

14_Accidents and Injuries

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

- How to prevent accidents, and unintentional injuries and the risk factors
- Haddon matrix
- Preventative measures can be taken to avoid motor vehicle, motorcycle, bicycle, and pedestrian accidents
- There are strategies to improve home and work safety
- There are major sports with the highest risk of injuries for boys and girls

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.

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)

WRK.9.2.12.CAP

Career Awareness and Planning

TECH.9.4.12.CI.1

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

STUDENT LEARNING TARGETS

Declarative Knowledge

Students will understand that:

- safe ways to prevent accidents, and unintentional injuries and their risk factors
- the Haddon matrix
- ways to prevent motor vehicle, motorcycle, bicycle, and pedestrian accidents
- Describe strategies to improve home and work safety
- the major sports with the highest risk of injuries for boys and girls

Procedural Knowledge

Students will be able to:

- Define safety, accidents, unintentional injuries, and risk factors
- Explain the Haddon matrix
- Discuss ways to prevent motor vehicle, motorcycle, bicycle, and pedestrian accidents
- Describe strategies to improve home and work safety
- List the major sports with the highest risk of injuries for boys and girls

EVIDENCE OF LEARNING

Formative Assessments

- Worksheets
- Group activities
- Reserach

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

INTERDISCIPLINARY CONNECTIONS

- Informal writing

- Data analysis

ACCOMMODATIONS & MODIFICATIONS FOR SUBGROUPS

See link to Accommodations & Modifications document in course folder.