



Biology



Bio = living
ology = study of
Biology is the study of living things.

Teacher Contact Information: Mrs. Bahe
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Tentative Schedule:

| Unit Topic | Chapter |
|---|---------|
| 1. The Science of Biology | |
| a. What is the scientific method? | 1 |
| b. What does it mean to be “living” and what are the molecules of life? | 3 |
| 2. Cells | |
| a. What are the parts of a cell and how do they work? | 4 |
| b. What is diffusion? | 5 |
| c. How do living things make and use energy compounds? | 6-7 |
| 3. Genetics | |
| a. What are the molecules of inheritance and how do they function? | 10 |
| b. How do cells divide and pass on genetic information? | 8 |

End of quarter

| | |
|---|-------|
| 4. Heredity | |
| a. How are physical traits passed from generation to generation? | 9, 12 |
| 5. Applied Genetics | |
| a. What are the techniques used for analyzing and working with DNA? | 13 |
| 6. Evolution | |
| a. How does evolution explain the variety of species? | 14-15 |
| 7. Ecology | |
| a. How do living things interact with the environment and with one another? | 18-19 |
| b. What are the causes of environmental problems and what are some solutions or alternatives? | 22 |
| 8. Anatomy | |
| a. What are the biological systems and structures found in animals (shark dissections)? | 39 |

End of semester

Breakdown of grade: unit test dates posted 1 week in advance on skyward/family access

20% = Homework: book questions, assigned readings, pre-labs, projects (presentations and posters)

30% = In class work/labs: binder checks, in class activities, labs

50% = Assessments: topic & lab quizzes, cumulative unit tests*

* Test retakes possible ☺
 Average two scores, max= 90% (A-)

Grading:

| | | | | |
|-------------|-------------|-------------|-------------|------------|
| A = 93-100% | +B = 87-89% | +C = 77-79% | +D = 67-69% | F = <59.9% |
| -A = 90-92% | B = 83-87% | C = 73-76% | D = 63-66% | |
| | -B = 80-82% | -C = 70-72% | -D = 60-62% | |



Delano Student Handbook: This class will abide by all Delano policies such as appropriate classroom behavior, cell phones/electronic device misuse, tardiness, academic dishonesty, etc.

General classroom rules:

Bell: Bell marks the start and end of class. All clean up must be completed before anyone is allowed to leave the classroom.

Pass: Always ask permission before leaving the classroom and take the designated pass. Passes will not be allowed during the first 30 minutes of class, notes, or tests.

Hats: Hats, caps, & hoods are not to be worn.

Cell Phones: NEVER EVER allowed! They will be collected during tests.

Ipods/Music: Only permitted during individual work time, not during notes, directions, or tests.*

*This right will be revoked if electronic devices are being misused

Mrs. Bahe's behavior expectations:

1. Do not speak or distract fellow students when others are speaking.
2. Stay on task and keep your hands to yourself. No goofing around!
3. Use work time to work!
4. Clean up after yourself and respect the equipment and furnishings of the room.
5. Respect your classmates, your teacher, and yourself. **DO NOT** interfere with any person's right to learn.

Consequences:

1st infraction = verbal warning

2nd infraction = removal from situation and private conference with teacher after class to discuss misbehavior

3rd infraction = detention and/or referral to office



Note the following:

Any consequence that results in the removal of student from situation could result in the loss of assignment and/or lab points

Any severe or repetitive disruptions will result in jumps in consequences.

Absence & Late Work: It is *your responsibility* to obtain the notes and any worksheets covered while you were gone.

1. If you are absent *expect* to come before or after school to make up any missed labs, activities, assignments or tests in a timely manner. Labs often contain perishable items & would need to be made up within **one week**.
2. If absent from class, write "absent" on top of assignment, otherwise deductions will be made.
3. Unless otherwise stated, all classroom assignments and lab worksheets are **due the following day**.
4. Assignments that are late without excused absence will have **50% of the possible points deducted**.
5. Late work will only be accepted for **two weeks after unit test**.