Ohio Technology

Grades K-2

EMPOWERED LEARNER: Students leverage technology to take an active role in choosing, achieving, and demonstrating competency in their learning goals, informed by the learning sciences.	**a** Students articulate and set personal learning goals, develop strategies leveraging technology to achieve them and reflect on the learning process itself to improve learning outcomes. 9-12.EL.1.A
	b Students build networks and customize their learning environments in ways that support the learning process. 9-12.EL.1.B
	c Students use technology to seek feedback that informs and improves their practice and to demonstrate their learning in a variety of ways. 9-12.EL.1.C
	d Students understand the fundamental concepts of how technology works, demonstrate the ability to choose and use current technologies effectively, and are adept at thoughtfully exploring emerging technologies. 9-12.EL.1.D
DIGITAL CITIZEN: Students recognize the responsibilities and opportunities for contributing to their digital communities, including making safe, legal, and ethical decisions using Artificial Intelligence.	**a** Students manage their digital identity, understand the lasting impact of their online behaviors on themselves and others, and make safe, legal, and ethical decisions in the digital world. 9-12.DC.2.A
	b Students demonstrate empathetic, inclusive interactions online and use technology to contribute responsibly to their communities. 9-12.DC.2.B
	c Students safeguard their well-being by being intentional about what they do online and how much time they spend online. 9-12.DC.2.C
	d Students take action to protect their digital privacy on devices and manage their personal data and security while online. 9-12.DC.2.D
KNOWLEDGE CONSTRUCTOR: Students critically curate a variety of resources using digital tools, such as Artificial Intelligence chatbots, to construct knowledge, produce creative artifacts, and make meaningful learning experiences for themselves and others.	**a** Students plan and employ effective research strategies to locate information and other resources for their intellectual or creative pursuits. 9-12.KC.3.A
	b Students evaluate the accuracy, perspective, credibility, and relevance of information, media, data, or other resources. 9-12.KC.3.B
	c Students curate information from digital resources using a variety of tools and methods to create collections of artifacts that demonstrate meaningful connections or conclusions. 9-12.KC.3.C
	d Students build knowledge by actively exploring real-world issues and problems, developing ideas and theories, and pursuing answers and solutions. 9-12.KC.3.D

INNOVATIVE DESIGNER: Students use a variety of technologies within a design process to identify and solve problems by creating new, useful, or imaginative solutions.	**a**	**Students know and use a deliberate design process for generating ideas, testing theories, creating innovative artifacts, or solving authentic problems.** 9-12.ID.4.A.
	b	**Students select and use digital tools to plan and manage a design process that considers design constraints and calculated risks.** 9-12.ID.4.B.
	c	**Students develop, test, and refine prototypes as part of a cyclical design process.** 9-12.ID.4.C.
	d	**Students exhibit a tolerance for ambiguity, perseverance, and the capacity to work with open-ended problems.** 9-12.ID.4.D.
COMPUTATIONAL THINKER: Students develop and employ strategies for understanding and solving problems in ways that leverage the power of technological methods to develop and test solutions.	**a**	**Students formulate problem definitions suited for technology-assisted methods such as data analysis, abstract models, and algorithmic thinking in exploring and finding solutions.** 9-12.CT.5.A
	b	**Students collect data or identify relevant data sets, use digital tools to analyze them, and represent data in various ways to facilitate problem-solving and decision-making.** 9-12.CT.5.B
	c	**Students break problems into component parts, extract key information, and develop descriptive models to understand complex systems or facilitate problem-solving.** 9-12.CT.5.C
	d	**Students understand how automation works and use algorithmic thinking to develop a sequence of steps to create and test automated solutions.** 9-12.CT.5.D
CREATIVE COMMUNICATOR: Students communicate clearly and express themselves creatively for a variety of purposes, such as AI prompt engineering, using platforms, tools, styles, formats, and digital media appropriate to their goals.	**a**	**Students choose the appropriate platforms and tools for meeting the desired objectives of their creation or communication.** 9-12.CC.6.A
	b	**Students create original works or responsibly repurpose or remix digital resources into new creations.** 9-12.CC.6.B
	c	**Students communicate complex ideas clearly and effectively by creating or using a variety of digital objects such as visualizations, models, or simulations.** 9-12.CC.6.C
	d	**Students publish or present content that customizes the message and medium for their intended audiences.** 9-12.CC.6.D
GLOBAL COLLABORATOR: Students use digital tools to broaden their perspectives and enrich their learning by collaborating with	**a**	**Students use digital tools to connect with learners from a variety of backgrounds and cultures, engaging with them in ways that broaden mutual understanding and learning.** 9-12.GC.7.A
	b	**Students use collaborative technologies to work with others, including peers, experts, or community members, to examine issues and problems from multiple viewpoints.** 9-12.GC.7.B

others and working effectively in teams locally and globally.

c **Students contribute constructively to project teams, assuming various roles and responsibilities to work effectively toward a common goal.** `9-12.GC.7.C`

d **Students explore local and global issues and use collaborative technologies to work with others to investigate solutions.** `9-12.GC.7.A`