

**Pharmacology – Grade Levels 11-12**  
**TEKS Manager**

Credit: ½

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
(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.			
(c) Knowledge and skills.	(A) <b>convert</b> units between systems of measurement;			
	(B) <b>use</b> measurement functions such as calculations of dosages;			
	(C) <b>interpret</b> technical material related to pharmacology;			
	(D) <b>investigate</b> biological and chemical processes in various age groups;			
	(E) <b>analyze</b> the impact of pharmaceuticals on the costs of health care; and			
	(F) <b>research and describe</b> the impact of pharmaceuticals on society.			

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(2) The student identifies career options and the preparation necessary for employment in pharmacology. The student is expected to:	(A) <b>identify</b> career options related to pharmacology;			
	(B) <b>define</b> the role of the pharmacy team; and			
	(C) <b>research</b> and describe emerging pharmaceutical careers, such as biotechnology medicine.			
(3) The student knows ethical behavior standards and legal responsibilities as related to pharmacology. The student is expected to:	(A) <b>recognize and describe</b> ethical behavior standards;			
	(B) <b>describe</b> the effects of unethical practices on consumers;			
	(C) <b>identify</b> the principles of confidentiality;			
	(D) <b>identify</b> legal requirements and scope of practice;			
	(E) <b>evaluate</b> the effects of noncompliance;			
	(F) <b>research and describe</b> issues of malpractice, negligence, and liability; and			
	(G) <b>describe</b> situations related to client's rights and choices.			
(4) The student maintains a safe environment to prevent hazardous situations. The student is expected to:	(A) <b>identify and practice</b> fire prevention;			
	(B) <b>recognize</b> hazardous materials;			
	(C) <b>demonstrate</b> safe use of chemicals and equipment;			
	(D) <b>practice</b> personal safety; and			
	(E) <b>identify</b> regulatory agencies such as Occupational Safety and Health Administration (OSHA), Drug Enforcement Administration (DEA), and Food and Drug Administration (FDA).			
(5) The student demonstrates the knowledge and skills related to pharmacology. The student is expected to:	(A) <b>demonstrate</b> use of drug references including Physicians' Desk Reference (PDR);			
	(B) <b>identify</b> drug names, classifications, actions and interactions;			
	(C) <b>identify</b> indications and contraindications of drugs;			
	(D) <b>identify</b> side effects, toxic effects, and adverse reactions of drugs;			
	(E) <b>identify</b> routes of administrations;			

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	(F) <b>compare and contrast</b> Food and Drug Administration (FDA) approved pharmaceuticals to alternative medicines; and			
	(G) <b>accurately interpret, transcribe, and communicate</b> vocabulary.			
(6) The student identifies technology used in pharmacology. The student is expected to:	(A) <b>identify</b> the technology utilized in a variety of health care settings; and			
	(B) <b>use</b> technology to access, process, and retrieve information with appropriate supervision.			