



STATE OF ALABAMA
DEPARTMENT OF EDUCATION



Eric G. Mackey, Ed.D.
State Superintendent of Education

February 26, 2020

MEMORANDUM

TO: City and County Superintendents of Education

FROM: Eric G. Mackey *EGM*
State Superintendent of Education

RE: 2019 Alabama Course of Study: Mathematics Professional Development Plan and Phase I Opportunities

The Alabama State Department of Education (ALSDE), Office of Student Learning Section is excited to offer a multi-year, comprehensive professional development plan to facilitate the transition and implementation of the 2019 Alabama Course of Study: Mathematics. Through collaborative efforts with A+ College Ready, Alabama Math, Science, and Technology Initiative (AMSTI), and Instructional Services, a variety of professional learning opportunities have been designed for teachers, administrators, and curriculum leaders who are responsible for mathematics instruction at the school and/or local education agency (LEA) level. The sessions will offer differentiated learning opportunities to address the following areas:

- General information regarding the new course of study document.
- Key components for a successful transition.
- Comprehensive implementation support for classroom instruction.
- Grade-band and grade-specific standards implementation.
- Secondary course-specific training and instructional resources.
- Leadership roles in successful implementation.

To accommodate LEAs with travel and other professional development plans, we have worked diligently to offer all of these professional learning opportunities in multiple locations across the state. Participants who attend these professional development sessions will be provided with a bound hard-copy of the 2019 Alabama Course of Study: Mathematics, as well as instructional resources that can be utilized in delivering standards-based instruction in the mathematics classroom.

Specific information regarding each of the Phase I professional development opportunities, including dates, locations, registration, beginning and end times, brief description, and contact information, is provided in the attachment. If you have any questions regarding these professional development opportunities, please contact Dr. Sandy Ledwell, AMSTI Coordinator, at sledwell@alsde.edu or 334-694-4727.

EGM/SL/KD

Attachment

FY20-2048

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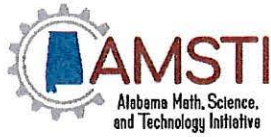
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MATHEMATICS

PROFESSIONAL DEVELOPMENT

OVERVIEW

Trainings are designed to provide support to classroom teachers, special education teachers, and coaches. Trainings are aligned to the 2019 Alabama Course of Study.

K-5 TRAININGS

COURSE OF STUDY OVERVIEW

Summer 2020

One-day training designed to help teachers and coaches learn about the 2019 Alabama Course of Study. Participants will explore the conceptual framework, content areas, and focus standards.

AMSTI FOUNDATIONAL

Summer 2020

Four-day training designed to provide teachers with Tier 1 evidence-based practices that meet the learning needs of all students. Participants will engage in high-quality mathematics tasks, various instructional strategies, and the formative assessment cycle.

NUMBERS

Summer 2020

Two-day training designed to help teachers uncover strategies to help students develop a deeper understanding of mathematical concepts. NUMBERS training will focus on Number Sense or Fractions and Decimals.

OGAP

Summer 2020

Four-day training designed to focus on Additive Reasoning and Multiplicative Reasoning with an emphasis on the formative assessment cycle to guide instruction.

CONTACT

Regional AMSTI Site



www.amsti.org

@AMSTI4ALL

OPTIONS



COURSE OF STUDY
OVERVIEW



NUMBERS



AMSTI FOUNDATIONAL



OGAP



MATHEMATICS

PROFESSIONAL DEVELOPMENT

OVERVIEW

Trainings are designed to provide support to classroom teachers, special education teachers, and instructional coaches. Trainings are aligned to the 2019 *Alabama Course of Study Mathematics* and are at no registration cost to schools or districts.

Grades 6-8 Trainings

COURSE OF STUDY OVERVIEW

May 2020

One-day training designed to provide teachers and coaches with an overview of the 2019 *Alabama Course of Study Mathematics*, including the conceptual framework, content areas, and focus standards.

NUMBERS

Summer 2020

Two-day training designed to help teachers explore strategies to help students develop a deep understanding of Fraction and Decimal concepts.

AMSTI FOUNDATIONAL

Summer 2020

Four-day training designed to focus on high-quality mathematical tasks, effective instructional strategies, and the formative assessment cycle.

OGAP

Summer 2020

Four-day training designed to focus on Fractional or Proportional Reasoning with an emphasis on the formative assessment cycle.

ALSDE-SPONSORED A+ COLLEGE READY E3 TRAINING

Summer 2020

Four-day **Math 7/Accelerated Math 7** training designed to focus on high-leverage pedagogical strategies based on Marzano's *New Art and Science of Teaching*.

SPOTLIGHT ON STATISTICS

Summer 2020

Two-day training designed to spotlight the middle school statistics standards in order to equip teachers to more effectively teach statistical concepts to students.

PROBABILITY! INCREASE YOUR ODDS

Summer 2020

One-day training designed to focus on the probability standards from 7th grade in order to equip teachers to more effectively teach probability concepts to students.

CONTACT

Regional AMSTI Site



www.amsti.org
[@AMSTI4ALL](https://twitter.com/AMSTI4ALL)

OPTIONS

COURSE OF STUDY OVERVIEW

AMSTI FOUNDATIONAL

SPOTLIGHT ON STATISTICS

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OPTIONS

COURSE OF STUDY OVERVIEW

AMSTI FOUNDATIONAL

PROBABILITY

E3

CALCULATOR

E3-STATISTICS

ACT

MATHEMATICS

PROFESSIONAL DEVELOPMENT

OVERVIEW

Trainings are designed to provide support to classroom teachers, special education teachers, and instructional coaches. Trainings are aligned to the 2019 *Alabama Course of Study Mathematics* and are at no registration cost to schools or districts.

High School Trainings

COURSE OF STUDY OVERVIEW

May 2020

One-day training designed to provide teachers and coaches with an overview of the 2019 *Alabama Course of Study Mathematics*, including the conceptual framework, content areas, and focus standards.

AMSTI FOUNDATIONAL

Summer 2020

Four-day training designed to focus on ACT readiness, high-quality mathematical tasks, various instructional strategies, and the formative assessment cycle.

ALSDE-SPONSORED A+ COLLEGE READY E3 TRAINING

Summer 2020

Four-day **Geometry with Data Analysis** or **Algebra I with Probability** training designed to focus on high-leverage pedagogical strategies based on Marzano's *New Art and Science of Teaching*.

Algebra II with STATISTICS

Summer 2020

One-day training designed to support the implementation of the STATISTICS standards. Teachers will experience and walk away with high-quality tasks aligned with the standards.

PROBABILITY! INCREASE YOUR ODDS

Summer 2020

One-day training designed to focus on the probability standards from Algebra I with Probability in order to equip teachers to more effectively teach probability concepts to their students.

CALCULATOR

Summer 2020

Two-day training designed to focus on incorporating graphing calculators into the mathematics classroom to help student develop a deep understanding of concepts and skills.

ACT STUDENT EXPERIENCE

Fall 2020

One-day training designed to help ALL students gain awareness of the ACT and prepare for the ACT.



**ALSDE-Sponsored A+ College Ready E3
Secondary Math Training
Summer 2020**

REGION	LOCATION OF TRAINING	DATES OF TRAINING
Mobile*	Saraland High School 1115 Industrial Parkway Saraland, AL 36571	June 8-11, 2020
UA*	Tuscaloosa Career and Technology Academy 2800 Martin Luther King Jr. Boulevard Tuscaloosa, AL 35401	June 8-11, 2020
Thompson E3	Thompson High School 1921 Warrior Parkway Alabaster, AL 35007	June 16–19, 2020
UAB*	Hewitt-Trussville High School 6450 Husky Parkway Trussville, AL 35173	June 29-July 2, 2020
UNA*	UNA East Campus 1640 Tune Avenue Florence, AL 35630	July 6-9, 2020
JSU*	Anniston, RIC/AMSTI Center 100 Gamecock Drive Anniston, AL 36205	July 6-9, 2020
Ozark*	Carroll High School 141 Eagle Way Ozark, AL 36360	July 13-16, 2020
Decatur E3	Decatur High School 910 Somerville Road, SE Decatur, AL 35601	July 21–24, 2020

The following trainings will be offered at no registration cost to schools/districts for the summer of 2020 at all sites listed above:

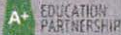
1. Math 7/Accelerated Math 7
2. Geometry with Data Analysis
3. Algebra I with Probability
4. Middle School Computer Science
5. AP Computer Science Principles
6. AP Computer Science A (offered at Thompson High School only)

*A one-day statistics training for Algebra II with Statistics teachers will be offered at no registration cost to schools/districts at these locations.

All A+ College Ready supported courses will be offered at Thompson High School and Decatur High School.

Registration will open for all trainings on March 1 at www.aplusala.org/college-ready/events.

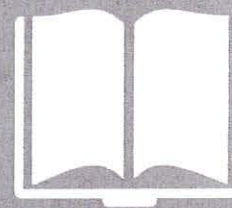
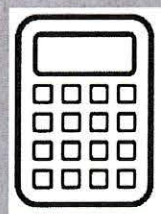


A programmatic arm of  EDUCATION PARTNERSHIP

Equip.
Empower.
Expect More.

A+ COLLEGE READY E3 SUMMER TRAINING 2020

Registration opens **March 1**
[Aplusala.org/college-ready/events](https://aplusala.org/college-ready/events)



JUNE 16-19 | THOMPSON HIGH SCHOOL
JULY 21-24 | DECATUR HIGH SCHOOL

*Information on additional satellite trainings for math and computer science on reverse page.

205-257-5349
collegeready@aplusala.org



ALSDE-SPONSORED E3 TRAINING FOR MATH AND COMPUTER SCIENCE



In partnership with the ALSDE, Alabama public school teachers may attend training for the following courses at no cost* to schools/districts:

Middle School Computer Science (formerly *CS Discoveries*)

AP Computer Science Principles

AP Computer Science A (offered June 16-19 only)

Accelerated Math 7/ Math 7

Algebra I w/ Probability

Geometry w/ Data Analysis

Algebra II w/ Statistics (1-day training for Statistics Standards in new COS)

*Travel expenses are the responsibility of the school/district.

June 8-11 | Saraland High School
June 8-11 | Tuscaloosa Career & Technology Academy
June 29-July 2 | Hewitt Trussville High School
July 6-9 | University of North Alabama- East Campus
July 6-9 | Anniston Regional Inservice Center
July 13-16 | Carroll High School

Registration will open **March 1**.

Aplusala.org/college-ready/events

Please direct any questions to collegeready@aplusala.org