

Information and Technologies Literacy

K-8

Kindergarten:

- Learn the names of computer parts (A.1)
- Use the computer for basic operations (A.1)
- Explore different ways to use technology (A.2)
- Make a project using the computer (A.5)
- See how technology has changed our daily lives (B.1)
- Use information to answer a question (B.5)
- Participate in discussions and identify their individual interests (C.2)
- Work in cooperative groups using software to draw a picture or write a story (D.1)

Grade 1:

- Explore the different types of technology people use in their daily life (A.1)
- Use age appropriate technologies to gather information (A.1)
- Learn to create, open, save, print, and close a file (A.2)
- Use the internet to investigate and then create a project (A.5)
- Discuss how technology has changed people lives now and in the future (B.1)
- Select information that can be used to answer a question (B.5)
- Demonstrate increased responsibility and interest in learning (C.2)
- Work in a group to complete a project, using technology, to share with the class (D.1)
- Discuss online safety (D.2)
- Examine appropriate and inappropriate use of technology (D.3)

Grade 2:

- Recognize and name major parts of a computer system and explain what the parts do (A.1)
- Identify uses for technology and recognize how information is kept safe (A.2)
- Organize, collaborate, locate information using technology tools (A.3)
- Identify strategies for locating information on the internet (A.4)
- Use technology tools to create and present information (A.5)
- List ways technology has changed our lives both now and in the future (B.1)
- Learn to perform basic searches on the internet (B.3)
- Learn to select information that best answers a question (B.4) (B.5)
- Create a project to communicate information using technology tools (B.6)
- Use technology resources to make an informed decision (C.1)
- Participate in a class discussion and select a topic to learn more about (C.2)
- Collaborate with other students to produce a project to share with the class using technology tools (D.1)
- Identify online safety rules (D.2)
- Discuss appropriate and inappropriate use of technology (D.3)
- Understand that having freedom to learn new things is valuable (D.4)

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Grade 3:

- Use a variety of, age-appropriate, technology vocabulary and equipment (A.1)
- Identify common media formats, and explore technological resources that will help satisfy a goal (A.2)
- Organize and create using computer software (A.3)
- Use and identify different strategies for locating information on the internet (A.4)
- Use media and technology tools to prepare and present information (A.5)
- Discuss ways technology has changed our lives both now and in the future (B.1)
- Locate and access information sources using search engines (B.3)
- Evaluate and select information from a variety of sources (B.4)
- Interpret and use information to solve a problem or answer a question (B.5)
- Create a project using technology tools and present it to an audience (B.6)
- Collect, organize, and evaluate information with technology tools (C.1)
- Select a topic, set a goal, develop a plan, and look back at the completed project's quality (C.2)
- Participate productively in a cooperative group using technology tools to prepare a product (D.1)
- Use information, media, and technology in a responsible way (D.2)
- Expand understanding of appropriate and inappropriate uses for technology (D.3)
- Respect the work of others by using age appropriate citing of sources (D.4)

Grade 4:

- Expand knowledge of proper use and care for computers (A.1)
- Recognize basic file menu commands, storage devices, and identify which software will be effective (A.2)
- Independently organize and create using computer software (A.3)
- Use search strategies to locate information on the internet (A.4)
- Use a variety of media and technology tools to create and present information (A.5)
- Look at new technology tools and select the best tool to complete a task (A.6)
- Define the need for information (B.1)
- Locate and access information on the internet (B.3)
- Follow guidelines to evaluate and select information from a variety of sources (B.4)
- Interpret information, use information, and seek more information when it is needed (B.5)
- Create and edit a product for presentation to an audience (B.6)
- Seek and evaluate information that can be used to help make decisions in everyday life (C.1)
- Select a topic, set a goal, develop a plan, and look back at the completed project's quality (C.2)
- Participate productively in a cooperative group using technology tools to prepare a product (D.1)
- Use information, media, and technology safely and responsibly (D.2)
- Show respect for the work of others by using technology appropriately (D.3) (D.4)

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Grade 5:

- Know how to use basic input and output devices and various age-appropriate technologies (A.1)
- Use appropriate technological vocabulary (A.1)
- Recognize basic file menu commands, storage devices, and identify which software will be effective (A.2)
- Proofread, edit, and create using technology tools both independently and collaboratively (A.3)
- Access and transmit information using a computer and communications software (A.4)
- Use technology tools make and present a project (A.5)
- Consider different technology tools and select the best tool for the task. (A.6)
- Define the need for information and how it has impacted life in the past and present, and how it may change life at work and at home in the future. (B.1)
- Be able to use searches to find a variety of resources to locate information. (B.3)
- Develop guidelines for evaluating information found on-line (B.4)
- Find information and apply it to solve a problem. (B.5)
- After researching create and edit a presentation for various audiences. (B.6)
- Discuss using technology to collaborate and promote lifelong learning. (C.1)
- Use technology to help make a decision. (C.1)
- Participate in discussion, select a topic of interest, develop a plan, carry it out, and evaluate your progress. (C.2)
- Use technology to share information. (D.1)
- Use the internet responsibly by identifying and exercising on-line safety techniques. (D.2)
- Respect the intellectual property rights. (D.3)
- Learn to list sources appropriately (D.4)

Grade 6:

- Use various media and technology vocabulary and equipment correctly (A.1)
- Recognize and identify various file formats. Then select most effective software. (A.2)
- Work with word processors, databases, and spreadsheets to organize and create. (A.3)
- Use the network to access, share files and send information. (A.4)
- Effectively use media and technology tools to prepare and present information. (A.5)
- Examine new technology and select the best tool for completing a task. (A.6)
- Explore ways that technology has changed both business and government (B.1)
- Enhance information seeking skills. (B.2)
- Locate needed information on the internet using a search engine. (B.4)
- Understand information and use it to solve a problem. (B.5)
- Conduct research to answer a question using an effective format. (B.6)
- Use technology to help make and informed decision. (C.1)
- Demonstrate increased responsibility for their learning. (C.2)
- Increase awareness of basic copyright laws related to technology. (D.3)
- Include age-appropriate citing with all work. (D.4)

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Grade 7:

- Use and discuss a variety of media formats, technology vocabulary, and equipment productively. (A.1)
- Explore different media formats and choose the application that is best suited to complete a task. (A.2)
- Demonstrate skill in using computer software to predict, strategize, evaluate and assist in the problem solving process. (A.3)
- Access files on a network and use software to enhance the final product before submitting the file for evaluation. (A.4)
- Collaborate, design, develop, and edit information productively. (A.5)
- Study new technology tools and select the best tool to complete a task. (A.6)
- Identify and examine the ways technology has changed business and government. (B.1)
- Advance skills in seeking information to solve real-world problems. (B.2)
- Use search engines and built-in searches to locate information. (B.3)
- Evaluate information in terms of bias and correctness. (B.4)
- Seek, interpret, and apply information to solve a problem. (B.5)
- Locate information and communicate findings. (B.6)
- Seek information to guarantee academic success. (C.1)
- Demonstrate self-motivation and responsibility for learning. (C.2)
- Explore assistive technologies and their benefits. (D.1)
- Describe need for ethical use of technology and consequences of unethical use. (D.2)
- Respect intellectual property rights and discuss related laws. (D.3)
- Include age-appropriate citing with all work. (D.4)

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Grade 8:

- Use and discuss a variety of media formats, technology vocabulary, and equipment productively. (A.1)
- Explore different media formats and choose the application that is best suited to complete a task. (A.2)
- Use a computer and software to organize and create information used to predict, evaluate and assist in problem solving. (A.3)
- Know how to exchange files across the network, using flash drive, or other devices. (A.4)
- Use a wide variety of application to create and present information effectively. (A.5)
- Evaluate the use of technology in a production or presentation. (A.6)
- Define the need for and use of technology in business and government both past and present. (B.1)
- Describe information and communication technology tools used for collecting information, analyzing findings, and drawing conclusions for addressing a real-world problem. (B.2)
- Demonstrate competence using search engines and built-in searches to locate information. (B.3)
- Evaluate and select information from print, non-print, and electronic formats. (B.4)
- Apply gathered information to synthesize a solution to a problem or to answer a question. (B.5)
- Effectively communicate research results. (B.6)
- Pursue information to increase personal well-being and academic success. (C.1)
- Become a model of self-motivation and academic pursuit. (C.2)
- Participate productively in collaborative work groups. (D.1)
- Identify e-commerce safety issues. (D.2)
- Demonstrate respect for the intellectual property rights of others. (D.3)
- Recognize the importance of intellectual freedom and access to information. (D.4)