



Parkview High School

COURSE SYLLABUS

COURSE TITLE.....Honors Biology
TEACHERApril Ledford

TERM2011-2012
ROOM #.....12.107

Email Address	april_ledford@gwinnett.k12.ga.us
Teacher Web Page	www.mrsledford.com
Teacher Support	I am available to provide extra help before and after school. It is best to see or e-mail me in advance to schedule a time to come for help.

COURSE DESCRIPTION

Concepts for this two-semester course include the in-terdependence of organisms; the relationship of matter, energy, and organization in living systems; the behavior of organisms; and biological evolution. Students will investigate biological concepts through experience in laboratories and field work using the processes of inquiry.

COURSE CURRICULUM CONTENT

The entire list of Academic, Knowledge and Skills for each of the following curriculum strands in this course can be accessed through the district web address at www.gwinnett.k12.ga.us

AKS STRANDS	UNITS/TOPICS/CHAPTERS	
A. Characteristics of Science B. Academic Knowledge	1. Introduction to Biology (1) 2. Ecology (2-5) 3. Biochemistry (6) 4. Cells (7) 5. Cell Transport (7-8) 6. Cell Energy (9) 7. Cell Reproduction and Meiosis (8,10)	8. Molecular Genetics, DNA, Protein Synthesis (11-12) 9. Heredity, Genetic Technology (10, 12, 13) 10. Evolution (14-16) 11. Classification and Kingdoms (17-32) 12. Systems (34-39)

INSTRUCTIONAL MATERIALS AND SUPPLIES

Published Materials	Instructional Supplies
<i>Biology: The Dynamics of Life</i> Replacement Cost = \$55.95	1) Three Ring Binder 2) Paper 3) Pencils/Pens

EVALUATION AND GRADING

First Semester	Second Semester	Grading Scale
Classroom Assessments (Quizzes, Labs, Classwork, Homework): 35% Interim Assessment: 5% Summative Assessments (Tests, Projects, Lab Practicals): 40% Performance Final: 5% Comprehensive Final Exam: 15%	Classroom Assessments (Quizzes, Labs, Classwork, Homework): 35% Interim Assessment: 5% Summative Assessments(Tests, Projects, Lab Practicals): 35% Performance Final: 5% EOCT: 20%	A: 90 and above B: 80 – 89 C: 74 – 79 D: 70 – 73 F: 69 or below

OTHER INFORMATION

Expectations for Academic Success	Additional Requirements/Resources
1) Read daily 2) Ask questions 3) Participate constructively as a team member 4) Proof read written assignments and edit meaningfully 5) Review multiple sources of information 6) Challenge yourself to continuously improve	<ul style="list-style-type: none"> • Tutoring Available • Teacher Website • Textbook

The syllabus may be updated as needed throughout the semester.

Classroom Rules:

- **Come to class prepared!** This means bring your book, notebook, and a pen or pencil everyday.
- **No food or drink in the classroom or during lab.**
- **Be respectful of teachers, students, and property.** This includes doing as you are asked.
- **Stay in your seat until the bell rings!** Packing up your bag early or standing at the door before the bell rings is not acceptable.

Late work:

Students are responsible for any work missed. It is the student's responsibility to ask for work missed, and to make it up before/after school within the allotted time. Work must be made up within 5 school days or you *will* be given a zero. If the absence is unexcused, assignments cannot be made up. Any assignment due on the day of an unexcused absence will be considered late. See me to make an appointment for makeup work. Work will be accepted **ONLY one day late for 30 points off.** (maximum score=70)

Note: If an assignment was given before an absence, the student must be prepared for that assignment on the day they return.

Academic Honesty:

Students are expected to do their own work! Students will learn far more and be much more successful by learning to be honest and by developing their integrity. Cheating is unacceptable and will result in a zero on the assignment, as well as disciplinary measures. Students will sign a statement on all work submitted stating that they neither gave nor received unauthorized assistance on the assignment. Discussions in class will define acceptable authorized assistance. Some assignments will have special circumstances for that assistance, and students are expected to pay attention to those circumstances and will be held accountable for those instructions.

Biology AKS (College Prep, Honors, Gifted)

- Evaluate the importance of curiosity, honesty, openness, and skepticism in science
- design and conduct scientific investigations
- apply standard safety practices for all classroom laboratory and field investigations
- use technology to collect, observe, measure and manipulate data and findings
- use valid critical assumptions to draw conclusions
- apply computation and skills necessary for analyzing data and developing conclusions
- communicate scientific investigations clearly
- read scientific materials to establish context for subject matter, develop vocabulary & be aware of current research
- analyze the relationship between structures and functions in living cells
- analyze how biological traits are passed on to successive generations
- examine the relationship between unicellular & multi-cellular organisms and the increasing complexity of systems
- evaluate the dependence of all organisms on one another & the flow of energy and matter within their ecosystems
- evaluate the role of natural selection in the development of the theory of evolution