

Biology 30S
Course Outline
Code: 0169/English
Mr. Dupasquier

Course Description:

In a nutshell, Biology is the science of living things. Living things vary in form from very simple, one-celled organisms to very complex, multi-cellular organisms. This course is focused on the human organism, the structure of the human body (anatomy), and the function of, or how the body works (physiology). Included in the anatomy and physiology of the body, we will also focus on personal health and wellness, and the successful maintenance of health and wellness that is homeostasis.

Biology 30S – Six Units

Unit One: Wellness and Homeostasis (Sept-Oct)

-Personal Wellness, Intro to Homeostasis, Cells and Homeostasis, Energy

Unit Two: Digestion and Nutrition (Oct-Nov)

-Digestive System, Chemical Digestion and Enzymes, The Liver, Digestion and Nutrition, Disorders of the Digestive System

Unit Three: Transportation and Respiration (Dec-Jan)

-Methods of Science, The Blood, Circulatory System, Respiratory System, Circulatory and Respiratory System Wellness

Unit Four: Excretion and Waste Management (Jan-Feb)

-Urinary System, Excretory Homeostasis, Urinalysis and Urinary Wellness

Unit Five: Protection and Control (Mar-April)

-Immune System, Immunity-Disease-Public Health, Nervous System, The Neuron, Nervous and Endocrine Interaction, Wellness and the Endocrine/Nervous Systems

Unit Six: Wellness and Homeostasis Changes

-Body System Interrelationships, The Aging Process, Death, Technology + Wellness

Marking Scheme:

Course Work	70%
Final Assessment	30%

Classroom Rules & Expectations:

All members of the classroom will...

1. Commit to making the classroom a safe space. Therefore:
 - a. All members of the classroom will **be respectful of the opinions, ideas, culture**, and overall person of other members of the classroom, whether they agree with them or not.
2. **Respect their classmates' right to learn & work within a school environment.** Therefore:
 - a. There will be no talking during instruction, and no distracting behavior during work time.
3. **Use technology in a relevant and respectful manner.**
 - a. The use of electronic devices is essential to this course. However, access to them is a privilege and not a right. Therefore, these devices (desktops, cameras, cell phones, etc.) must be used **only** for academic purposes during class time (**not at all** during instruction), or this privilege will be taken away.
 - b. **MUSIC – Independent work = 1 earbud in, 1 earbud out, Instruction = 0 earbuds in, 2 earbuds out**
4. **Come prepared for class** by bringing any tools and materials necessary for class, and saving your work.
 - a. Students will be informed if/when they **must bring their flashdrives/USB sticks to class.**
 - b. Students are also **responsible for saving their work frequently, and in multiple places.** If any work is lost or is not saved, it is the **student's responsibility** to redo this work outside of class time.