



Edna Karr Secondary School



A Nationally Recognized Blue Ribbon School of Excellence
2009-2010

BIOLOGY 1 **- THE STUDY OF LIFE-** **SYLLABUS**

Instructor: Ms. Lumod
Room 209
Planning Period 11:30-12:00 (4th Period)
Tutoring Hours (Also available to meet with parents at these times)
4:00-5:00 pm, Monday & Wednesday
8:00-8:30 am, Tuesday
School Phone: 504-3027135
Teacher Phone: 504-3396839
Teacher Email: Sheila.Lumod@theacsa.org
Website: www.slumod.eboard.com
Class Text: Biology by Kenneth Miller, Ph.D. and Joseph Levine, Ph.D., c 2004
Prentice Hall, price \$58.00

Course Description:

This course includes investigations of the living environment. Students conduct these activities to establish further observations, measurements, and classifications of the various life forms. Patterns of similarities and differences within the diversity of life establish the basis for understanding the special relationships among living things in ecosystems. (*Louisiana Department of Education*)

Course Objectives:

- To encourage, motivate and develop students to be life-long learners;
- To strengthen critical thinking skills in all students to prepare them to positively respond to everyday life's problems;
- To provide opportunities to develop students' scientific and laboratory skills;
- To expose students to a classroom environment that allows students to work successfully in cooperative groups and display their own talents and strengths;
- To equip students with skills, knowledge and positive attitudes for science standardized testing;
- To expose students to new experiences, careers and opportunities in science;
- To deepen students' understanding of the science of life, including:
 - ☺ The Nature of Life
 - ☺ Cells
 - ☺ Genetics and Heredity
 - ☺ Evolution
 - ☺ Classification of Organisms
 - ☺ Ecology and Diversity
 - ☺ Human Physiology
 - ☺ Health and Wellness

Material Requirements:

Composition Notebook (for Do Now, Lab Activities and Learning Log)

3-inch Three Ring Binder for Student Portfolio with Ten Dividers Labeled (This will be kept in school. Please ask the teacher for the color.)

- Written Do Now Responses
- Open Notes/Text Quizzes
- Lab Quizzes
- Selected Homework
- Selected Guided Practice
- Homework Quizzes
- Lab Report/Notes
- Vocabulary Flash Cards
- Tests
- Student Choices

1-inch Three Ring Binder for Daily Activities (This will be brought to school everyday.)

Loose Leaf Paper

Blue or Black Ink Pens

Mechanical Pencil

USB Flashdrive (1 or 2 G)

Earphone

Calculator

Metric Ruler

A pack of index cards (5 x 8 inches) for vocabulary cards

\$15.00 Lab Fee – Due by Monday August 31st

** A parent or guardian must contact Ms. Lumod (504-3396839) if there is a problem turning in the lab fee by the due date.*

All materials must be class daily starting August 17, 2009 (Monday)!

Assessment and Grading Scale:

Classwork (Do Now's / In Class-Assignments) -----	10%	A	93 - 100
Homework (Given Monday – Friday) -----	5%	B	85 - 92
Labs -----	20%	C	77 - 84
Projects -----	15%	D	70 - 76
Tests & Quizzes -----	25%	F	0 - 69
Semester Exam -----	25%		

*** Student grades at Edna Karr are based on a semester of work. Students will earn ½ unit of credit at the end of each semester (fall and spring) this year. Quarters one and three will be progress reports only.*

Explanation of Assessment:

- Classwork includes all work done during the class period, including Do Now's. Do Now's are graded no later than 10 minutes after the bell has rung. If a student is late, he or she receives no credit for the warm up. Classwork also includes the students' notes. The students will use the split-page note-taking format and will be checked regularly. Notes is worth 10 points.
- Homework will be collected and graded daily. Homework will not be accepted after the due date unless the student was absent. Homework is usually worth 10 points.
- 100 point labs will be done in groups, but each student will be responsible for handing in a lab report based on the group's findings. All students must follow lab report guidelines (to be given later) to receive credit for their reports. Lab reports must be submitted on time. Late lab reports will not be given any credit.
- Each semester students will be assigned one project that will study a certain aspect of science. During the fall students will complete a Science Investigative Project. During the spring students will complete a multimedia project. The vocabulary card will also be graded as a project. The students are required to make a vocabulary card for every vocabulary word posted on the word wall. Please refer to the sample below on how to make the vocabulary card:
- Tests or quizzes are given on a weekly basis. Students must review their LABS, NOTES, CLASSWORK & HOMEWORK to study for assessment.
- A cumulative Semester Exam will be given at the end of each semester and counts for 25% of the final grade.

Class Expectations, Consequences and Rewards

CLASS EXPECTATIONS

- **C**ome to class prepared (classroom supplies ready, with assigned homework and wearing the prescribed uniform).
- **O**bserve and follow teacher directions (following the expectations).
- **U**phold classroom procedures and policies (following the daily routines and procedures)
- **G**o for the GOLD! (doing all required assignments and submitting on time).
- **A**rrive on time (be in class on time otherwise, serve SWD the following day).
- **R**emain quiet and seated before tardy bell and during class activities unless otherwise directed (avoid unnecessary talking and getting up).

Rewards:

- Bio Buck will be given to students who display positive behavior and follow the expectations. The students can purchase supplies using the BioBuck. The available supplies will vary.
- The BioBuck can be exchanged for passes (late homework pass, free homework pass, 5 bonus points, computer time, restroom pass).
- The BioBuck can be used as entry to the Student of the Month.

Consequences

If a student violates the class expectations or class rules, Ms. Lumod will follow the schedule of consequences below.

- 1st Offense: Teacher Consequence: Morning or After School Detention
 2nd Offense: Parent/Teacher Conference (Phone call or in person)

- 3rd Offense: Administrative Conference (Referral form)
4th Offense: Suspension

Attendance:

Louisiana law states that if a student misses eight unexcused days in a semester they fail that semester.

Classroom Procedures/Policies

- ☺ Tardy students who come to class without a pass will receive a School Wide Detention.
Tardy students must
 - Hand in yellow slip/excuse slip.
 - Proceed to your seat.
 - Start working.
- ☺ Students have five passes out of the class during each quarter (for any reason – office, counselor, nurse, restroom, water). Students who need to have a pass must
 - Prepare 10 Bio Buck tickets.
 - Get yellow slip from the teacher.
 - Fill in complete info.
 - Ask the teacher to sign.
 - Exit the door.
 - Give back the yellow slip upon return.
- ☺ Students who need to be checked-out must
 - Present an official check-out form to the teacher. Official announcement through the PA System is acceptable.
- ☺ There are areas in the classroom that are off-limits to the students.
 - No entry areas: Supplies Room and behind teacher's tables & front of the board.
 - Never open closet doors, cabinets and teacher's drawers.
 - Never operate the promethean board, desktop computer, TV, & other electronic devices.
- ☺ Some officials and staff may come to the room for an important business. If somebody knocks at the door, students must
 - Remain seated (Only the teacher will open the door unless a student is given the direction to open the door).
 - Greet the visitors with due respect.
- ☺ If students finish any class assignment early, students must
 - Remain seated.
 - Copy notes/homework.
 - Read books.
 - Prepare for next class.

- ☺ If a student has a cell phone out during class, Ms. Lumod will confiscate the phone. The phone will be given to administration and held for two weeks. If a cellphone is not surrendered, the student will be referred to the office for disciplinary action.

- ☺ Students with persistent academic (and/or behavior) problems will work with their parent and Ms. Lumod to make and follow an academic plan to move towards success.

Lab Safety:

Safety is the most important priority in lab activities. Each student will receive a Student Safety Contract. Students are required to read and sign the contract. Serious consequences will be applied to students who violate the lab safety rules and procedures.

Make-Up Work:

- If a student is absent from school and he/she has an official note excusing the absence, he/she has ONE WEEK from the return to school to make up any missed assignments. Assignments for each day can be found in the file in the front of the class. AFTER ONE WEEK, ASSIGNMENTS WILL GO FROM INCOMPLETE TO A FAILING GRADE.
- If a student is absent on test day, the student must come within the following week to take the test after school. (Please refer to the tutoring schedule). AGAIN, TESTS MUST BE MADE UP WITHIN ONE WEEK.
- If a student is absent the day before the test, the student MUST still take the test. The student is responsible for studying while absent (tests are scheduled far in advance).
- Any student who needs to do a make-up work must schedule for an appointment with the teacher a day before the schedule.

GENERAL PACING GUIDE: BIOLOGY

Quarter	Dates	Unit	Concepts and Skills Learned / Enhanced
1 st Quarter	Aug 10 – Oct 9	The Nature of Life and Intro to Biology	Lab Safety, Characteristics of Life, Identifying Scientific Problem, Formulating Hypothesis, Scientific Variables, Accurate and Precise Measurement, Significant Digits, Scientific Notation, Proportion, Experiment Design, Graphing, Interpreting Data, Statistics, Writing Lab Reports Book: Chapter 1
		Cells	Use of Microscope, Differentiating Cell Types and Cell Organelles, Nucleic Acids (DNA and RNA) Book: Chapters 2, 7,
2 nd Quarter	Oct 12 – Dec 11	Life Requirements	<u>Molecules of Life</u> (Carbohydrates, Lipids, Proteins, and Nucleic Acids), <u>Protective Barrier Around Macromolecule</u> - Cell Membrane (Cellular Transport), <u>Water Disposal System</u> – Lysosome, <u>Response to Stimuli</u> , <u>Required Energy</u> – Chloroplasts and Mitochondria (Photosynthesis and Respiration), <u>Cell Maintenance</u> - Ribosomes to Make Proteins and Enzymes, <u>DNA Duplication</u> – Nucleus (Mitosis and Meiosis) Book: Chapters 2, 7, 8, 9, 10
		Heredity	Mendelian Genetics, Punnett Square and Human Heredity Book: Chapters 11, 12, 13, 14
3 rd Quarter	Jan 4 – Mar 5	Life Variation	Levels of Classification – Kingdoms and Taxonomy, Differentiating Prokaryotes and Eukaryotes, Viruses, Protists, Fungi, Plants, Animals (Vertebrates and Invertebrates) Book: Chapters 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34
		Comparative Anatomy	Human vs. Invertebrates Book: Chapters 26, 27, 28, 29
		Evolution	Organ Development and Embryology, Fitness, Population Variation Book: Chapters 15, 16, 17
4 th Quarter	Mar 8 – May 15	Life Interaction	Ecology, Biogeochemical Cycles and Human Impact Book: Chapter 3, 4, 5, 6
		Origin of Life	Formation of Solar System, Processes that Changes the Earth's System, Resource Management, Environmental Awareness and Protection, Personal Choices and Responsible Actions

School-Wide Policies

Dress code/ Uniform Policy

The official Karr school uniform consists of a purple golf shirt, khaki long pants, black belt, socks and black closed toe shoes. Uniforms are worn daily and are neat, clean, and follow school uniform guidelines. Shirts must be tucked in and *pants MUST be worn at the waist*. Oversized belt buckles and oversized jewelry are not permitted. Infractions will result in being assigned school wide detention held after school in the cafeteria.

Use of Electronics Policy

Radios, cassette players, CD players, MP3 players, IPODS, and beepers are prohibited and will be confiscated. Cell phones are allowed but must be turned off before the student enters the school building and **must be kept out of view.** **Students are not allowed cellular phones during the school day.** Improper use will result in the confiscation for a minimum of two weeks of the cell phone; parents may retrieve confiscated cell phones at the principal's discretion. **Possession of cell phones during standardized testing will result in suspension and the student's test will be voided.**

Academic Honesty Policy

Karr students are expected to complete all assignments and all tests/exams honestly. To ensure that all Karr students produce their own work, the following Academic Honesty Policy is enforced. For the purposes of this policy, cheating is defined as "accepting or providing work or information that is not one's own."

Major: <i>Exam, Chapter/Unit Test, Research/Term Paper</i>		Minor: <i>Quiz, Class work, Homework</i>
1st Offense	F on assignment, parent-teacher conference	F on assignment, phone call to parent
2nd Offense	F on assignment, in-school counseling, removal from elected office/position, unable to represent the school at outside academic or leadership functions	F on assignment, parent-teacher conference
3rd Offense	F on assignment, Saturday School	F on assignment, in-school counseling, removal from elected office/position, unable to represent the school at outside academic or leadership functions
4th Offense	F on assignment, suspension	F on assignment, Saturday School,
5th Offense	F on assignment, suspension	F on assignment, suspension
6th + Offense	F on assignment, suspension	F on assignment, suspension