

# 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**

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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**

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- 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**

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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)**

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## **Standards are Required)**

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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**

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### **Declarative Knowledge**

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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**

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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**

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### **Formative Assessments**

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- Chapter review
- Worksheets
- Group work

### **Summative Assessments**

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- - 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)**

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Health and Wellness, 11th Edition

ISBN-13: 978-1449687106

ISBN-10: 1449687105

- Nearpod
- Edpuzzle
- Library literary resources

## **INTERDISCIPLINARY CONNECTIONS**

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- Informal writing
- Data analysis
- Ethics

## **ACCOMMODATIONS & MODIFICATIONS FOR SUBGROUPS**

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See link to Accommodations & Modifications document in course folder.