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Technology Applications Texas Essential Knowledge and Skills (TEKS) *Curriculum Connections Planning Tool* Quick Reference Sheet



Language Arts

- 5.9C use multiple reference aids, including a thesaurus, a synonym finder, a dictionary, and software, to clarify meanings and usage
- 5.13C use multiple sources, including electronic texts, experts, and print resources, to locate information relevant to research questions
- 5.19F use available technology to support aspects of creating, revising, editing, and publishing texts
- 5.21C take notes from relevant and authoritative sources such as guest speakers, periodicals, or on-line searches
- 5.21E present information in various forms using available technology
- 5.22B correspond with peers or others via e-mail or conventional mail
- 5.23B interpret important events and ideas gleaned from maps, charts, graphics, video segments or technology presentations
- 5.24B compare and contrast print, visual, and electronic media such as film with written story
- 5.25B produce communications using technology or appropriate media such as developing a class newspaper, multimedia reports, or video reports

Mathematics

Introduction: ... students use (mathematical) processes together with technology ... to develop conceptual understanding and solve problems as they do mathematics.

- 5.14D use tools such as real objects, manipulatives, and technology to solve problems (incorrectly noted on poster as 5.15D)
- 5.15A explain and record observations using objects, words, pictures, numbers, and technology

Science

Introduction: Students also use computers and information technology tools to support scientific investigations.

- 5.2A plan and implement descriptive and simple experimental investigations including asking well-defined questions, formulating testable hypotheses, and selecting and using equipment and technology
- 5.2E construct simple graphs, tables, maps and charts using tools including computers to organize, examine, and evaluate information
- 5.4A collect and analyze information using tools including calculators, microscopes, cameras, sound recorders, computers, hand lenses, rulers, thermometers, compasses, balances, hot plates, meter sticks, timing devices, magnets, collecting nets, and safety goggles

Social Studies

Strand: Social studies skills. The student applies critical-thinking skills to organize and use information acquired from a variety of sources including electronic technology.

- 5.25A differentiate between, locate, and use primary and secondary sources such as computer software; interviews; biographies; oral, print, and visual material; and artifacts to acquire information about the United States and Texas