

NUTRITIONAL DISEASES AND DISORDERS

OBJECTIVES/RATIONALE

Diet plays a major role in maintaining health and wellness. Many diseases and disorders affect the digestive system and affect the nutritional status of clients. The student will research diseases affecting the digestive system and metabolic processes.

TEKS: 121.24 1D, 1I, 6E, 7B

TAKS ELA 1, 3, 4, 5, 6
Science 2

KEY POINTS

- I. Diet and Health
 - A. Diet is a major factor in maintaining health and wellness.
 - B. Deficiencies
 - C. Overconsumption
 - D. Risk factors
 - E. Of the ten leading causes of death in the US, four maybe associated with a persons diet.
 - 1. heart disease
 - 2. cancer
 - 3. stroke
 - 4. diabetes mellitus
- II. Functional and Absorption
- III. Malnourishment
- IV. Toxic effects
- V. Effects of radiation, chemotherapy, and surgical procedures
 - A. Decreased salivary flow due to radiation therapy to the head and neck.
 - B. Shedding of the mucosa of the GI tract.
- VI. Genetic
- VII. Eating disorders
 - A. Anorexia Nervosa
 - B. Bulimia
- VIII. Infections
 - A. Food poisoning
 - B. Hepatitis A

ACTIVITIES

- I. Choose a disease or disorder associated with the digestive system and prepare a multimedia report to present to the class. The report should include the pathogenesis, scope of treatment and the prognosis. Work in small groups.

MATERIALS NEEDED

Internet
Periodicals
Journals

ASSESSMENT

Multimedia Rubric

ACCOMMODATIONS

For reinforcement, the student will create a poster depicting a nutritional disorder and methods of prevention.

For enrichment, the student will interview a gastroenterologist, nutritionist, or county health department representative to determine the most prevalent disease or disorder in the region associated with the digestive system and nutrition. Report to the class.

REFLECTIONS
