Iowa 21st Century Skills

Technology Literacy: Grades 3, 4, 5

Adopted 2010

Use technology resources to create original products, identify patterns and problems, make predictions, and propose solutions.	• **Demonstrate creative thinking to generate new ideas and products using a variety of technology tools and resources.** • **Create and share new ideas, products, and processes related to curriculum content.** • **Work individually and collaboratively to create, display, publish, or perform media-rich products.** • **Use models and simulations to identify problems and propose solutions.** • **Use technology resources to gather and depict data, recognize trends, and project outcomes.**
Use interactive technologies in a collaborative group to produce digital presentations or products in a curricular area.	• **Use a variety of technology tools to work collaboratively with others inside and outside the classroom.** • **Use telecommunication tools efficiently to communicate information and ideas to multiple audiences.** • **Access remote information using technology.** • **Engage in learning activities with learners from other countries and/or cultures** • **Appropriately contribute to project teams to produce original works or solve problems using technology.**
Utilize digital tools and resources to investigate real-world issues, answer questions, or solve problems.	• **Create a plan or process that utilizes digital tools and resources to investigate and answer issues, questions, or problems.** • **Locate, organize, and ethically use information from a variety of sources and media.** • **Access information for specific purposes, and assess the validity of the information source.** • **Identify, select, and organize data. Discuss and describe the results.**

Use technological resources to develop and refine questions for investigation.	• **Choosing from a variety of real-world issues and/or problems, use technological resources to develop and refine questions for investigation.** • **Use technological resources to conduct research and complete a project.** • **Identify trends or solutions or assist students in making decisions.** • **Identify and explore diverse perspectives and processes to find multiple solutions to problems.**
Understand and practice appropriate, legal, and safe uses of technology for lifelong learning.	• **Demonstrate awareness of the dangers of sharing personal information with others.** • **Demonstrate an understanding of what electronic theft and plagiarism are and why they are harmful.** • **Identify the positive values of using technology to accomplish tasks.** • **Use technology to explore and pursue personal interests.** • **Show others how to use new technologies, and use technology in a way that assists, rather than prevents, others from learning.**
Understand technology hardware and software system operations and their application.	• **Use everyday technology processes, hardware, and software** • **Select the most efficient and appropriate technology tool for a specific task.** • **Begin to identify the source of a problem with technology, and, if necessary, identify the appropriate support personnel.** • **Apply prior knowledge of technologies to new technologies.**