

The *Pharmacology CPU* introduces students to both the therapeutic and research and design aspects of pharmacology. Students explore proper drug administration, common adverse effects, and various types of drugs. Students discover the history of pharmacology and drug regulations.

Students also practice methods to reduce drug errors such as proper reading and writing of prescriptions and drug labels. Through the completion of this curriculum, students gain insight into principles, techniques, and practices related to Pharmacology.

Areas Covered

- ◆ The processes of drug development and FDA approval
- ◆ Calculating dosages and other formulas common in pharmacology
- ◆ Administration routes and dosage forms for each
- ◆ Factors that affect drug action
- ◆ Roles and responsibilities of a pharmacist and a pharmacy technician
- ◆ Counseling procedures for over-the-counter products
- ◆ Proper dispensing techniques
- ◆ Skills and knowledge to aid students in various HOSA competitions



Career Pathway Unit Includes:

Student Workbook, Instructor's Manual, Installation CD, Bowl, Cake Pan, Chemical Splash Goggles, Chemplates, Cooking Thermometer, Ethanol, Flatware Set, Funnel, Glass Liquid Measuring Cup, Headphones, Hot Pad, Hydrochloric Acid, Iron Chloride, Mini Storage, Mixing Bowl, Mortar and Pestle, pH Strips, Pill Counting Tray and Spatula, Pipettes, Sauce Pan, Pharmacy Simulation Software, Single Burner Hot Plate, Skills Cart, Slotted Spoon, Surgical Gloves, Surgical Gown, Teaspoon, Tray, 20 Dram Amber Vial, 13 Dram Green Vial, 6 Dram Blue Vial, 2 Liter Soda Bottle, White Stock Bottle, miscellaneous materials and consumables. Computer is required and sold separately. OPTIONAL: Mini Fridge