Idaho Information & Communication Technology: Grades 9-12 Only

Grades 9-12

LEVERAGING TECHNOLOGY	1	Leverage technology to collect, document and present digital works, enhancing the quality and accessibility of their creations. 9-12.ICT.1.1
	2	Build networks to leverage tools that support development of a personalized learning path. 9-12.ICT. 1.2
	3	Use technology to seek and give feedback that informs and improves the learning and development process. 9-12.ICT. 1.3
	4	Demonstrate the ability to select, use and troubleshoot current technologies and transfer their knowledge and skills to new technologies. 9-12.ICT.1.4
DIGITAL CITIZENSHIP	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
	2	Engage in positive, safe, legal and ethical behavior when using technology. 9-12.ICT.2.2
	3	Demonstrate an understanding of the rights and obligations of using and sharing intellectual property. 9-12.ICT.2.3
	4	Maintain their digital security and understand data collection technology used to track their online activity. 9-12.ICT.2.4
INFORMATION PROCESSING AND PRODUCTION	1	Utilize effective research strategies to plan and gather information from relevant sources. 9-12.ICT.3.1
	2	Evaluate the accuracy, perspective, credibility and relevance of information in any format. 9-12.ICT.3.2
	3	Create deliverables utilizing a variety of formats to demonstrate meaningful connections and conclusions from their research. 9-12.ICT.3.3
	4	Explore real-world issues and problems, develop ideas and theories while pursuing solutions. 9-12.ICT.3.4
INNOVATIVE DESIGNER	1	Know and use a deliberate design process for generating ideas, testing theories, creating innovative artifacts or solving authentic problems. 9-12.ICT.4.1

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	2 **Select and use digital tools to plan and manage a design process that considers design constraints and calculated risks.** 9-12.ICT.4.2
	3 **Develop, test and refine prototypes as part of a cyclical design process.** 9-12.ICT.4.3
	4 **Display a capacity to work with open-ended problems demonstrating perseverance and adaptability.** 9-12.ICT.4.4
COMPUTATIONAL THINKER	1 **Analyze problems, identifying opportunities to apply technological methods for solution development.** 9-12.ICT.5.1
	2 **Collect and identify relevant data to facilitate problem-solving and decision-making.** 9-12.ICT.5.2
	3 **Extract key information, breaking problems into identifiable parts to understand complex systems through research, analysis and feedback.** 9-12.ICT.5.3
	4 **Analyze data for patterns and create a sequence of procedures to design and evaluate automated solutions.** 9-12.ICT.5.4
CREATIVE COMMUNICATOR	1 **Choose the appropriate platforms and tools for meeting the desired objectives of their creation or communication.** 9-12.ICT.6.1
	2 **Generate innovative creations by either crafting original works or responsibly repurposing and remixing digital resources to form new compositions.** 9-12.ICT.6.2
	3 **Communicate detailed ideas clearly and effectively by creating or using a variety of deliverables.** 9-12.ICT.6.3
	4 **Publish or present content that customizes the message and medium for their intended audiences.** 9-12.ICT.6.4
GLOBAL COLLABORATOR	1 **Use digital tools to engage with diverse backgrounds and cultures, broadening mutual understanding and learning through these interactions.** 9-12.ICT.7.1
	2 **Use collaborative technologies to work with others, including peers, experts or community members, to examine issues and problems from diverse viewpoints.** 9-12.ICT.7.2
	3 **Contribute constructively to project teams, assuming various roles and responsibilities to work effectively toward a common goal.** 9-12.ICT.7.3
	4 **Explore local and global issues and use collaborative technologies to work with others to investigate, develop new understandings, make decisions, and/or solve problems.** 9-12.ICT.7.4