

COMPUTER SUPPORT PROGRAM STANDARDS

2015

Approved by the State
Board of Education
August 2018

CONTENT STANDARD 1.0: PC HARDWARE

Performance Standard 1.1: Students Will Be Able To Identify, Install, and Configure PC Hardware

- 1.1.1 Identify and understand motherboards and related components.
- 1.1.2 Identify and understand RAM types and features.
- 1.1.3 Identify and understand expansion card uses and differences.
- 1.1.4 Understand differences and use of storage devices and media types.
- 1.1.5 Identify and understand CPU types and features.
- 1.1.6 Learn about Power Supply Units.
- 1.1.7 Demonstrate custom configurations per customer needs.

CONTENT STANDARD 2.0: NETWORKING TECHNOLOGIES

Performance Standard 2.1: Students Will Be Able To Identify and Explain Networking Technologies

- 2.1.1 Identify network cables and connectors and their characteristics.
- 2.1.2 Explain TCP/IP characteristics and properties.
- 2.1.3 Identify and understand the use of common TCP / UDP ports, protocols, and their characteristics.
- 2.1.4 Understand wireless networking standards and encryption types.
- 2.1.5 Demonstrate installation, configuration, and deployment of a Home office network.
- 2.1.6 Understand and explain different Internet connection types and features.
- 2.1.7 Understand different network devices, their functions, and features.
- 2.1.8 Identify and understand the use of connector types and associated cables.
- 2.1.9 Demonstrate the appropriate use of networking tools.

CONTENT STANDARD 3.0: LAPTOPS

Performance Standard 3.1: Students Will Be Able To Identify, Install, and Configure Laptop and Related Hardware

- 3.1.1 Demonstrate custom configurations per customer needs.
- 3.1.2 Install and configure laptop hardware and components.
- 3.1.3 Compare and contrast the components within the display of a laptop.
- 3.1.4 Compare and contrast laptop features.

CONTENT STANDARD 4.0: PRINTERS

Performance Standard 4.1: Students Will Be Able To Explain The Differences Between The Various Printer Types and Understand The Associated Imaging Process

- 4.1.1 Demonstrate the installation and configuration of various printers and associated hardware.
- 4.1.2 Given a scenario, install and configure printers.
- 4.1.3 Demonstrate and explain perform printer maintenance.

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CONTENT STANDARD 5.0: WORKPLACE READINESS

Performance Standard 5.1: Students Will Learn and Demonstrate Workplace Readiness Skills

- 5.1.1 Understand and demonstrate appropriate safety procedures.
- 5.1.2 Understand and explain the impact of environmental controls.
- 5.1.3 Understand and demonstrate proper communication and professionalism.
- 5.1.4 Understand the fundamentals of dealing with prohibited content/activity.

CONTENT STANDARD 6.0: OPERATING SYSTEMS

Performance Standard 6.1: Students Will Develop an Understanding of Microsoft Windows Operating Systems

- 6.1.1 Understand the features and requirements of various Microsoft operating systems.
- 6.1.2 Demonstrate how to install, upgrade, and configure the operating system.
- 6.1.3 Understand and demonstrate the use of command line tools.
- 6.1.4 Understand and demonstrate Control Panel utilities and other operating system tools.
- 6.1.5 Understand Windows networking and configuration.
- 6.1.6 Understand and explain the differences in basic OS security settings.
- 6.1.7 Understand the basics of client-side virtualization.

CONTENT STANDARD 7.0: SECURITY

Performance Standard 7.1: Students Will Understand and Demonstrate How To Secure A Network and A Workstation

- 7.1.1 Understand the application and usage of common prevention methods.
- 7.1.2 Understand the differences in common security threats.
- 7.1.3 Demonstrate the implementation of best practices to secure a workstation.
- 7.1.4 Understand appropriate data destruction and disposal methods.
- 7.1.5 Understand and demonstrate how to secure a Home office wired and wireless network.

CONTENT STANDARD 8.0: MOBILE DEVICES

Performance Standard 8.1: Students Will Develop an Understanding of Mobile Devices

- 8.1.1 Understand the basic features of mobile operating systems.
- 8.1.2 Understand the basic network connectivity and configuring email.
- 8.1.3 Demonstrate the implementation of best practices to secure a workstation.
- 8.1.4 Understand how to secure mobile devices.
- 8.1.5 Understand and recognize differences in tablets and laptops.
- 8.1.6 Understand the configuration of mobile device synchronization.

CONTENT STANDARD 9.0: TROUBLESHOOTING TECHNIQUES

Performance Standard 9.1: Students Will Demonstrate Proper OS and Workstation Troubleshooting Techniques

- 9.1.1 Troubleshoot common problems with PC Hardware with the appropriate tools.

- 9.1.2 Troubleshoot hard drives and RAID with appropriate tools.
- 9.1.3 Troubleshoot video and displays.
- 9.1.4 Troubleshoot wired and wireless networks with appropriate tools.
- 9.1.5 Troubleshoot operating systems with appropriate tools.
- 9.1.6 Troubleshoot common laptop issues with appropriate tools.
- 9.1.7 Troubleshoot printers with appropriate tools.
- 9.1.8 Troubleshoot common security issues with appropriate tools and best practices.

CONTENT STANDARD 10.0: INDUSTRY TRENDS

Performance Standard 10.1: Students Will Understand Current and Emerging Computer Based Technologies

- 10.1.1 Demonstrate an understanding of the constant change of emerging technologies.

CONTENT STANDARD 1.0: HISTORY, EVOLUTION, AND CURRENT TRENDS OF TECHNOLOGY

Performance Standard 1.1: The Role And Development of Journalism in Past, Present Cultures and Current Trends

- 1.1.1 Write a critique of a well-known journalist.
- 1.1.2 Describe the significance of influential historical journalists.
- 1.1.3 Research significant developments, advancements and current trends in the evolution of journalism.
- 1.1.4 Identify key people and major developments involved in the advancement of online journalism (news organizations, online media such as magazines, newspapers and social media).
- 1.1.5 Compare characteristics of journalism, within a particular historical period, including the following: style, ideas, issues, or themes in the humanities, sciences or world events.
- 1.1.6 Demonstrate knowledge of current events and shows ability to follow reputable news sources/media in order to stay informed.

CONTENT STANDARD 2.0: LEGAL AND ETHICAL ISSUES RELATED TO JOURNALISM

Performance Standard 2.1: Understanding ethical issues related to the First Amendment

- 2.1.1 Analyze how the First Amendment, Bill of Rights, Idaho State Constitution with federal and state case law affect the rights and responsibilities of the press.
- 2.1.2 Compare and contrast the rights, responsibilities, and the role played by the free, independent press in a democratic society to maintain accuracy, balance, fairness, objectivity, and truthfulness.
- 2.1.3 Analyze and understand student expression under the First Amendment including protections and limitations including school district publication policies.

Performance Standard 2.2: Understanding Current Concepts and Legal Issues Affecting Journalism

- 2.2.1 Analyze historical and current cases related to censorship, copyright, libel and slander, obscenity and vulgar language, prior review, retraction and student expression.
- 2.2.2 Identify and understand ethical principles in print and online journalism, photojournalism, and design including confidentiality, fabrication, photo manipulation, off-the-record remarks, copyright infringement, plagiarism, and the use of anonymous sources.
- 2.2.3 Analyze ethical guidelines or codes of ethics and explain how they are integral in current professional organization such as Society of Professional Journalists, National Public Radio, Poynter Institute for Media Studies, and New York Times.
- 2.2.4 Analyze ethical guidelines or codes of ethics and explain how they are integral in current student organizations such as Journalism Education Association, National School Press Association Radio, Idaho Student Journalism Association.

**Performance Standard 2.3: Understanding Current Concepts and Legal Issues
Affecting Photojournalism**

- 2.3.1 The student demonstrates an understanding of the ethical and legal rights and responsibilities of creating and preparing photographs for publication and video for broadcast.
- 2.3.2 The student demonstrates an understanding of the rights of a photojournalist guaranteed by the First Amendment to the U.S. Constitution, the Idaho State Constitution, the Idaho state law, and the school district publication policy.
- 2.3.3 The student demonstrates an understanding of a photojournalist's responsibility to be fair, balanced, and accurate in taking photographs for publication and video for broadcast.
- 2.3.4 The student demonstrates knowledge of ethical behavior when preparing a photograph or video for publication.
- 2.3.5 The Student will not manipulate news photos or videos beyond what is routinely done in a digital editing program to improve image quality: cropping, color corrections, lightening or darkening. Photo illustrations: when used to support story content should be clearly labeled as such.
- 2.3.6 The student demonstrates an understanding of a photojournalist's responsibility to accurately label the action and subjects in any published photograph or broadcast image. Broadcast video images must be accurately labeled and described whether written or spoken. The student will not publish or broadcast a photo or video image out of context.

CONTENT STANDARD 3.0: TECHNOLOGY AND DESIGN

**Performance Standard 3.1: Students Use Principles, Elements, Techniques of
Media Design to Analyze, Navigate and Create Effective Aesthetically Pleasing
Media Formats**

- 3.1.1 Analyze elements and principles of graphic design to develop visual presentations that reinforce and enhance written messages with special attention to typography and layout.
- 3.1.2 Follow basic rules of graphic and online publication design related to layout.
- 3.1.3 Use and create photography, art or graphic art to accompany copy, enhance readability and appeal to a variety of audiences.
- 3.1.4 Analyze and use a variety of media formats that include online and evolving technologies.
- 3.1.5 Understand and use terminology related to photography, graphic design typography and publication such as signature, dummies, ladder font, graphics.

Performance Standard 3.2: Layout and Design

- 3.2.1 The student demonstrates the ability to design a layout for a publication, including the knowledge of design elements, graphic elements, and typography.
- 3.2.2 The student appropriately uses design elements to create a layout that is visually appealing and effectively communicates ideas to the reader.
- 3.2.3 The student uses various graphic elements (typography, photographs, whitespace, copy, and elements of art) to enhance the readability and attractiveness of the layout.

Performance Standard 3.3: Photography and Photojournalism

- 3.3.1 The student demonstrates the ability to produce photos and video clips for a publication/website.
- 3.3.2 The student's photographs and video clips show good technical quality. Photographs are sharp and clear. Black and white photographs have good contrast, and color photographs have good color saturation. Video clips must have a beginning, middle and end, demonstrate good storytelling as well as composition and lighting principles that enhance the story.
- 3.3.3 The content of student photographs and video clips have a strong center of interest and emphasizes action, emotion, or faces. Each picture or video clip endeavors to tell or illustrate the story.
- 3.3.4 The student effectively uses photographic and video techniques such as framing, leading lines, backlighting, and technology to enhance the quality and composition of the photographs and draw readers' attention. Photographs are candid and are shot from interesting perspectives. Videos include multiple angles and b-roll to add interest to the package.

CONTENT STANDARD 4.0: WRITING

Performance Standard 4.1: The Student Demonstrates The Ability to Write for a Journalistic Publication

- 4.1.1 The student demonstrates the knowledge of appropriate style (news, feature, reviews, editorials, online, social media, etc.), interviewing techniques, consideration of potential audience and purposes for writing, researching information from a variety of sources, and using the conventions of writing (e.g. grammar, punctuation, spelling).
- 4.1.2 The student appropriately uses the principles of fair, balanced, and accurate reporting. The student uses appropriate journalistic writing styles (e.g. news, features, opinions) to write for a variety of purposes.
- 4.1.3 The student conducts interviews and research to obtain accurate information.
- 4.1.4 The student supports the writing with appropriate attribution.
- 4.1.5 The student uses clear, precise language in writing.
- 4.1.6 The student uses style or technical manuals as references to correct and edit copy.

CONTENT STANDARD 5.0: SOCIAL MEDIA AND DIGITAL CITIZENSHIP

Performance Standard 5.1: Student Will Demonstrate an Understanding of Digital Citizenship in the Professional Journalism Industry

- 5.1.1 Student will understand how to utilize the social media platform for journalistic purposes.
- 5.1.2 Student will understand how each platform they are utilizing operates and adhere to guidelines specific to each platform.
- 5.1.3 Student will understand how to authenticate information gathered from social media platforms.
- 5.1.4 Student will demonstrate ability to create meaningful content for multiple social media platforms.

CONTENT STANDARD 6.0: MEDIA LEADERSHIP AND CAREER DEVELOPMENT

Performance Standard 6.1: Students Understand the Organization, Economics, and Management of Media Staffs

- 6.1.1 Student will analyze and evaluate leadership models used by media staffs and organizations.
- 6.1.2 Compare and contrast different areas of journalism (print, broadcast, online, blogging and social media, public relations and business, education) and explore educational requirements or work experiences necessary to pursue a career in each area.
- 6.1.3 Create online and digital portfolios that may include personal narrative summary of high school journalism experience, resumes or career goal statements, letters of recommendation, samples of best projects or work, recognition, awards, and certificates.