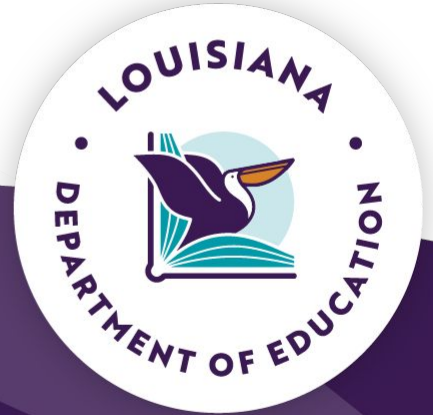


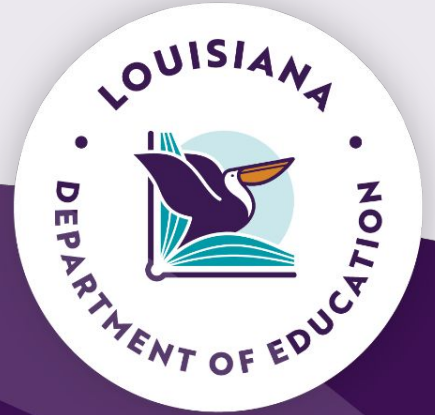
# K-12 Computer Science Standards Writing Steering Committee

Claiborne Building | Thomas Jefferson Room 1-136 | 1201 North Third Street, Baton Rouge, LA 70802

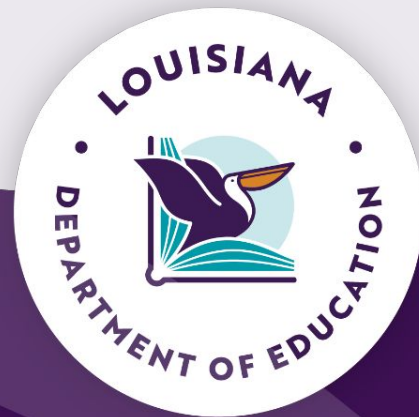


August 27, 2024

# Call to Order



# Roll Call



# Agenda



# Agenda

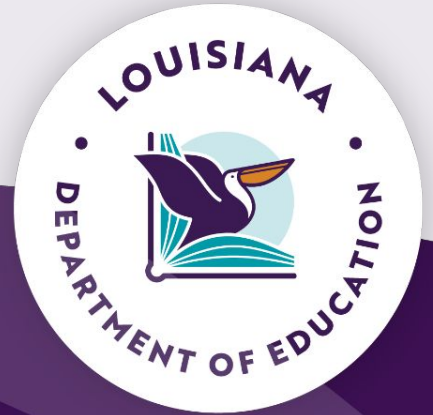
- I. Call to Order
- II. Roll Call
- III. Approval of minutes of the meeting held August 13, 2024
- IV. Consideration of a summary report regarding the final grade band workgroup recommendations for computer science content standards
- V. Consideration of K-12 computer science standards draft



# Approval of minutes of the meeting held August 13, 2024



# Consideration of a summary report regarding the final grade band workgroup recommendations for computer science content standards



# General Feedback

- All workgroups had feedback on adding precision to the standards.
- Suggestions for the refinement of the glossary were provided from all three workgroups.
- There were 6 specific standards that the workgroups amended, reorganized, or changed.



# Concept 1: Computing Systems

## Subconcept 1: Hardware and Software

Grade Band	Standard	Version Status
9-12	1B. Compare and contrast levels of interactions between an application's software, system's software, and hardware layers.	Removed
	<b>1B. Analyze the levels of interactions between application software and system software as well as the hardware layers.</b>	<b>Proposed replacement standard</b>

# Concept 2: Networks and the Internet

## Subconcept 1: Hardware and Network Communication

Grade Band	Standard	Version Status
9-12	1A. Evaluate a network's scalability, reliability, and appropriateness by describing the relationship between routers, switches, devices, topology, and addressing (MAC, IP, Subnet, Gateway).	Maintained
	<b>1B. Compare and contrast levels of interactions between an application's software, system's software, and hardware layers.</b>	<b>Deleted due to being a duplicate on sub concept 2C</b>
	1B. Illustrate how to trace data through a network model, explaining the interactions that occur throughout.	Maintained

# Concept 3: Data and Analysis

## Subconcept 1: Data Representation

Grade Band	Standard	Version Status
6-8	1A. Describe how different representations of real-world phenomena such as letters, numbers, and images are encoded as data.	Deleted from this subconcept and moved to Data Storage 3A
	1A. Evaluate the most efficient and effective ways to arrange, collect, and visually represent data to inform others.	Proposed replacement standard moved from Data Storage 3A
	1B. Analyze and explain the connection between data sets and their graphical representations .	Maintained

# Concept 3: Data and Analysis

## Subconcept 3: Data Storage

Grade Band	Standard	Version Status
6-8	<b>3A. Evaluate the most efficient and effective ways to arrange, collect, and visually represent data to inform others.</b>	<b>Deleted from this subconcept and moved to Data Representation 1A</b>
	<b>3A. Describe how different representations of real-world phenomena such as letters, numbers, and images are encoded as data.</b>	<b>Proposed replacement standard moved from Data Representation 1A</b>
	3B. Propose methods to back up data safely and the appropriate practices for data risk management.	Maintained

# Concept 4: Algorithms and Programming

## Subconcept 1: Variables and Algorithms

Grade Band	Standard	Version Status
9-12	1E. Identify and explain how a derived data type can be utilized in a real word scenario.	Proposed standard

# Concept 4: Algorithms and Programming

## Subconcept 4: Program Development

Grade Band	Standard	Version Status
9-12	<b>4E. Evaluate and iteratively refine computational artifacts to make them more usable and accessible (e.g., correctness, usability, readability, and program efficiency).</b>	Removed
	4E. Develop and utilize test cases to verify that a program performs according to its design specifications.	Maintained

# Consideration of K-12 computer science standards draft

