

Sarasota County School Board: Educator Technology Standards

Standard 1: Technology Operations and Concepts

The educators will demonstrate

- a sound understanding of the nature and operation of technology systems.
- proficiency in the use of technology.

Goal	Objective
1.1 Make informed choices among technology systems, resources, and services.	1.1.1 The educator will observe and experience the use of technology in their areas of instruction. 1.1.2 The educator will connect and operate the computer technology needed to access information. 1.1.3 The educator will use guides, manuals, and Help Menus to connect and operate computer technology. 1.1.4 The educator will operate various pieces of hardware and software. 1.1.5 The educator will select and use appropriate software for professional and instructional outcomes. 1.1.6 The educator will model proper equipment care and the safe use of tools, materials, and processes. 1.1.7 The educator will demonstrate an understanding of current technology terminology (e.g., hard drive, RAM, videostreaming). 1.1.8 The educator will demonstrate proficiency in the prerequisite skills for technology integration.

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Standard 2: Social, ethical, legal and human issues

The educator will

- understand the ethical, cultural, and societal issues related to technology.
- practice responsible use of technology systems, information and software.
- develop positive attitudes toward technology uses that support lifelong learning, collaboration, personal pursuits, and productivity.

Goal	Objective
2.1. Identify capabilities and limitations of contemporary and emerging technology resources and assess the potential of these systems and services to address lifelong learning and workplace needs.	2.1.1 The educator will demonstrate how technology can be used to access information through the use of browsers, online public access library catalogs, and online services to complete an assigned task.
2.2 Make informed choices among technology systems, resources, and services.	2.2.1 The educator will locate and use appropriate technologies available in the school to impact student achievement.
2.3 Analyze advantages and disadvantages of widespread use and reliance on technology in the workplace and in society as a whole.	2.3.1 The educator will evaluate the impact of technology on society (e.g., product and process, markets, organizations, structures, or people).
2.4 Demonstrate and advocate for legal and ethical behaviors among peers, family, and community regarding the use of technology and information.	2.4.1 The educator will analyze and apply legal principles and ethical conduct in the use of information technology related to copyright, plagiarism, and public and private data. 2.4.2 The educator will model telecomputing etiquette when using e-mail, newsgroups, list serves, or other Internet functions. 2.4.3 The educator will model ethical behavior and acceptable practice in the use of technology and technological resources. 2.4.4 The educator will be aware of dangerous practices on the Internet. 2.4.5 The educator will review and understand district Acceptable Use Policy.

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Standard 3: Productivity and Professional Practice

The educator will

- use technology tools to enhance learning, increase productivity, and promote creativity.
- use productivity tools to collaborate in constructing technology-enhanced models, prepare publications, and produce other creative works.
- integrate grade level district technology standards in the teaching of curriculum and the development of student product outcomes.

Goal	Objective
<p>3.1 Use productivity tools to collaborate in constructing technology-enhanced models, prepare publications, digitize lesson plans, and produce other creative works.</p>	<p>3.1.1 The educator will produce and present multi-media products utilizing sound, graphics, charts, bulleted text, images, and multiple sources of information in non-linear formats.</p> <p>3.1.2 The educator will be able write a multi-page document incorporating advanced editing tools, multiple columns and graphics.</p> <p>3.1.3 The educator will demonstrate the use of both spreadsheets and databases to impact instruction.</p> <p>3.1.5 The educator will demonstrate the ability to select the best application to produce a needed result.</p>
<p>3.2 Investigate expert systems, intelligent agents, and simulations in real-world situations.</p>	<p>3.2.1 The educator will be able to guide research on expert and simulation systems.</p> <p>3.2.2 The educator will use content-specific tools (e.g. software, simulations, environmental probes, graphing calculators, exploratory environments, web tools) to support learning and research</p>
<p>3.3 Teach students to use technology to maximize productivity and effectiveness.</p>	<p>3.3.1 The educator will teach students to understand the components and uses of technology systems using the District's Technology Curriculum at the appropriate grade level.</p> <p>3.3.2 The educator will teach students to select and use appropriate technology tools and resources to perform a task using the District's Technology Curriculum at the appropriate grade level.</p>

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Standard 4: Technology Communication Tools

The educator will

- use telecommunications to collaborate, publish, and interact with peers, experts, and other audiences.
- use a variety of media and formats to communicate information and ideas effectively to multiple audiences including the home/school connection.

Goal	Objective
4.1 Use technology tools and resources for managing and communicating personal/professional information (e.g., finances, schedules, addresses, purchases, correspondence).	4.1.1 The educator will use technology to manage information (e.g., electronic gradebook, electronic calendar, student information database, etc.).
4.2 Routinely and efficiently use online information resources to meet needs for collaboration, research, publications, communications, and productivity.	4.2.1 The educator will demonstrate proficiency in the area of online research tools (e.g., Groliers, Ebsco, Sunlink, Marco Polo, etc.).
4.3 Select and apply technology tools for research, information analysis, problem solving, and decision-making in content learning.	4.3.1 The educator will demonstrate proficiency in the selection of appropriate technology resources 4.3.2 The educator will demonstrate proficiency in the use of online resources for data gathering and problem solving to impact student achievement.
4.4 Collaborate with peers, experts, and others to contribute to a content-related knowledge base by using technology to compile, synthesize, produce, and disseminate information, models, and other creative works.	4.4.1 The educator will share information and collaborate through data networks.

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Standard 5: Assessment And Evaluation

The educator will

- apply technology in assessing student learning of curriculum using a variety of assessment techniques.
- use technology tools to collect and process learning data and use reporting features to guide instructional decisions.
- evaluate and select new information resources and technological innovations based on the appropriateness for specific tasks.

Goal	Objective
5.1 Routinely and proficiently use digital information resources to meet needs for collaboration, research, publications, communications, and productivity.	5.1.1 The educator will routinely use online resources to collect and analyze data and communicate findings to impact student achievement. 5.1.2 The educator will apply multiple methods of evaluation to determine student achievement
5.2 Select and apply technology tools for research, information analysis, problem solving, and decision-making in content learning.	5.2.1 The educator will use data resources to guide instructional decisions (e.g., search techniques, student information systems, etc.).
5.3 Teach students to use a variety of technology tools to gather, interpret, evaluate, and apply information from various media.	5.3.1 The educator will teach students to use electronic resources to locate information using the District's Technology Curriculum at the appropriate grade level. 5.3.2 The educator will teach students to select relevant information through analysis and evaluation using the District's Information Literacy Continuum of Skills at the appropriate grade level. 5.3.3 The educator will teach students to organize and clarify information to create or develop a product using the District's Information Literacy Continuum of Skills at the appropriate grade level.

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Standard 6: Planning and Designing Learning Environments and Experiences

The educator will

- design and share appropriate learning opportunities to support the diverse needs of all learners and to facilitate higher-order thinking skills.
- apply current research on integrating technology into the learning experience.
- employ technology in the development of strategies for solving problems in the real world.
- plan for the management of technology resources and student learning in a technology-enhanced environment.

Goal	Objective
6.1 Routinely and efficiently use technology resources to meet needs for planning, research, integration, publications, communications, and productivity.	6.1.1 The educator will demonstrate proficiency in the use of online research tools (e.g., Grolier, SIRS, Ebsco, Newsbank). 6.1.2 The educator will plan and design lesson plans that effectively integrate technology resources into curriculum delivery. 6.1.3 The educator will apply technological solutions to real-world problems in the instructional setting.
6.2 Collaborate with peers, experts, and others to contribute to a content-related knowledge base by using technology to compile, synthesize, produce, and disseminate information, models, and other creative works.	6.2.1 The educator will collaborate with others to develop project-based learning opportunities for students.
6.3 Teach students to use a variety of technology tools to communicate effectively and creatively.	6.3.1 The educator will teach students to produce documents using the District's Technology Curriculum at the appropriate grade level. 6.3.2 The teacher will teach students to share information and collaborate through data networks, the Intranet, the Internet, and global telecommunications using the District's Technology Curriculum at the appropriate grade level. 6.3.3 The teacher will teach students to create, refine, publish, and communicate ideas using multimedia tools as defined in the District's Technology Curriculum.