

Subject Schedule

BIOLOGY

Subjects below will be covered in your Honors Biology class. Subjects have been chosen to best help students complete the state AP Biology test and may be subject to change.

FIRST NINE WEEKS

Chemistry of Life:

- Properties of Biological Molecules
- Relationship Between Structure & Function of Biological Molecules
- Enzymes Act as Catalysts

Cell Structure & Function:

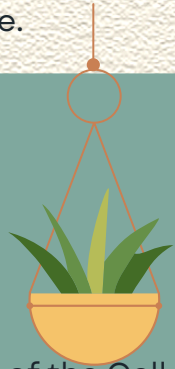
- Compare Prokaryotic and Eukaryotic Cells
- Structure related to function of organelles
- DNA, RNA, Protein Synthesis

Cellular Work:

- Energy Transfer (Light Energy to Chemical Energy)
- Cellular Respiration & Photosynthesis
- Aerobic and Anaerobic
- Life Dependency on Energy Transfer

Cellular Communication:

- Cellular Differentiation
- Gene Expression
- Homeostasis
- Cell Cycle & Regulation of the Cell Cycle



SECOND NINE WEEKS

Ecology:

- Interactions Between Organisms
- Energy Flow
- Population Ecology
- Community Ecology
- Biodiversity
- Disruptions of Ecosystems

Heredity:

- Meiosis
- Genetic Variation & Evolution
- Mendel & Inheritance Patterns

Genetic Expression:

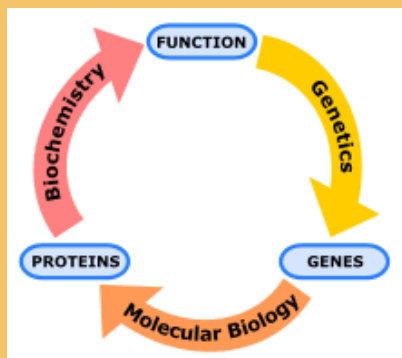
- DNA/RNA Structure
- Replication
- Protein Synthesis
- Gene Regulation
- Gene Expression
- Mutations & Natural Selection
- Biotechnology

Natural Selection & Evolution:

- Types of Selection
- Population Genetics
- Evidence for Evolution
- Phylogeny
- Speciation & Extinction
- Origins of Life



MENDELIAN GENETICS		BYJU'S	
Pistil ♀		Pollen ♂	
		B	b
♀	B	BB	Bb
	b	Bb	bb



BIOLOGY SYLLABUS

Procedures & Expectations

CONTACT INFORMATION

Name: Ms. Burris
Email: burrisk@gcsnc.com
:Phone: (336) 517-7951



CLASS ROUTINE

1. Read the Canvas page for agenda of the day & instructions
2. Turn in assignments if needed
3. Complete the Warm Up if there is one
4. Check Canvas for missing work (especially if you missed class)

BELL RINGS: NOW WHAT?

1. Listen to instructions & follow them
2. Ask questions, write notes & stay organized!



GRADING SCALE

Grading is done in a "total point" system.

- 100%-90% = A
- 89%-80% = B
- 79%-70% = C
- 69%-60% = D
- 59% and Lower = F



Students with a failing grade will be required to participate in "Saturday School Session" to make up assignments for a better grade.

ABSENCE

Unplanned Absence (Illness, Emergency, etc.)

- Contact Ms. Burris ASAP (email, text, or phone)
- Check Canvas page and see what we did that day
- Complete assignments for that day
- 1 week late work extension may be granted



MATERIALS

- Pencil(s)/Pen(s)
- Three Ring Binder
- Laptop
- Highlighter



CLASS INFO

Learning Platform: Canvas

Labs/Assignments: Required assignments and labs are given to you by Ms. Burris and are taken for grades.

Announcements: Will be posted on Canvas page regularly

Weekly Updates: weekly updates will be given regularly and posted on Canvas



DISCIPLINE

All discipline procedures will follow the outline given out in the student handbook. For more details, please contact our Vice Principal.

PERSONAL ITEMS

The following items will be **COLLECTED** at the **START** of class:

- Personal electronics (cell phones, tablets, headphones, etc.)



Planned Absence (Vacations)

- Inform Ms. Burris ASAP
- Collect all required materials before departure
- Complete all assignments and turn in when you return. There may not be extensions on work if turned in late





BIOLOGY SYLLABUS



GROUP WORK

Biology requires group work. Either in a lab, a project or class assignments. Be prepared to participate to the best of your ability.

TARDIES

- Get ONE grace tardy PER QUARTER.
- After grace tardy is used disciplinary actions will be followed (in student handbook)

LATE WORK

- Late work may be accepted UP TO a week after the due date with a possible 30% deduction.
- It is your responsibility to turn work in on time.
- Most due dates are available and posted on Canvas



LEARNING OUTCOMES

- Achieve goals that demonstrate scientific literacy
- allow students to become
- active participants in science - building their understanding of the natural world through observations and investigations.

CONSEQUENCES



- *Reminder of the rule or expectation*
- *Seat change and/or student/teacher conference*
- *Parent contact*
- *Discipline referral and parent contact.*

Assessments count for a large majority of your grade. They can consist of things such as:

- Quizzes
- Tests
- Projects
- Presentations



Assessments will very unlikely be able to be retaken, but notes will be allowed on some assessments.

ASSESSMENTS

PASSES

Passes will be given out as allotted by the school. The pass procedure will be the same in this class as is in the school. Please use passes for the following:

- Lockers
- Bathrooms
- Other Classes
- Office



CATEGORY WEIGHTS

• Quizzes	20%
• Tests	30%
• Labs and Projects	20%
• Warm Up/Exit Ticket	5%
• Classwork/Homework	25%
Total	100%

FOOD & DRINK

For your safety and the safety of others, food and drink are not allowed unless otherwise discussed with Ms. Burris. If you would like, you can have a water bottle.



Science is all about effort! Put in the effort, ask for help, and don't give up! You'll be able to learn great things and together enjoy the year!