
STI-PD #: 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.**

Introduction to 3D Printing (K-12)
STI-PD #: 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.**

Virtual Field Trips with Google Expeditions (K-12)
STI-PD #: 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.**

Using Video to Enhance Student Engagement (K-12)
STI-PD #: 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.**
A Day of Code (K-6)

Topic: A Day of Code (K-6)
STI-PD #: 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.*

Coding with Robots (K-12)

Topic: Coding with Robots (K-12)
STI-PD #: 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.*

Formative Assessment Made Fun (K-12)

Topic: Formative Assessment Made Fun (K-12)
STI-PD #: 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.*

Engage Your Students in a Wild GooseChase! (K-12)

Topic: Engage Your Students in a Wild GooseChase! (K-12)
STI-PD #: 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!
Using Video to Enhance Student Engagement (K-12)

STI-PD #: UATiMUV2
Date/Time: July 10; 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 STEM 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.