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



Language Arts

- 8.8B select varied sources such as plays, anthologies, novels, textbooks, poetry, newspapers, manuals, and electronic texts when reading for information or pleasure
- 8.9C use multiple reference aids, including a thesaurus, a synonym finder, a dictionary, and software, to clarify meanings and usage
- 8.13C use multiple sources, including electronic texts, experts, and print resources, to locate information
- 8.18F use available technology to support aspects of creating, revising, editing, and publishing texts
- 8.20C take notes from relevant and authoritative sources such as guest speakers, periodicals, and on-line searches
- 8.20E present information in various forms using available technology
- 8.21B correspond with peers or others via e-mail or conventional mail
- 8.22B interpret important events and ideas gathered from maps, charts, graphics, video segments, or technology presentations
- 8.23B compare and contrast print, visual, and electronic media such as film with written story
- 8.23C evaluate the purposes and effects of varying media such as film, print, and technology presentations
- 8.24B 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.

- 8.12C construct circle graphs, bar graphs, and histograms, with and without technology
- 8.14D Select tools such as real objects, manipulatives, paper/pencil, and technology or techniques such as mental math, estimation, and number sense to solve problems

Science

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

- 8.2A plan and implement investigative procedures including asking questions, formulating testable hypotheses, and selecting and using equipment and technology
- 8.2E construct graphs, tables, maps, and charts using tools including computers to organize, examine, and evaluate data
- 8.4A collect, analyze, and record information using tools including beakers, petri dishes, meter sticks, graduated cylinders, weather instruments, timing devices, hot plates, test tubes, safety goggles, spring scales, magnets, balances, microscopes, telescopes, thermometers, calculators, field equipment, compasses, computers, and computer probes

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.

- 8.10A create thematic maps, graphs, charts, models, and databases representing various aspects of the United States
- 8.30A differentiate between, locate, and use primary and secondary sources such as computer software, databases, media and news services, biographies, interviews, and artifacts to acquire information about Texas
- 8.30B organize and interpret information from outlines, reports, databases, and visuals including graphs, charts, timelines, and maps
- 8.31C transfer information from one medium to another, including written to visual and statistical to written or visual, using computer software as appropriate