North Dakota Computer Science and Cybersecurity Content Standards Writing Committee
July 31-August 1, 2024
Bismarck Career Academy

AGENDA

Day 1: July 31, 2024

7:45   Registration and Networking

8:15   Introduction of committee members and staff

8:30   Welcome by Superintendent Baesler

9:00   Overview of roles and responsibilities (D. Eldredge, NDDPI)

9:15   Introduction to standards development (D. Eldredge, NDDPI)
- Purpose of Standards
- Design Elements
- Legislative Mandates

9:35   Guiding process for standards development (D. Eldredge, NDDPI)
- How will we work together? (Group working agreements)
- Proficiency level teams
- Review TEAMS and resources
  - Review of TEAMS
  - Comparable standards
  - Templates for documenting discussion points

9:40   Computer Science/Cybersecurity Integration Plan (S. Snow, NDDPI)
- Definition of how standards relate to the integration plan
- Explanation of how the North Dakota K-12 AI Guidance Framework relates to standards work

10:00 Break

10:20 Presentation and discussion on the Internet of Things and Basic Coding (J. Mattheis, EduTech)

11:30 Lunch on your own

12:15   Task 1: Current Computer Science and Cybersecurity Content Standards Analysis
- Points to consider:
  - Reflects current area research
  - Reflects ND priorities for content learning
  - Provides a user-friendly format
- What components should be retained?
- What components should be abandoned?

1:00   Presentation on AI (M. Creel, Executive Director of Curriculum and Educational Strategy, CODE.org)

2:00   Break

2:20   Introduce Task 2: Comparable standards review
a. Survey Results from the field
b. Brief overview of national standards (T. Teal, EduTech)
c. Review national standards and standards from other states
d. Points to consider as review standards:
  - Reflect current content area research
  - Reflect North Dakota priorities for content learning
  - Provide a user-friendly format
  - Components to consider for North Dakota

3:00   Presentation on Cybersecurity Standards and state of cybersecurity (C. Gardner, Senior Advisor for Workforce Development, Cyber Innovation Center)

4:05   Continue comparable standards review

4:20   Reflection on Day 1; planning for Day 2

4:30   Adjourn

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Day 2: August 1, 2024

8:00   Networking with colleagues

8:15   Welcome back, reflections on Day 1, and announcements

8:30   Discussion of standards reviews and survey results
- The committee will discuss the standards reviews and survey results and how they will influence the standards work; the information will be recorded in the TEAM

9:30   Introduce Task 3: Determine the Organizational Structure of Standards
- Groups will discuss the organization of standards based on analysis of ND Computer Science and Cybersecurity Standards, national standards, and standards of other states

10:00 Whole group discussion; document committee decisions

10:30 Break

10:50 Task 4: Determine Categories (whole group)
- Determine categories that will be used in new standards
- Write goals learners will meet by the time they graduate

11:30 Lunch on your own

12:15 Task 4: Determine Categories (whole group)
- Determine categories that will be used in new standards
- Write goals learners will meet by the time they graduate

1:15   Discuss the need for sub-categories
- Determine subcategories for each category and write goals for each (small groups)

2:15   Break

2:25   Discuss the need for sub-categories
- Determine subcategories for each category and write goals for each (small groups)

2:55   Progress check

3:40   Whole group discussion regarding sub-categories and goals

3:50   Reflection on Day 2; Planning for September meeting

4:00   Adjourn