K-12 Computer Science Standards Writing Committee

December 13, 2023

History and Context

- Act 541 of the 2022 Regular Legislative Session created the Louisiana Computer Science Education Advisory Commission (CSEAC).

- On October 11, 2023, the Board of Elementary and Secondary Education (BESE) received CSEAC's report and directed the Louisiana Department of Education (LDOE) to begin the process for establishment of a content standards committee and creation of a state plan for computer science education.

Vision for K-12 Computer Science

Louisiana's vision for K-12 Computer Science Education is to increase **digital literacy skills** in all students through actively engaging with **progressional** computer science experiences that prepare students for success in society and with future **career** opportunities.

K-12 Computer Science Standard Setting Goals

Louisiana computer science (CS) standards should be comprehensive and prepare students for college and the workplace, as determined by educators, experts, and business and industry leaders.

Our graduates will:
- apply analytical and critical thinking skills to real-world situations,
- demonstrate digital literacy and digital citizenship, and
- utilize technology skills as employable citizens to meet present and future workforce needs.
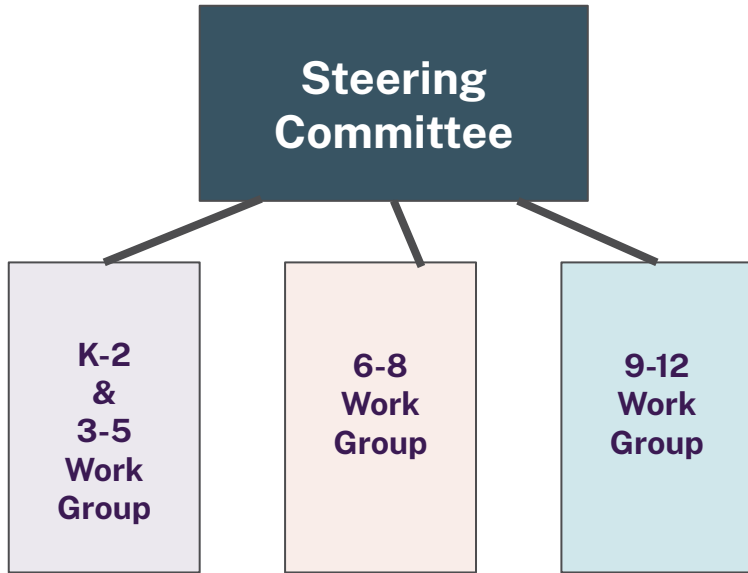
K-12 Computer Science Standards Setting Process

Utilizing a progressional Louisiana CS Framework and the CSEAC recommendations:

- Standards will be constructed by grade bands K-2, 3-5, 6-8, and 9-12.
- Standards will align vertically with increasing complexity.
- Standards will have real-world applications and be connected to careers.

K-12 CS Standards Committee: Organization and Roles

Steering Committee

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Steering
Committee
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| K-2 & 3-5 Work Group | 6-8 Work Group | 9-12 Work Group |

Steering Committee

- 9 members
- Guides process and updates
- ***Makes final recommendation to BESE***

Grade Band Work Group

- Reviews public comments
- Has members who serve on Steering Committee as well
- ***Drafts Standards***

Computer Science Steering Committee

- (1) K-5 Classroom Teacher
- (1) 6-8 Classroom Teacher
- (1) 9-12 Classroom Teacher
- (1) 9-12 CS Teacher of an Industry Based Credential Course
- (1) School System Leader
- (1) Business and Industry Representative
- (1) Higher Education Computer Science Representative
- (1) Higher Education Cybersecurity Representative
- (1) Parent/ Guardian

K-12 Computer Science Standards Work Groups

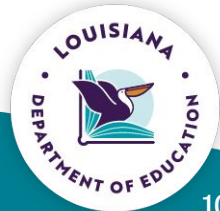| Grade Bands K-2 and 3-5	Grade Bands 6-8	Grade Bands 9-12
2 Classroom Teachers	2 Classroom Teachers	2 Classroom Teachers
1 Special Education Teacher	1 Special Education Teacher	2 Teachers from IBC CS courses
1 School System Leader	1 School System Leader	1 School System Leader
1 Business and Industry Representative	1 Business and Industry Representative	1 Business and Industry Representative
1 Parent/ Guardian	1 Parent/Guardian	1 Parent/Guardian
1 Higher Education Computer Science Representative	1 Higher Education Computer Science Representative	1 Higher Education Computer Science Representative
1 Higher Education Cybersecurity Representative	1 Higher Education Cybersecurity Representative	1 Higher Education Cybersecurity Representative
	1 Student from Grades 6-8	1 Student from Grades 9-12

Application Scoring Process

- Eight individuals from four different teams within the LDOE will review the applications and blind-score based upon a rubric.

- The rubric will be based upon the recommendations of CSEAC and the goals outlined.

- Ranked applications will be separated into regions to assure stakeholder representation from all across Louisiana.

K-12 Computer Science Standards Timeline

Month	Goal
January 2024	Application to serve is released.
April 2024	Committee member recommendations are submitted to BESE for approval.
April - July 2024	Committee convenings occur.
July - August 2024	K-12 CS standards are posted to receive public comment.
October 2024	Standards are presented for BESE consideration.
2024-2025	LDOE provides teacher training for implementation in the 2025-2026 school year.

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For more information or questions, please contact STEM@la.gov.

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