

Biology 2: 1st Semester Syllabus

1st Semester....

Welcome back! We'll be exploring anatomy and physiology this semester with a special focus on environmental health. We will also have the unique opportunity to integrate an NIH funded project in our class this semester through the GO3 Project on black carbon, which affects human health. It is going to be a busy but exciting semester, so roll up your sleeves and get ready for some fun! Remember, if you ever miss a class, it is your responsibility to come get your missing work and make sure that you turn your assignments in on time. I am available during lunch, Thursdays for homework club. I am excited for another semester of fun, and hope you are too!

Expectations

In Class

- Be on time to class.
- Be prepared for class with a writing utensil, notebook, and assignments.
- Homework must be turned into the INBOX basket upon **entering** the classroom.
- Sign out when leaving the classroom for the bathroom.
- Follow safety procedures and proper laboratory etiquette.

Classwork & Homework

- If you miss class, you are responsible for picking up missed work from me or the clear organizer.
- Labs are excused, however you will be responsible for completing an alternate assignment on the same topic.
- Late assignments will automatically be only given for ½ credit
- Assignments turned in over 2 weeks late will not be accepted
- Extra credit opportunities will exist through the Teen Science Cafe & a monthly journal club during a lunch period

Grades

30% End of Semester Portfolio (Notebook/Binder) with Reflections

20% Quizzes and Tests

20% Projects

10% Homework

10% Lab Reports

10% Present, on time to class, and participation - student: is on task, asks questions, responds to questions asked, reads out loud. *Each week you will either get points or no points.

Schedule

| Dates | Topic | Assignments Due |
|------------------------------|--|--|
| August 25-29th | Introduction to anatomy, physiology, and NIH project | Lab Safety Story due Aug. 29 |
| September 1-5th | DNA models & Replication | DNA models due Sept. 3 |
| September 8-12th | Protein Synthesis: Transcription & Translation | |
| September 15-19th | Protein Synthesis Continued | Cookie Factory Story & Drawing due Sept 17 |
| September 22-26th | Mutations & Disease; Introduce Disease Profiles | No School Sept. 26th |
| September 29th - October 3rd | Review of DNA & Disease Profile Presentations | Disease Profile due Oct. 1 |
| October 6-10th | Test & Body Systems Project Introduction | Test Oct. 6 |
| October 13-17th | Respiratory System & Circulatory System | Heart Rate Lab due Oct 15 |
| October 20-24th | Air pollution and Respiratory Disease GO3 Project | No school Oct. 24th |
| October 27-31st | Immune System | |
| November 3-7th | Digestive & Excretory System | Excretory Lab due Nov 5 |
| November 10-14th | Nervous System & Neuroscience | Visit to MOS? |
| November 17-21st | Reproductive Systems | GO3 project due Nov 19 |
| November 24-28th | Review and Quiz | Quiz Nov. 24 Break Nov 26-28 |

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| December 1-5th | Muscular System & Skeletal System | |
| December 8-12th | Body Systems Review | Portfolio Due Dec. 10 |
| December 15-19th | Test & Make up Labs | Final Dec. 15 |