

Cypress Fairbanks ISD Scope & Sequence Pathophysiology 2017- 2018

Course Description: In Pathophysiology, students conduct laboratory and field investigations, use scientific methods during investigations, make informed decisions using critical thinking and scientific problem-solving and demonstrate professional standards as related to business and industry. Students in Pathophysiology study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease. Students will differentiate between normal and abnormal physiology.

TEKS: <http://ritter.tea.state.tx.us/rules/tac/chapter130/ch130h.html>

Cluster: Career and Technology Education

Endorsement: Public Service (Health Science)

- ♦ Meets advanced course requirement (Y/N): Y (Health Science and Science)
- ♦ Meets foundation requirement for Math, Science, Fine Arts, English (Y/N-area): Y – Science

Industry Certification/Credentials: None

Credits : K-level (Honors); subject to grade requirements

Instructional Units	Supplements	Grading Period
1. Introduction To And History Of Pathophysiology	Chpt 1	1 st
2. Fundamentals Of Pathophysiology & Nature Of Disease	Chpts 2 & 3	1 st
3. Infectious Disease (Tufts School of Medicine)	Chpts 4,20,	2 nd
4. Immune System Diseases And Disorders	Chpt 5	2 nd
+++++	+++++	+++++
5. Genetic, Congenital And Childhood Diseases And Disorders	Chpts 19,20	3 rd
6. Cancer (Tufts School of Medicine)	All chapters	3 rd
7. Nervous System Diseases And Disorders	Chapt 15	4 th
8. Endocrine System Diseases And Disorders	Chpt 14	4 th
9. Cardiovascular & Respiratory Diseases And Disorders	Chpts 7-10	4 th

Primary Instructional Materials:

1. **On line textbook:** Marianne Neighbors and Ruth Tannehill-Jones (Fourth Edition). Human Diseases Cengage.com
2. **Student workbook**
3. **Access to Tufts School of Medicine:** Great Diseases Modules