

10_Using Drugs and Medications Responsibly

Content Area: **Science**
Course(s):
Time Period: **Full Year**
Length: **2-3 weeks**
Status: **Published**

General Overview, Course Description or Course Philosophy

This course is a university level course which tests student's knowledge of the impact of lifestyle on one's overall health and well-being including on their physical, mental, and emotional status. It examines interventions to improve health in the areas of nutrition, physical fitness, stress management, disease prevention, and addiction use disorders . An examination by Rutgers University is required to obtain 3 college credits and an official transcript from the university.

OBJECTIVES, ESSENTIAL QUESTIONS, ENDURING UNDERSTANDINGS

- There are concepts of a drug-receptor and its relation to drug side effects.
- There are examples of the overuse of legal drugs in American society and the influences of drug advertising on drug use.
- The FDA has a drug approval process.
- Addiction, physical dependence, habituation, tolerance, and withdrawal exist.
- The different effects of the major classes of psychoactive drugs (stimulants, depressants, marijuana, hallucinogens, PCP, and inhalants).

CONTENT AREA STANDARDS

SCI.HS-LS1-2	Develop and use a model to illustrate the hierarchical organization of interacting systems that provide specific functions within multicellular organisms.
SCI.HS-LS1-3	Plan and conduct an investigation to provide evidence that feedback mechanisms maintain homeostasis.
VHEL.9-12.9.4.12.H.4	Demonstrate knowledge of human structure and function as well as diseases and disorders to pursue the full range of postsecondary education and career opportunities in this cluster.

RELATED STANDARDS (Technology, 21st Century Life & Careers, ELA Companion

Standards are Required)

TECH.9.4.12.CI.1

Demonstrate the ability to reflect, analyze, and use creative skills and ideas (e.g., 1.1.12prof.CR3a).

TECH.9.4.12.CT.2

Explain the potential benefits of collaborating to enhance critical thinking and problem solving (e.g., 1.3E.12profCR3.a).

STUDENT LEARNING TARGETS

Declarative Knowledge

Students

will know:

- Concept of a drug-receptor and its relation to drug side effects.
- Examples of the overuse of legal drugs in American society and the influences of drug advertising on drug use.
- The FDA's drug approval process.
- Addiction, physical dependence, habituation, tolerance, and withdrawal
- The different effects of the major classes of psychoactive drugs (stimulants, depressants, marijuana, hallucinogens, PCP, and inhalants).

Procedural Knowledge

Students

will be able to:

- Explain the concept of a drug-receptor and its relation to drug side effects.
- Give examples of the overuse of legal drugs in American society and the influences of drug advertising on drug use.
- Explain the FDA's drug approval process.
- Define addiction, physical dependence, habituation, tolerance, and withdrawal.
- Describe the different effects of the major classes of psychoactive drugs (stimulants,

depressants, marijuana, hallucinogens, PCP, and inhalants).

EVIDENCE OF LEARNING

Formative Assessments

- Chapter review
- Worksheets
- Group work

Summative Assessments

- - Benchmarks – departmental benchmark given at the end of MP1, MP2, or MP3 & MP4 b(Semester Based Course)
 - Alternative Assessments
 - Lab inquiries and investigations
 - Lab Practicals
 - Exploratory activities based on phenomenon
 - Gallery walks of student work
 - Creative Extension Projects
 - Build a model of a proposed solution
 - Let students design their own flashcards to test each other
 - Keynote presentations made by students on a topic
 - Portfolio

RESOURCES (Instructional, Supplemental, Intervention Materials)

Health and Wellness, 11th Edition

ISBN-13: 978-1449687106

ISBN-10: 1449687105

- Nearpod
- Edpuzzle
- Library literary resources

INTERDISCIPLINARY CONNECTIONS

- Informal writing
- Data analysis
- Ethics

ACCOMMODATIONS & MODIFICATIONS FOR SUBGROUPS

See link to Accommodations & Modifications document in course folder.