

ROSLYN HIGH SCHOOL

Department: Science

Name of Course and General Description:

“Are you Sick Again?” - Common Ailments of the Young and Restless 45080

This course will enable the students to develop a level of knowledge concerning modern day diseases that will help them to function within society and social circles. Symptoms, etiology, diagnosis, treatment and prognosis will be discussed with each of the “popular” ailments. Asthma, the common cold, strep-throat, mononucleosis, Epstein-Barr Syndrome, concussions, sports injuries, upper respiratory diseases, diabetes and heart murmurs are a few examples of the exciting “sicknesses” we will explore.

Grades 9-12..... 1/2 credit

MAJOR TOPICS COVERED:

1. Summer Ailments:

- a) Insect Bites
- b) West Nile Virus
- c) Lyme’s Disease
- d) Dehydration
- e) Sunburn

2. Winter and Fall Ailments:

- a) Influenza
- b) Common Cold
- c) Pneumonia
- d) Strep Throat
- e) Bronchitis
- f) Whooping Cough

3. Spring Ailments:

- a) Chicken pox/ Shingles
- b) Spring allergies
- c) Meningitis

4. “Anytime” Ailments:

- a) Acne and other Skin Diseases
- b) Infectious Mononucleosis
- c) Asthma

- d) Muscular-Skeletal Diseases
- d) Gastrointestinal Issues
- e) MRSA and Bacterial Resistance
- f) Tuberculosis
- g) Heart Disease and Blood Disorders
- h) Hypertension and Stroke
- i) Cerebral Injury and disease
- j) Fungal Infections
- k) Eye Diseases---LASIX Surgery
- l) Urinary Tract and Kidney disease
- m) Diabetes
- n) Some Auto-immune diseases Herpes and Cancer

TEXTBOOK: none

REQUIREMENTS: Students are required to complete laboratory, class and homework assignments. Classroom participation is also expected. There will be short assessments given throughout the year which will be based on their notes, class readings and presentations. There will be a mid-year assignment given and an end-of the year written and oral presentation will be required.

GRADING PROCEDURES:

All work done in the classroom---worksheets, lab activities and work-ups, oral presentations, written reports, class participation.... Combined with all assigned projects will be graded and then averaged. That will become the basis for the grade in this course.