

Chapter 121. Texas Essential Knowledge and Skills for Health Science Technology Education

Subchapter D. Research, High School

Statutory Authority: The provisions of this Subchapter D issued under the Texas Education Code, §28.002, unless otherwise noted.

§121.31. Implementation of Texas Essential Knowledge and Skills for Health Science Technology Education, Research.

The provisions of this chapter shall supersede §75.84 of this title (relating to Health Occupations Education) beginning September 1, 1998.

Source: The provisions of this §121.31 adopted to be effective September 1, 1998, 22 TexReg 5014.

§121.32. Health Science Technology Independent Study (One-Half to One Credit).

- (a) General requirements. This course is recommended for students in Grade 12. The recommended prerequisite for this course is Health Science Technology II.
- (b) Introduction.
- (1) To pursue a career in health care, students should know how to learn, reason, think critically, make decisions, solve problems, and communicate effectively. Students should understand that quality health care depends on the ability to work well with others.
 - (2) The health care industry is comprised of diagnostic, therapeutic, informational, and environmental systems that function individually and collaboratively to provide comprehensive health care. Students should understand the employment opportunities, technology, and safety requirements of each system. Students are expected to learn the knowledge and skills necessary to pursue a health career through further education and/or employment.
 - (3) Professional integrity in health care is dependent on acceptance of ethical and legal responsibilities. Students are expected to understand their ethical and legal responsibilities, limitations, and the implications of their actions.
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- (c) Knowledge and skills.
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| <ol style="list-style-type: none">(1) The student applies math, science, English language arts, and social studies in health science. | <p>The student is expected to:</p> <ol style="list-style-type: none">(A) select an independent study project for personal enrichment and professional development;(B) collaborate with an interdisciplinary team to develop a project;(C) identify community, state, national, or international issues to select a project;(D) conduct a project under the supervision of a mentor;(E) use scientific methods of investigation; |
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- (F) apply statistical concepts to analyze data, evaluate results, and draw conclusions;
 - (G) compile findings in a coherent and organized manner; and
 - (H) present the independent study project to an appropriate audience using a variety of technologies.
- (2) The student uses verbal and nonverbal communication skills.
- The student is expected to:
- (A) communicate with others to accomplish project goals;
 - (B) utilize a variety of resources to access, process, and collect data relevant to the project; and
 - (C) document the time and cost to accomplish the project goal.
- (3) The student knows ethical behavior standards and legal responsibilities.
- The student is expected to:
- (A) identify ethical challenges posed by factors such as cost containment, new and emerging technologies, and allocation of limited resources;
 - (B) meet expectations related to professional conduct; and
 - (C) review legal issues related to the project.
- (4) The student participates as a team member to complete a project.
- The student is expected to:
- (A) develop skills including consensus, negotiation, decision making, mediation, process analysis, and interviewing; and
 - (B) participate as a team member to accomplish the project goals.
- (5) The student develops a project related to the health care systems.
- The student is expected to:
- (A) identify systems to be used in an independent study project; and
 - (B) use systems resources to complete a project.
- (6) The student identifies the systems that finance health care research in a free enterprise society.
- The student is expected to:
- (A) identify economic issues related to health research; and
 - (B) identify economic factors associated with the project.

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- (7) The student uses technology needed to complete a project.
- The student is expected to:
- (A) use technology resources to access, process, retrieve, and disseminate information with appropriate supervision; and
 - (B) use multimedia technology to present the project to an audience.

Source: The provisions of this §121.32 adopted to be effective September 1, 1998, 22 TexReg 5014.