



Class Title: Red Biology: Matters of the Heart

Teacher Name: Rebecca Healy

Class Day: Friday

Class Size: 10

Class Supply Fee: \$80

Class Fee: \$96

Ages or color group served: Red

What level is this class: Level 3

Prerequisites: Must have a high school level of reading and comprehension.

Graduation Requirements:

- Must meet attendance requirements.
- Must complete assignments (allowed to miss 2 before dismissed from class.
- Must have a 70 or higher average

Homework Requirements: Each student will be required to allow for 1 to 2 hours of homework each week.

Class Description:

In this course, we will explore the fascinating world of the heart! We will dive into its basic structures, understand how blood flows through it, and uncover the neurological makeup that keeps it beating. Will also examine the muscular structure of the heart and discuss some common heart conditions.

Our curriculum will blend elements of anatomy, biology, physiology, and pathology, offering a comprehensive look at this vital organ. To wrap up the semester, we will have an exciting Hands-On heart dissection! (Performed in pairs)

This class will emphasize interactive learning through Hands-On activities and visual aids, similar to a lab experience during the class. Expect to dedicate one to two hours each week for homework and independent study, and be ready for a brief quiz each week to test your understanding of the previous material.



Week 1:

Introductions and expectations

Week 2:

Introduction to Medical Terminology: we will review some of the medical terminology and definitions used throughout the semester

Week 3:

Introduction to structure: we will go over the structure of the heart and how each piece is connected.

Week 4:

Structure of the heart: we will review the functions of the structures reviewed previously

Week 5:

Introduction to the nervous system: we will review how the nervous system runs through the heart and it's different pieces

Week 6:

Nervous system: we will be looking at how the brain connects to the heart's nervous system and keeps us with a healthy heart beat

Week 7:

Introduction the heart as one large muscle:

Week 8:

Continuing our study of the muscle: we will dive into the flow of the blood through the heart and how the muscles of the heart are able to function

Week 9:

Pathologies of the Heart part 1

Week 10:

Pathologies of the heart part 2



HOMESCHOOL
COLLABORATORS
UNITED
CO-OP & HYBRID ACADEMY 

Week 11:

Dissections of heart specimens

Week 12:

Final exam / Party