

# New Health Science Curriculum!

## Pharmacology

This curriculum introduces students to the therapeutic aspects of pharmacology. Students explore drug administration, common adverse effects, and various types of drugs. They also explore the drug pipeline and examine how a new drug travels from laboratory testing to FDA approval. Students discover the history of pharmacology and drug regulations. They also practice methods to reduce drug errors such as proper reading and writing of prescriptions and drug labels.

Activity 1	Introduction
Activity 2	Pathogens & Disease
Activity 3	Drug Classifications
Activity 4	OTC Drugs & Medical Supplies
Activity 5	Technician Responsibilities
Activity 6	The Dispensing Process
Activity 7	Calculations & Measurements
Activity 8	Insurance & Payment Process
Activity 9	Dispensing Practice
Activity 10	Post-Test & Wrap-Up
Activity 11	Bonus Activities
Activity 12	Challenge
Activity 13	Open-Ended Challenge
Activity 14	Careers
Activity 15	Job Shadow

### Skills:

- Complete an experiment to determine how antacids relieve heartburn.
- Read and interpret prescriptions for labeling.
- Practice proper dispensing techniques.
- Use Young's Rule, Clark's Rule, and the alligation method.
- Review fractions, decimal numbers, ratios, and proportions.

### Knowledge:

- Identify kinds of disease.
- Discuss drug effects on disease and infection.
- Identify factors that affect drug action.
- Discuss FDA regulation of prescription and non-prescription drugs.
- Discuss administration routes and identify dosage forms for each.



Pharmacology Includes: Student Workbook, Instructor's Manual, Installation CD, Chemplates, Buffet Burner, Funnel, Prescription Vials, Stock Bottles, Counting Tray and Spatula, Prescription Tray, Stopwatch, Thermometer, Liquid Measuring Cup, Headphones (2), Computer is required and sold separately.