

Technology Applications, Kindergarten-Grade 2.

(1) The technology applications curriculum has four strands: foundations, information acquisition, work in solving problems, and communication.

(2) Through the study of technology applications foundations, including technology-related terms, concepts, and data input strategies, students learn to make informed decisions about technologies and their applications. The efficient acquisition of information includes the identification of task requirements; the plan for using search strategies; and the use of technology to access, analyze, and evaluate the acquired information. By using technology as a tool that supports the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create a solution, and evaluate the results. Students communicate information in different formats and to diverse audiences. A variety of technologies will be used. Students will analyze and evaluate the results.

(K-2.1) Foundations. The student demonstrates knowledge and appropriate use of hardware components, software programs, and their connections. The student is expected to:

(A) use technology terminology appropriate to the task and grade level

(B) start and exit programs as well as create, name, and save files

(C) use networking terminology such as on-line, network, or password and access remote equipment on a network such as a printer.

(K-2.2) Foundations. The student uses data input skills appropriate to the task. The student is expected to:

(A) use a variety of input devices such as mouse, keyboard, disk drive, CD-ROM or touch screen; as well as a calculator

(B) use proper keyboarding techniques such as correct hand and body positions and smooth and rhythmic keystroke patterns as grade-level appropriate;

(C) demonstrate touch keyboarding techniques for operating the alphabetic, numeric, punctuation, and symbol keys as grade-level appropriate;

(D) produce documents at the keyboard, proofread, and correct errors; and

(E) use language skills including capitalization, punctuation, spelling, word division, and use of numbers and symbols as grade-level appropriate.

(K-2.3) Foundations. The student complies with the laws and examines the issues regarding the use of technology in society. The student is expected to:

(A) follow acceptable use policies when using computers; and

(B) model respect of intellectual property by not illegally copying software or another individual's electronic work.

(K-2.4) Information acquisition. The student uses a variety of strategies to acquire information from electronic resources, with appropriate supervision. The student is expected to:

(A) apply keyword searches to acquire information (gr. 1/2)

(B) select appropriate strategies to navigate and access information for research and resource sharing (gr. 2)

(K-2.5) Information acquisition. The student acquires electronic information in a variety of formats, with appropriate supervision. The student is expected to:

(A) acquire information including text, audio, video, and graphics; and

(B) use on-line help (gr. 2)

(K-2.6) Information acquisition. The student evaluates the acquired electronic information. The student is expected to:

(A) determine the success of strategies used to acquire electronic information; and

(B) determine the usefulness and appropriateness of digital information.

(K-2.7) Solving problems. The student uses appropriate computer-based productivity tools to create and modify solutions to problems. The student is expected to:

(A) use software programs with audio, video, and graphics to enhance learning experiences; and

(B) use appropriate software, including the use of word processing and multimedia, to express ideas and solve problems (gr. 1/2)

(K-2.8) Solving problems. The student uses research skills and electronic communication, with appropriate supervision, to create new knowledge. The student is expected to:

(A) use communication tools to participate in group projects (gr. 2)

(B) use electronic tools and research skills to build a knowledge base regarding a topic, task, or assignment (gr. 2)

(K-2.9) Solving problems. The student uses technology applications to facilitate evaluation of work, both process and product. The student is expected to:

(B) use software features, such as slide show previews, to evaluate final product (gr. 2)

(K-2.10) Communication. The student formats digital information for appropriate and effective communication. The student is expected to:
(A) use font attributes, color, white space, and graphics to ensure that products are appropriate for the defined audience (gr. 1/2)
(B) use font attributes, color, white space, and graphics to ensure that products are appropriate for the communication media including multimedia screen displays and printed materials (gr. 2)
(K-2.11) Communication. The student delivers the product electronically in a variety of media, with appropriate supervision. The student is expected to:
(A) publish information in a variety of media including, but not limited to, printed copy or monitor display; and
(B) publish information in a variety of media including, but not limited to, stored files or video (gr. 1/2)
(K-2.12) Communication. The student uses technology applications to facilitate evaluation of communication, both process and product. The student is expected to:
(A) select representative products to be collected and stored in an electronic evaluation tool; and
(B) evaluate the product for relevance to the assignment or task.
Source: The provisions of this §126.2 adopted to be effective September 1, 1998, 22 TexReg 5203.