



"An excellent specimen ... symbol of beauty, innocence, and fragile life ... hand me the jar of ether."

Welcome to Biology

Ms Mendenhall

Office Hours: 7:30-7:45 daily in Room 211 and by appointment

Contact: lmendenhall@bhpsnj.org

Google Class Code: b6mrnv

Website: <http://www.bhpsnj.org/Page/5448>

Lab: Day 1

Welcome to the adventure of 9th grade biology. I am looking forward to a challenging and rewarding year with you. This will not be an easy course but the work will be well worth the effort. My door is always open if you have any questions or concerns. Science depends on curiosity, creativity, and a willingness to take chances, so we should have some fun along the way.

Policies & Procedures to ensure success:

- Please arrive on time to class & lab.
 - School Policy: Teacher detention will be assigned if you are late to class more than once, or if you are late to lab once. After 4 lates, you will be referred to the assistant principal for discipline consequences.
- Cell phones are not allowed.
- iPads will be required for this course. Please come to class with them charged daily.
- Come to class prepared to work every day – this includes having something to write with as well as your packet and homework.
- Food is not permitted in the classroom but you may have a water bottle.
- Please remain seated at the end of the period and wait to be dismissed.
- Have respect for yourself and others, and be supportive of one another.
- Respect the classroom by keeping it neat and cleaning up before you are asked.
- Please share anything that comes up that may prevent you from being prepared for class, sooner rather than later. This may include a religious holiday, death in the family, vacation, etc. Accommodation will be made for situations such as these so that you get caught up, and so that you are prepared for assessments.
- Honor Code: The expectation is that you will not cheat on any assignments or help anyone else cheat on assignments. Cheating includes, but is not limited to, giving others answers, talking about an assessment with other students who have not taken it yet, copying assignments or parts of assignments, and not citing research during a project. If you are caught cheating, you will be referred to the assistant principal, the incident will be recorded on your permanent record, your parents will be contacted, and you will receive a zero for the assignment. In instances where there is more than one person involved, both people will be disciplined equally.

Textbook & Notebook:

- ❑ The textbook (*Biology*, Nowicki) will be issued to you at the beginning of the school year. Please keep it covered to prevent damage. It should be returned in the condition it was issued or fines may be issued. You can keep the textbook at home. We have a class set for use in school and you will have access to the online textbook.
- ❑ Please stay organized for class. This includes having a dedicated Biology folder or section in a 3-ring binder for school (for current work) and a place at home to keep past work (to prepare for the final exam).

Grading:

- ❑ A total points system is used to calculate your grades.
- ❑ In general, tests and projects are worth about 100 points, quizzes and labs 40-80 points, classwork 10-20 points, and homework 5 points.
- ❑ PowerSchool: You can check PowerSchool to see your grades at any time.
- ❑ Preparation, participation, and your overall contributions to the success of our class are also important factors in your grade – you are expected to have all your materials on your desk ready to begin class when the bell rings.
- ❑ Absent work: It is your responsibility to obtain missing work and to submit all makeup work. Please check Google Classroom for missed work and notes.
- ❑ Late work: Homework will not be accepted late. Lab reports and projects may be submitted late for partial credit.
- ❑ Final course grades are calculated according to school policy as follows: Q1 = 22.5%, Q2 = 22.5%, Q3 = 22.5%, Q4 = 22.5%, Exam = 10%

Course Outline:

- Unit 1 - Introduction
- Unit 2 - Ecology
- Unit 3 - Chemistry
- Unit 4 - Cell Structure & Function
- Unit 5 - Cells & Energy
- Unit 6 - Cell Growth & Division
- Unit 7 - Genetics
- Unit 8 - Heredity
- Unit 9 - Protein Synthesis
- Unit 10 - Evolution & History of Life
- Unit 11 - Diversity and Classification
- Unit 12 - Plant Structure and Function

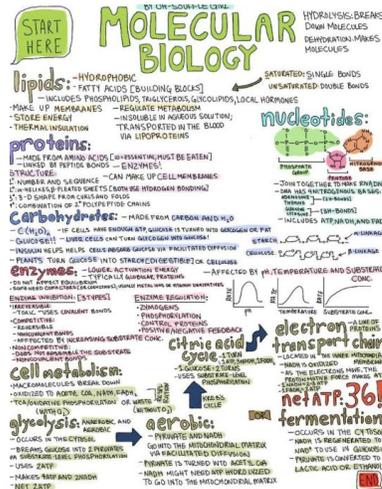
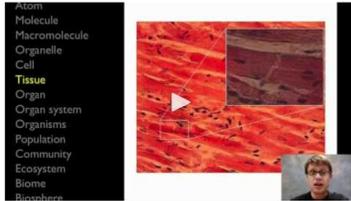
Curriculum and State Testing:

- ❑ Governor Livingston [Biology Curriculum](#)
- ❑ Berkeley Heights Schools [Progression of Science Courses](#)
- ❑ New Jersey Department of Education [Science](#) information
- ❑ The 2016 New Jersey Biology Competency Test ([NJBCT](#)) will be given on May 25 & 26

Resources:

We are lucky to live in a time when information is everywhere. Please take advantage of it! Here are a few of my favorites and I look forward to hearing about those you find.

Bozeman Science



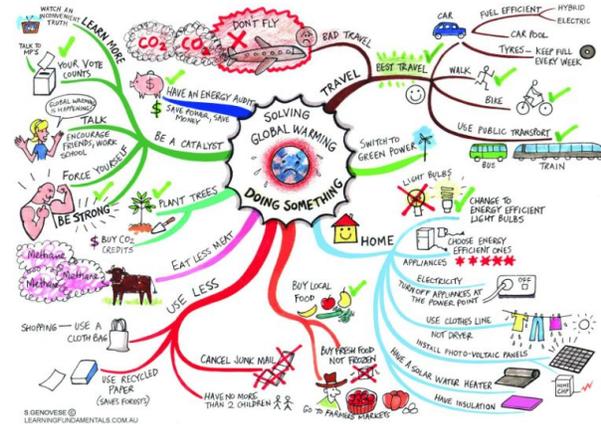
Crash Course

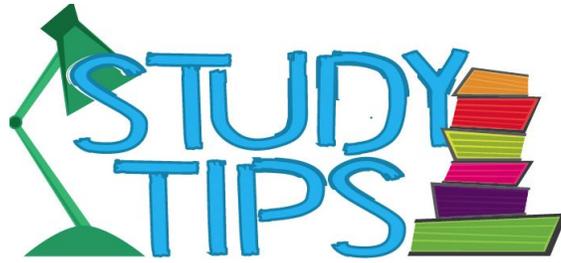


TEDEd



SciShow





1. **Prepare for class:** Complete all homework on time. As soon as possible after class, add your *own* summarizing notes to your class notes.
2. **Summarize what you have learned:** Study the vocabulary list and important questions. Use the “study” methods that work best for you - these may include flashcards, writing summary note “cheat sheets”, graphic organizers, answering the textbook review questions, etc.
3. **Study frequently and in small doses:** Cramming does not foster long term understanding that will stick with you.
4. **Set up a study group and study with friends:** We learn 10% of what we read, 20% of what we hear, 70% of what we discuss, and 95% of what we teach others.
5. **Ask for help:** If you are having trouble with the material, get help early.

An infographic with a white background. At the top, the text 'Don't Waste Your Time Studying!' is written in large, bold, red letters. Below this, on the left side, is a vertical purple bar containing white text: 'Breaking up your study time into 20-minute periods will help you retain more information.' To the right of this bar, the words 'Studying!' are written in large, bold, white letters. Below 'Studying!' is a vertical purple bar containing a study schedule in white text: 'Study for 20 minutes', 'Take a Short Break', 'Take the Test!'.