

08_Cancer: Understanding Risks and Means of Prevention

Content Area: **Science**
Course(s):
Time Period: **Full Year**
Length: **3-4 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

Students will understand that:

- the incidence of cancer today and related mortality
- the terms cancer, tumor, benign tumor, malignant tumor, metastasis, and xenoestrogen
- there are differences between inherited diseases and genetic diseases

CONTENT AREA STANDARDS

SCI.HS-LS1-3	Plan and conduct an investigation to provide evidence that feedback mechanisms maintain homeostasis.
12.9.3.HL.4	Evaluate the roles and responsibilities of individual members as part of the healthcare team and explain their role in promoting the delivery of quality health care.

RELATED STANDARDS (Technology, 21st Century Life & Careers, ELA Companion Standards are Required)

WRK.9.2.12.CAP.2	Develop college and career readiness skills by participating in opportunities such as structured learning experiences, apprenticeships, and dual enrollment programs.
WRK.9.2.12.CAP.3	Investigate how continuing education contributes to one's career and personal growth.

STUDENT LEARNING TARGETS

Declarative Knowledge

Students
will know:

- The incidence of mortality in the US and the world
- how to recall the common terminology associated with cancer and cancer research
- the differences in inherited and genetic disease, as well as those from environmental factors.

Procedural Knowledge

Students
will be able to:

- Discuss the incidence of cancer today and related mortality
- Define the terms cancer, tumor, benign tumor, malignant tumor, metastasis, and xenoestrogen
- Differentiate between inherited diseases and genetic diseases

EVIDENCE OF LEARNING

Formative Assessments

- Worksheets

- POGILs
- Group projects
- Chapter reviews

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.