Idaho CTE

Digital Literacy Essential Standards (2024)

Computer Science

Essential Standards

1. Create or modify a program that uses different forms of input and output. 9-12.CS.1.4
2. Create a model of how embedded systems sense, process, and interact in a given environment. 9-12.CS.1.6
3. Compare and contrast the viewpoints on cybersecurity from the perspective of security experts, privacy advocates, and the government. 9-12.CS.2.6
4. Identify and evaluate the beneficial and harmful effects of computing innovations on behavior and culture. 9-12.CS.3.4
5. Debate how the issues of equity, data access, and distribution of computing resources create a digital divide in a global society. 9-12.CS.3.5
6. Research and explain the social, moral, ethical, and legal impacts of artificial intelligence systems and respective usage. 9-12.CS.3.8
7. Design algorithms using sequence, selection, iteration and recursion. *Recursion will be addressed in an upper computer science course. 9-12.CS.5.2

Supporting Standards

1. Diagram the flow and execution and output of a given program. 9-12 CS.5.1
2. Explain the social and economic implications associated with unethical computing practices. 9-12.CS.3.2
3. Discuss trade-offs such as privacy, safety, and convenience associated with the collection and large-scale analysis of personal information. 9-12.CS.3.3
4. Understand and define artificial intelligence. 9-12.CS.3.7
5. Critically examine algorithms and design an original algorithm (adapt, remix, improve). 9-12.CS.5.23

Information Computer Tech

Essential Standards

1. Develop and manage their digital identity and understand the permanence of their digital actions including the effect on current and future reputation. 9-12.ICT.2.1

Demonstrate an understanding of the rights and obligations of using and sharing intellectual property. 9-12.ICT.2.3

Skip to main content

Supporting Standards

1. Maintain their digital security and understand data collection technology used to track their online activity. 9-12.ICT.2.4
2. Demonstrate responsible digital citizenship (legal and ethical behaviors) in the use of technology systems and software. 9-12.CS.3.1
3. Engage in positive, safe, legal and ethical behavior when using technology. 9-12.ICT.2.2
4. Manage personal data to maintain digital privacy and security and be conscious and aware of data-collection technology used to track and exploit navigation online. ODC.9-10.5
5. Demonstrate the responsible and ethical use of information and communication technologies by distinguishing between kinds of information that should and should not be publicly shared and describing the consequences of a poor decision. ODC.11-12.5

Digital Communications

Essential Standards

1. Integrate multiple sources of information presented in diverse digital media, evaluating the credibility and accuracy of each source. ODC.9-12.6.

Supporting Standards

1. Make strategic use of digital media presentations to enhance understanding of findings, reasoning, and evidence and to add interest. ODC.9-12.8