

# Biology Syllabus

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**Course Description**

The Biology curriculum is designed to continue student investigations of the biological sciences begun in grades K - 8. High school inquiry is expanded to include more abstract concepts such as the function of DNA, biological evolution, and the interdependence of organisms. The curriculum includes inquiry into the following content areas:

- The cell
- Molecular basis of heredity
- Biological evolution
- Interdependence of organisms
- Matter, energy, and organization in living systems
- Behavior of organisms

The entire curriculum is available in class and online: <http://www.dpi.state.nc.us/curriculum/science/scos/2004/23biology>.

**Tentative Pacing**

Unit	Textbook Correlation	Time (approximate)
1-Introduction To Biology	Ch. 1	5 days
2-Ecology	Ch. 2-5	10 days
3-Cell Biology	Ch. 6, 7, 8.1, 9	17 days
4-Genetics	Ch. 8.2-8.3, 10-13	17 days
5-Evolution	Ch. 14-16	8 days
6-Plants & Diversity	Ch. 21-24; 17; 18-20	9 days
7-Human Biology & The Animal Kingdom	Ch. 34-39; 25-29; 30-33	10 days
EOC Review	All	7 days

**Required Materials:**

- I Three Ring Binder (1.5– 3 inches)
- Folder (in class color)
- Lined Paper
- Pens
- No. #2 Pencils

**Suggested Materials:**

- Crayons/Colored Pencils
- Glue Stick
- Scissors
- Calculator



**Nine Weeks Grade**

- **Tests & Major Assessments** (may include projects & presentations ) 50%
- **Quizzes & Binder/Notebook Grades** 25%
- **Assignments:** Classwork, Labs, etc. 15%
- **Contribution/Participation** 10%

**Overall Grade**

Quarter 1	37.5%
Quarter 2	37.5%
EOC	25%

### Unit Guides:

Students will be given a guide at the beginning of each unit. Assignments, projects, quizzes, and tests will be outlined on a tentative schedule. Unit guides should assist students in completing assignments and preparing for assessments. **Use them daily!!!**

### Tests and Major Assessments:

Major Assessments will be given periodically to assess student progress. All tests will be announced. Major Assessments may include practical (hands-on) exams, major lab reports, or projects/papers. **Six unit tests and one benchmark test will be given throughout the semester. All tests are cumulative.**

### Classwork/ Homework:

All work is assigned at the beginning of the unit. All possible **assignments are listed on the Stamp sheet**, however assignments will be collected & “stamped” almost daily. At the end of the unit, the student will turn in all assignments for a final Stamp sheet grade. In order to complete all assignments on the unit guide, students will **often need to finish assignments at home**. Biology involves a lot of memorization. Students are expected and encouraged to **study daily**.

### Mini-Assessments and Quizzes:

Students are given multiple written assessments (quizzes) on each unit, and on topics within each unit as needed. Quizzes will be numerous and typically include previous homework questions.

### Binders:

#### **Binders and stamp work should be brought to class daily!**

Students are required to keep organized notes & papers at all times. Binders will be graded by their organization, neatness, & content. The binder will be randomly taken up every month for a grade.

### Labs and Class Work:

•**Contribution/Participation:** Student participation may be assessed using observational checklists and disciplinary consequences. If the student is causing enough of a disruption to receive consequences, they are not participating as expected.

•**Warm-Up / Review Questions:** Students are expected to complete the warm-up activity and answer the review question for each day. Students should keep these in their binder and turn them in with their stamp sheets. Warm-ups may also be periodically collected and graded.

•**Summary Activities / Ticket Out The Door:** Responses to summary activities should be kept on your “Ticket Out The Door” sheet. Please turn these sheets in on your way out the door each day. Any T.O.D’s turned in before the bell will not receive credit.

•**Lab Reports and Written Class Work:** All students are required to keep all assignments in numbered order and be clearly titled in their binder. These assignments will be periodically handed in, graded, and handed back for the student to keep until test day. On test day, students will turn in all assignments & their Stampsheet in their assignments folder for a grade. Late work will only be accepted if students come before or after school to work on it.

**All questions should always be answered in complete sentences and all work must be shown for math related questions.**

### Binder Organization

You should label tabs in your Binder following the model below:

1. Warm-Ups
  2. Current Unit Work
  3. Intro to Biology
  4. Ecology
  5. Cell Biology
  6. Genetics
  7. Evolution
  8. Plants & Diversity
  9. Human Biology & Animal Kingdom
  10. EOC Review
- ◆ YOU CAN MAKE HOME-MADE TABS (ASKFOR HELP!)

Don't forget to see Binder Organization Paper

## **Make-Up Procedure: ATTENDANCE IS IMPORTANT!!!**

It is **your** responsibility to make up any missed work. Students may only ask the teacher about the day missed before school, after school, during lunch, or during individual work time.

**YOU MAY NOT ADDRESS IT AT THE START OF CLASS!!!**

***If you are absent follow these 5 easy steps:***

1. **Check your Unit Guide.** All notes, labs/activities, class-work, homework, and tests are outlined on each Unit Guide. ***You should always know exactly what you missed.***
2. **Check the Class Notebook (“Sick Bunny Binder”)**– to find out exactly what you missed.
3. **Get any missed Notes or Handouts!** Any papers distributed while you were out will be available from the Daily Folders.
4. **Check for updated announcements and due dates.** These are posted on the board and the class website
5. **Schedule a time to make up any quizzes or tests** as soon as you return to school. I normally post days that I am available after school at the beginning of each week.

\*\*\* Remember: **You have 3 days from the time of your absence to make up any missed work and one week to make up a missed quiz or test.** *You must indicate that you were absent on any late work that you are handing in)*



## **Expectations & Procedures**

### **Classroom Procedures**

- ◆ **Enter quietly**, sharpen pencil, put extra materials under your desk.  
**You must be seated, silent, and working when the door closes.**
- ◆ **Read the board and copy** any pertinent information.
- ◆ **Respond (in writing) to the warm-up activity and review question.**
- ◆ Follow directions and **participate** in class for **ALL 90 MINUTES!**
- ◆ Before leaving, **clean up** your area, and push in your chair.

### **Lab Procedures:**

- ◆ **Transition quietly** to your assigned lab station.
- ◆ **Follow** all lab **safety rules** and actively **participate**.
- ◆ **Clean up** your assigned area, returning all equipment to its original location.
- ◆ **Transition** quietly back to your assigned seat.

### **Classroom Rules: BE NICE / WORK HARD**

1. Follow all school-wide rules.
2. Come to class on time and **prepared**.
3. Respect all people, their property and school property.
4. Talk only after being recognized by the teacher or while following the teacher's directions for activities that involve conversation.
5. Sit in your assigned seat and move around the classroom only with the teacher's permission.

### **Consequences\*:**

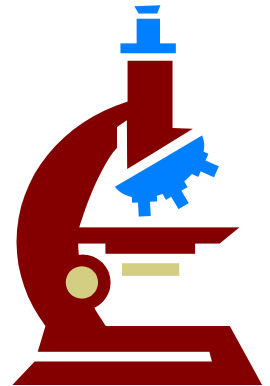
1. Warning— You only earn one daily point towards Contribution/Participation grade
2. After School Detention— Parent Contact and you earn 0 daily points
3. Administrative Disciplinary Referral—Parent Contact and you earn 0 daily points and subtract an additional point from Contribution/Participation grade

\*Some inappropriate behavior can result in a Detention or a Referral without a Warning.

\*Students preventing students from learning/teacher from teaching will be removed from the classroom immediately.

# How to Be Successful in Biology!

1. **DO YOUR CLASS WORK!!!!**
2. **Read your notes daily.** – Read your notes when you get home. It will help you remember what we just covered.
3. **DO NOT MISS CLASS** If you are absent you will miss a great deal of information that you are still responsible for.
4. Follow the Make-Up Procedure if you must be absent.
5. **STUDY, STUDY, STUDY** – all quizzes & tests are announced! You will always know exactly what you are responsible for ahead of time.
6. **Do your warm-up & summary questions every day.**
7. **Bring your Binder and Current Unit Assignments EVERYDAY!**
8. **Take Good Notes - BOLD UNDERLINED WORDS MEAN YOU NEED TO KNOW THEM!**
9. **STUDY, STUDY, STUDY** – Try making flashcards to learn new vocabulary!
10. **Ask questions / ask for help.** I am available for scheduled tutoring before and after school. Please make arrangements before arriving early or staying after school.
11. **Complete all labs & activities on each stamp sheet.** Check your Unit Guide daily! **USE YOUR UNIT GUIDE!**
12. **Complete all homework & projects.** Don't wait until the last minute.  
– **Check your Unit Guide daily!**
13. **STUDY, STUDY, STUDY**
14. **Use the class web sites.** Review Activities, Announcements, Extra-Credit!!!
15. **REMEMBER – YOU ARE RESPONSIBLE FOR YOUR OWN LEARNING! No Teacher can assume that responsibility.**
16. **Use that Unit Guide!!!**



## Tutoring!!!

After-school tutoring is available. Please do not hesitate to see me if you are having any difficulties with your work. I am here to help you succeed!!

### Helpful Websites & Resources

**Faculty Website:** <http://www.cabarrus.k12.nc.us/jrhs/facultystaff.htm>  
Under the Science Department, click on Catherine Janssen

**Online Textbook:** <http://glencoe.com/sec/science/ose/>  
**Username:** bdo104    **Password:** Zafaqase5u

**Textbook Website:** [http://glencoe.mcgraw-hill.com/sites/0078675642/student\\_view0/](http://glencoe.mcgraw-hill.com/sites/0078675642/student_view0/)