

Chapter 126. Texas Essential Knowledge and Skills for Technology Applications

Subchapter B. Middle School

§126.12. (c) (1) **Foundations.** The student demonstrates knowledge and appropriate use of hardware components, software programs, and their connections. The student is expected to:

- §126.12. (c) (1) (A) demonstrate knowledge and appropriate use of operating systems, software applications, and communication and networking components;
- §126.12. (c) (1) (B) compare, contrast, and appropriately use the various input, processing, output, and primary/secondary storage devices;
- §126.12. (c) (1) (D) delineate and make necessary adjustments regarding compatibility issues including, but not limited to, digital file formats and cross platform connectivity;
- §126.12. (c) (1) (E) use technology terminology appropriate to the task;

§126.12. (c) (5) **Information acquisition.** The student acquires electronic information in a variety of formats, with appropriate supervision. The student is expected to:

- §126.12. (c) (5) (A) identify, create, and use files in various formats such as text, bitmapped/vector graphics, image, video, and audio files;
- §126.12. (c) (5) (B) demonstrate the ability to access, operate, and manipulate information from secondary storage and remote devices including CD-ROM/laser discs and on-line catalogs; and
- §126.12. (c) (5) (C) use on-line help and other documentation.

§126.12. (c) (7) **Solving problems.** The student uses appropriate computer-based productivity tools to create and modify solutions to problems. The student is expected to:

- §126.12. (c) (7) (D) demonstrate proficiency in the use of multimedia authoring programs by creating linear or non-linear projects incorporating text, audio, video, and graphics;
- §126.12. (c) (7) (F) differentiate between and demonstrate the appropriate use of a variety of graphic tools found in draw and paint applications;
- §126.12. (c) (7) (J) use foundation and enrichment curricula in the creation of products.

§126.12. (c) (8) **Solving problems.** The student uses research skills and electronic communication, with appropriate supervision, to create new knowledge. The student is expected to:

- §126.12. (c) (8) (D) use technology in self-directed activities by sharing products for defined audiences; and

§126.12. (c) (10) **Communication.** The student formats digital information for appropriate and effective communication. The student is expected to:

- §126.12. (c) (10) (A) use productivity tools to create effective document files for defined audiences such as slide shows, posters, multimedia presentations, newsletters, brochures, or reports;

§126.12. (c) (10) (D) demonstrate appropriate use of fonts, styles, and sizes, as well as effective use of graphics and page design to effectively communicate; and

§126.12. (c) (11) **Communication.** The student delivers the product electronically in a variety of media, with appropriate supervision. The student is expected to:

§126.12. (c) (11) (A) publish information in a variety of ways including, but not limited to, printed copy, monitor display, Internet documents, and video;

§126.12. (c) (11) (B) design and create interdisciplinary multimedia presentations for defined audiences including audio, video, text, and graphics; and

§126.12. (c) (11) (C) use telecommunication tools for publishing such as Internet browsers, video conferencing, or distance learning.

§126.12. (c) (12) **Communication.** The student uses technology applications to facilitate evaluation of communication, both process and product. The student is expected to:

§126.12. (c) (12) (B) determine and employ technology specifications to evaluate projects for design, content delivery, purpose, and audience, demonstrating that process and product can be evaluated using established criteria or rubrics;

§126.12. (c) (12) (D) evaluate the product for relevance to the assignment or task.

§110.23. English Language Arts and Reading, Grade 7.

§110.24. English Language Arts and Reading, Grade 8.

(15) Writing/purposes. The student writes for a variety of audiences and purposes and in a variety of forms. The student is expected to:

(A) write to express, discover, record, develop, reflect on ideas, and to problem solve (4-8);

(C) write to inform such as to explain, describe, report, and narrate (4-8);

(D) write to entertain such as to compose humorous poems or short stories (4-8);

(E) select and use voice and style appropriate to audience and purpose (6-8);

(F) choose the appropriate form for his/her own purpose for writing such as journals, letters, editorials, reviews, poems, memoirs, narratives, and instructions (7-8);

(G) use literary devices effectively such as suspense, dialogue, and figurative language (5-8); and

(H) produce cohesive and coherent written texts by organizing ideas, using effective transitions, and choosing precise wording (6-8).

(16) Writing/penmanship/capitalization/punctuation/spelling. The student composes original texts, applying the conventions of written language such as capitalization, punctuation, handwriting, penmanship and spelling to communicate clearly. The student is expected to:

- (A) write legibly by selecting cursive or manuscript as appropriate (4-8);
- (B) capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using hyphens, semicolons, colons, possessives, and sentence punctuation (6-8);
- (C) spell derivatives correctly by applying the spellings of bases and affixes (7-8);
- (D) spell frequently misspelled words correctly such as *their*, *they're*, and *there* (7-8);
- (E) use resources to find correct spellings (4-8);
- (F) spell accurately in final drafts (4-8); and
- (G) understand the influence of other languages and cultures on the spelling of English words (6-8).

(17) Writing/grammar/usage. The student applies standard grammar and usage to communicate clearly and effectively in writing. The student is expected to:

- (A) write in complete sentences, varying the types such as compound and complex sentences, and use appropriately punctuated independent and dependent clauses (7-8);
- (B) use conjunctions to connect ideas meaningfully (4-8);
- (C) employ standard English usage in writing for audiences, including subject-verb agreement, pronoun referents, and parts of speech (4-8);
- (D) use adjectives (comparatives and superlatives forms) and adverbs appropriately to make writing vivid or precise (4-8);
- (E) use prepositional phrases to elaborate written ideas (4-8);
- (F) use verb tenses appropriately and consistently such as present, past, future, perfect, and progressive (6-8);
- (G) write with increasing accuracy when using apostrophes in contractions such as *won't* and possessives such as *Smith's* (4-8); and
- (H) write with increasing accuracy when using pronoun case such as "She had the party." (6-8).

(18) Writing/writing processes. The student selects and uses writing processes for self-initiated and assigned writing. The student is expected to:

- (A) generate ideas and plans for writing by using prewriting strategies such as brainstorming, graphic organizers, notes, and logs (4-8);
- (E) edit drafts for specific purposes such as to ensure standard usage, varied sentence structure, and appropriate word choice (4-8);
- (F) use available technology to support aspects of creating, revising, editing, and publishing texts (4-8);
- (G) refine selected pieces frequently to "publish" for general and specific audiences (4-8);
- (H) proofread his/her own writing and that of others (4-8); and

(19) Writing/evaluation. The student evaluates his/her own writing and the writings of others. The student is expected to:

- (A) apply criteria to evaluate writing (4-8);

(B) respond in constructive ways to others' writings (4-8);

(24) Viewing/representing/production. The student produces visual images, messages, and meanings that communicate with others.

The student is expected to:

(A) select, organize, or produce visuals to complement and extend meanings (4-8);

(B) produce communications using technology or appropriate media such as developing a class newspaper, multimedia reports, or video reports (4-8); and

(C) assess how language, medium, and presentation contribute to the message (6-8).