



STATE OF ALABAMA
DEPARTMENT OF EDUCATION



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

Alabama
State Board
of Education

September 5, 2023

MEMORANDUM

Governor Kay Ivey
President

TO: City and County Superintendents of Education

Jackie Zeigler
District I

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

Tracie West
District II
Vice President

RE: 2023 Alabama Computer Science Expansion Report

Stephanie Bell
District III

Thank you for your continued efforts to implement The Computer Science for *Alabama Act* (Act 2019-389). As part of this act, local education agencies must submit a Computer Science (CS) Expansion Report each year by September 30. The secondary school report includes three (3) parts for school districts, district information, individual school information, and rationale if a computer science course is offered through a virtual or distance learning option. The elementary school report has an expanded reporting requirement for this year to include teacher and student data. Please read through each section for a detailed explanation of the requested data that will need to be entered into the report.

Yvette M. Richardson, Ed.D.
District IV

Computer Science Expansion Data Report 2023 - Secondary: District Information

Information in this section will include data for the entire district. You will need to enter the number and list the names of middle and high schools with high-quality computer science courses during the 2023-2024 school year and in which format the course is offered.

Tonya S. Chestnut, Ed.D.
District V
President Pro Tem

Computer Science Expansion Data Report 2023 - Secondary: School Information

Information reported in this section should be completed for middle and high schools with computer science courses during the 2023-2024 school year. Data reporting includes the number of students enrolled in each computer science course, number of teachers that participated in high-quality professional learning in 2023, number of students who scored three (3) or higher on AP Computer Science Exams in 2022-2023, and number of students that earned dual enrollment credit in 2022-2023.

Marie Manning
District VI

Belinda McRae
District VII

Rationale For Distance Learning Option

This shall be submitted for each school where students were only offered a CS course through distance learning course option. Submission must include a rationale for using the distance learning option and an assurance that the school shall continue to work towards in-person course options where students are taught by a trained teacher. You can either submit a link to a cloud-based document or email it to cs4alabama@alsde.edu with "District Name + Distance Learning Rationale" in the subject line.

Wayne Reynolds, Ed.D.
District VIII

Eric G. Mackey, Ed.D.
Secretary and
Executive Officer

Computer Science Expansion Data Report 2023 - Elementary: School Information

Information reported in this section should be completed for elementary schools where teachers participated in CS professional learning in 2023, evidence of implementation in teaching CS standards, and/or a CS integration plan.

City and County Superintendents of Education
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Attached you will find a worksheet for all data to be collected. All information should be submitted by **September 30, 2023**, to the online forms. The secondary form is available at <https://bit.ly/23CSSecondaryExpansionReport>. The Elementary form is available at <https://bit.ly/23CSElemExpansionReport>. If you have any questions regarding the 2023 Computer Science Expansion Report, contact Ms. Dawn Morrison at dmorrison@alsde.edu.

In accordance with Act 2019-389, all school data information will be published online by December 1, 2023.

EGM/ACD/CF

Attachment

cc: Career and Technical Education Directors
Curriculum and Instruction Coordinators
Mrs. Angela Martin
Dr. Jimmy Hull
Dr. Melissa Shields
Ms. Dawn Morrison
Ms. Tina Hammonds
Ms. Amanda Dykes

FY23-2088



Computer Science Expansion Data Report 2023

School Information

In accordance with Act 2019-389, schools shall annually submit the following to the Alabama State Department of Education no later than September 30 each year.

School Information:			
School		School District	
District Superintendent		Grade Levels in the School	
School Principal		School Phone Number	

2022 - 2023 Computer Science Instruction							
Please include the number of teachers that taught computer science in your school.							
Specials/CS/STEM Teacher	Kindergarten	1st Grade	2nd Grade	3rd Grade	4th Grade	5th Grade	6th Grade

Please include the number of students who received computer science instruction in your school through a curriculum that met all standards.							
Kindergarten	1st Grade	2nd Grade	3rd Grade	4th Grade	5th Grade	6th Grade	

2022-2023 Computer Science Integration Documentation:	
How did you monitor and provide documentation of CS integration noted above?	
	Teacher Lesson Plans w/Digital Literacy and Computer Science COS (DLCS) Standards Identified
	CS/STEM Teacher/Specials Class
	Observation Documentation
	Other:

2022 - 2023 Teacher Professional Development Information:	
Total number of teachers that attended the following computer science professional development during SY 2022-2023 or summer 2023:	
	A+ College Ready - CS Fundamentals - 1 day
	A+ College Ready - CS Fundamentals - 2 day
	A+ College Ready - CS Fundamentals - 4 day
	AMSTI Engineering is Elementary - Computer Science Integration
	AMSTI Specialist - Computer Science - Other
	Alabama Technology in Motion - Computer Science Training
	Alabama Elementary CSCon - ALSDE
	District-Led Training
	BootUp
	Project Lead the Way
	Other: (please list the provider)



Computer Science Expansion Data Report 2022

School Information - Continued

In accordance with Act 2019-389, schools shall annually submit the following to the Alabama State Department of Education no later than September 30 each year.

2022 - 2023 Computer Science Curriculum:	
Please check the curriculum your school used for the 2022 - 2023 school year:	
	Code.org - CS Fundamentals
	Engineering is Elementary
	BootUp - Scratch Jr./Scratch Curriculum
	CS First
	Tynker
	Discovery Ed
	Learning.com
	Apple - Everyone Can Code
	Project Lead the Way - Launch
	Pathfinders Online - Infosys
	Codeillusion
	District Created Material (please include a link to an example in the summary below)
	Other: (please list the curriculum)

Computer Science Integration Documentation	
How did you monitor and provide documentation of CS integration in your school (for other, list how you will documented)?	
	Teacher Lesson Plans w/DLCS
	CS/STEM Teacher/Special Class
	Specific time on the schedule each week
	Observation documentation
	We did not have a plan for documentation.
	Other:

Computer Science Implementation Plan:	
Please give a brief summary of the elementary school's CS implementation plan: **This is NOT lesson plans or the scope and sequence of a curriculum.**	



Computer Science Expansion Data Report 2023
District Information

In accordance with Act 2019-389, schools shall annually submit the following to the Alabama State Department of Education no later than September 30 each year.

School District _____

District Superintendent _____

Number of **middle and high schools** with high-quality computer science courses during the **2023 - 2024** school year through each of the following:

	In-Person
	Distance Learning (ACCESS)
	Dual Enrollment
	Standalone Career Tech Center

Complete a list of middle and high schools that offer high-quality computer science courses during the 2023 -2024 school year:

Printed name and title of person completing this form: _____

Signature of person completing this form: _____



Computer Science Expansion Data Report 2023

School Information

In accordance with Act 2019-389, schools shall annually submit the following to the Alabama State Department of Education no later than September 30 each year.

Complete pages 2 and 3 for each **middle and/or high school** with computer science courses during the 2023-2024 school year. Data reporting includes the number of students enrolled in each computer science course; the number of teachers that participated in high-quality professional learning in 2023; the number of students who scored three (3) or higher on AP Computer Science Exams in 2022-2023; and the number of students that earned dual enrollment credit in 2022-2023.

2023-2024 School Information:			
School		Grade Levels in the School	
School Principal		School Phone Number	

2023-2024 Course Information:

Provide student enrollment numbers for each of the Computer Science (CS) courses for the **2023-2024** school year.

High School Courses										
Computer Science SL, IB	Computer Science HL, IB	Computer Science, A, AP In-Person	Computer Science, A, AP ACCESS¹	Computer Science Principles, AP	Exploring Computer Science	Computer Science Essentials PLTW	Intro to Computer Science TEALS	Cybersecurity PLTW	Introduction to Digital Literacy and Computer Science - ACCESS¹	Programming Foundations
10159E10SL	10159E10HL	10157E1000	10157E1000	10019E1000	10012G1001	10013G1000	10012G1002	10016G1000	10011G1000	10152G1001

Middle School Courses						
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Computer Science Discoveries In-Person	Computer Science Discoveries ACCESS¹	Computer Science Endeavors	Computer Science and Society	CS Makers	App Creators PLTW	Computer Science for Innovators & Makers PLTW
10012G0608	10012G0608	10012G0606	10012G0808	10013G0808	10099G6800	10099G6801

2023-2024 Teacher Information:	
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Approved professional development providers include: A+ College Ready, PACS, College Board, ECS4Alabama, CS Makers, PLTW, TEALS, and IB.

	The number of teachers teaching a high-quality computer science course (See course list above).
	The number of middle and/or high school teachers that began implementing CS as a result of attending a high-quality CS professional learning activity by a state-approved provider during the summer of 2023. (Teachers teaching CS for the first time.)
	The number of teachers attending a high-quality CS professional learning activity by a state-approved provider during the summer of 2023 who were already teaching high-quality CS courses at the middle or high school level. (Teachers who previously taught CS but received formal training for a CS course during the summer of 2023.)

2023-2024 Student Information:	
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	The number of students enrolled in high-quality CS courses <i>taught by a teacher trained in a high-quality professional activity by a state-approved provider.</i>
	The number of students enrolled in a high-quality CS course through a standalone career tech center.
	The number of students enrolled in a high-quality CS course through dual enrollment.
	The number of students enrolled in a high-quality CS course through a virtual or distance learning course option. ¹

¹ For any students offered a high-quality CS course through virtual or distance learning course option, submission to ALSDE must include an assurance that these settings shall continue to work towards in-person course options where students are taught by a trained teacher and a rationale for using the virtual or DL option.



Computer Science Expansion Data Report 2023

School Information - Continued

In accordance with Act 2019-389, schools shall annually submit the following to the Alabama State Department of Education no later than September 30 each year.

School (cont.) _____

2022-2023 AP Exam Information:

	The number of students with a score of three (3) or above on AP exams for high school AP CS courses.
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Aggregate data by gender, racial, and socioeconomic diversity of students with a score of three or above on AP exams for high school AP CS courses.

Male (AP)	Female (AP)	American Indian/ Alaska Native (AP)	Asian (AP)	Black (AP)	Native Hawaiian/ Pacific Islander (AP)	White (AP)	Hispanic/ Latino (AP)	2 or More Races (AP)	Free/ Reduced Lunch (AP)

2022-2023 Dual Enrollment Information:

	The number of students who earned postsecondary graduate credit in a CS course through dual enrollment.
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Aggregate data by gender, racial, and socioeconomic diversity of students who earned postsecondary graduate credit for completing a CS dual enrollment course provided by an institution of higher education physically located in the state while that student is enrolled in high school.

Male (DE)	Female (DE)	American Indian/ Alaska Native (DE)	Asian (DE)	Black (DE)	Native Hawaiian/ Pacific Islander (DE)	White (DE)	Hispanic/ Latino (DE)	2 or More Races (DE)	Free/ Reduced Lunch (DE)