

**Health Science Technology Independent Study – Grade Levels 12  
TEKS Manager**

**Credit: 1**

Place a check (✓) in each column to show TEKS taught.

	TEKS	1 <sup>st</sup> 6 wks	2 <sup>nd</sup> 6 wks	3 <sup>rd</sup> 6 wks	4 <sup>th</sup> 6 wks	5 <sup>th</sup> 6 wks	6 <sup>th</sup> 6 wks
<p>(b) Introduction.</p> <p>(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.</p> <p>(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.</p> <p>(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.</p>							

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(c) Knowledge and skills.  (1) The student <b>applies</b> math, science, English language arts, and social studies in health science. The student is expected to:	(A) <b>select</b> an independent study project for personal enrichment and professional development;						
	(B) <b>collaborate</b> with an interdisciplinary team to develop a project;						
	(C) <b>identify</b> community, state, national, or international issues to select a project;						
	(D) <b>conduct</b> a project under the supervision of a mentor;						
	(E) <b>use</b> scientific methods of investigation;						
	(F) <b>apply</b> statistical concepts to analyze data, evaluate results, and draw conclusions;						
	(G) <b>compile</b> findings in a coherent and organized manner; and						
	(H) <b>present</b> the independent study project to an appropriate audience using a variety of technologies.						
(2) The student <b>uses</b> verbal and nonverbal communication skills. The student is expected to:	(A) <b>communicate</b> with others to accomplish project goals;						
	(B) <b>utilize</b> a variety of resources to access, process, and collect data relevant to the project; and						
	(C) <b>document</b> the time and cost to accomplish the project goal.						
(3) The student <b>knows</b> ethical behavior standards and legal responsibilities. The student is expected to:	(A) <b>identify</b> ethical challenges posed by factors such as cost containment, new and emerging technologies, and allocation of limited resources;						
	(B) <b>meet</b> expectations related to professional conduct; and						

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	(C) <b>review</b> legal issues related to the project.						
(4) The student <b>participates</b> as a team member to complete a project. The student is expected to:	(A) <b>develop</b> skills including consensus, negotiation, decision making, mediation, process analysis, and interviewing; and						
	(B) <b>participate</b> as a team member to accomplish the project goals.						
(5) The student <b>develops</b> a project related to the health care systems. The student is expected to:	(A) <b>identify</b> systems to be used in an independent study project; and						
	(B) <b>use</b> systems resources to complete a project.						
(6) The student <b>identifies</b> the systems that finance health care research in a free enterprise society. The student is expected to:	(A) <b>identify</b> economic issues related to health research; and						
	(B) <b>identify</b> economic factors associated with the project.						
(7) The student <b>uses</b> technology needed to complete a project. The student is expected to:	(A) <b>use</b> technology resources to access, process, retrieve, and disseminate information with appropriate supervision; and						
	(B) <b>use</b> multimedia technology to present the project to an audience.						