

Technology Graduation Requirements

Prior to receiving a graduation diploma from any Coeur d'Alene School District high school, all students will demonstrate that they can effectively use technology as a learning tool by satisfactorily meeting our Technology Graduation Requirements.

What are the Technology Graduation Requirements?

Students must pass technology literacy competencies in the following topics:

1. Computer Science
2. Creativity and Innovation
3. Communication and Collaboration
4. Research Skills and Critical Thinking
5. Digital Citizenship
6. Technology Operations and Concepts

Computer Science

Students develop computational thinking practices of algorithm development, problem solving and programming within the context of problems that are relevant to their lives. Students will need to:

1. Analyze the effects of developments in computing.
2. Design and implement creative solutions and artifacts.
3. Analyze their computational work and the work of others.
4. Connect computation with other disciplines.

Creativity and Innovation

Students demonstrate creative thinking, construct knowledge, and use information and communication technologies to develop innovative products and processes. Students will need to:

1. Evaluate and interpret existing knowledge to generate new ideas, products, or processes.
2. Create original works as a means of personal or group expression using multiple resources and formats.
3. Create models and simulations to explore complex systems and issues to identify trends and forecast possibilities.

Communication and Collaboration

Students use digital media and environments to communicate and work collaboratively to support individual learning and to contribute to the learning of others. Students will need to:

1. Inquire, interact, and publish with peers, experts, or others employing a variety of digital media and environments.

2. Collaborate with others using digital tools and media to identify issues and exchange ideas, develop new understandings, make decisions and/or solve problems.

Research Skills and Critical Thinking

Students exercise critical thinking to plan and conduct research using a variety of information resources including print, digital and other sources. Students will need to:

1. Design research questions and strategies based on information needs to solve an information problem or make an informed decision.
2. Evaluate and select a variety of resources to solve an information problem or make an informed decision.
3. Formulate specific searches using advanced navigation skills to access a variety of resources.
4. Collect, analyze, organize, and interpret data and information to make informed decisions, draw conclusions, and construct new understanding and knowledge.

Digital Citizenship

Students understand human, cultural, and societal issues related to information and communication technologies and practice legal and ethical behavior. Students will need to:

1. Advocate for, practice and explain importance of safe, ethical, legal, and responsible use of information and technology.
2. Practice and explain importance of citing information sources.
3. Exhibit leadership for digital citizenship.

Technology Operations and Concepts

Students demonstrate a sound understanding of technology concepts, systems, and operations.

Students will need to:

1. Evaluate, configure, and implement various technologies.
2. Select, use and integrate various software applications.
3. Troubleshoot technology systems and software applications.
4. Integrate new technologies into current knowledge and practices.

Procedure History:

Promulgated on: 4/4/16

Revised on:

Based on the [Idaho State Information & Communication Standards](#) approved in 2013, as well as the goals and practices of the Exploring Computer Science curriculum.