



Career & Technology BBCTA HSTE Pharmacology

Unit Name §121.25. Pharmacology					
Academic Alignment with TEKS	CTE TEKS	Content/Vocabulary	Guiding Questions	Activities	Resources and Web links
ELA b2G ALG 2A.10D CHEM c3D GOVT 22B	Pharmacology TEKS §121.25 (c) Knowledge and Skills (1) The student applies math, science, English language arts, and social studies in health science.	allegation, common denominator, powder volume, proportion, ratio, leading zero	What are the systems of measurement commonly used in the pharmacy?	Kaduceus Workbook; Dosage Calculation and Compounding Lab	www.kaduceusinc.com , textbook: <i>Pharmacy Practice for Technicians</i>
ELA b2G ALG 2A.10D CHEM c3D GOVT 22B	Pharmacology TEKS §121.25 (c) Knowledge and Skills (2) The student identifies career options and the preparation necessary for employment in pharmacology.	pharmacology, pharmacy, formularies, dispensaries, pharmacopoeias, pharmacist, pharmacy technician	What is the primary role for a pharmacist? ... a pharmacy technician? What are the origins of the pharmacy?	Kaduceus Workbook; Worksheet-Roles in the Pharmacy; Pharmacy Interview Project	www.kaduceusinc.com , textbook: <i>Pharmacy Practice for Technicians</i> ; www.pharmacy.wisc.edu/aihp
ELA b2G ALG 2A.10D CHEM c3D GOVT 22B	Pharmacology TEKS §121.25 (c) Knowledge and Skills (3) The student knows ethical behavior standards and legal responsibilities as related to pharmacology.	Food and Drug Administration (FDA), new drug application (NDA), Drug Enforcement Administration (DEA), US Pharmacopeia (USP), malpractice	What is the role of the Food and Drug Administration (FDA)?	Kaduceus Workbook; iSearch: Research new drug approvals; Herb Vs Prescription Project; There's a New Drug in Town Project	www.kaduceusinc.com , textbook: <i>Pharmacy Practice for Technicians</i> ; www.fda.gov ; www.hhs.gov/ocr/hipaa
ELA b2G ALG 2A.10D CHEM c3D GOVT 22B	Pharmacology TEKS §121.25 (c) Knowledge and Skills (4) The student maintains a safe environment to prevent hazardous situations.	assumption error, capture error, extra dose error, human error, medical error, medication error, omission error, selection error, technical error, wrong dose error, wrong time error	What are the most common medication errors seen in the pharmacy?	Kaduceus Workbook; Activity: Outline the eight steps in the Prescription-Filling Process; Prescription-Filling Lab	www.kaduceusinc.com , textbook: <i>Pharmacy Practice for Technicians</i> ; www.patientsafety.gov/glossary.html
ELA b2G ALG 2A.10D CHEM c3D GOVT 22B	Pharmacology TEKS §121.25 (c) Knowledge and Skills (5) The student demonstrates the knowledge and skills related to pharmacology.	blending, comminution, extemporaneous compounding, geometric dilution method, levigation, spatulation, trituration	When is extemporaneous compounding required in the pharmacy?	Kaduceus Workbook; Drug Identifier Activity; Suppository Lab; Extemporaneous Compounding Lab	www.kaduceusinc.com , textbook: <i>Pharmacy Practice for Technicians</i>
ELA b2G ALG 2A.10D CHEM c3D GOVT 22B	Pharmacology TEKS §121.25 (c) Knowledge and Skills (6) The student identifies technology used in pharmacology.	average wholesale price, coinsurance, database management system (DBMS), gross profit, inventory, prescription benefits manager (PBM)	What types of services does technology offer the pharmacy?	Kaduceus Workbook; Pharmacy Technician Trainee Registration; iSearch: evaluate pharmacy websites for reliability and validity of information; Drug Brochure Project	www.kaduceusinc.com , textbook: <i>Pharmacy Practice for Technicians</i>