

Syllabus for Intro to Biology

Students will gain an understanding of how living systems function and how they interact with the physical environment. Upon completion of this course students will have a broad understanding of cells, heredity, evolution, and ecology. Students will examine these principles through a variety of methods including inquiry, projects, and research. Textbook *Biology: Exploring Life* Pearson, 2004

LHS Biology Instructional Pacing Chart

<u>Unit Name</u>	<u>Chapters (Approx. days to cover topic)</u>
Exploring Ecology	Chapter 34: The Biosphere (9) Chapter 35: Populations and Community Ecology (8) Chapter 36: Ecosystems and Conservation Biology (7)
Matter and Energy	Chapter 4: Chemical Basis of Life (5) Chapter 5: The Molecules of Life (9) END 1st 9 WKS. Chapter 7: The Working Cell: Energy from Food (5) Chapter 8: The Working Cell: Energy from Sunlight (5)
Exploring Cells	Chapter 6: A Tour of the Cell (8)
Exploring Inheritance	Chapter 9: The Cellular Basis of Inheritance (6) Chapter 33: Reproduction and Development (3) Chapter 10: Patterns of Inheritance (10) Chapter 11: DNA and the Language of Life (9) END 2nd 9 WKS. Chapter 12: Human Genetics (7) Chapter 13: Frontiers of Genetics (5)
Exploring the History of Life	Chapter 14: Evolution-A History and a Process (11) Chapter 15: Origins of Biological Diversity (10) END 3rd 9 WKS. ***OGT TEST WEEK***
Exploring the Microbial World	Chapter 16: Prokaryotes and Viruses (5) Chapter 17: Protists (3) Chapter 18: Fungi (2) Chapter 19: Plant Diversity (5) Chapter 23: Invertebrate Diversity (4) Chapter 24: Closer Look at Arthropods (4) Chapter 25: Vertebrates-Fishes and Amphibians (10) Chapter 26: Vertebrates-Reptiles, Birds, and Mammals (7)
	END 4th 9 WKS. Total 157 days

EXPECTATIONS FOR MR. MCKINNEY'S SCIENCE CLASSES

CLASSROOM BEHAVIOR:

1. BE ON TIME AND BE SEATED WITH THE BELL RINGS. (WE CAN'T BEGIN IF YOU AREN'T HERE.)
2. WAIT TO BE DISMISSED AT THE END OF THE INSTRUCTIONAL PERIOD ESPECIALLY IF I AM STILL TALKING.
3. **STUDENT IS RESPONSIBLE FOR ALL** CLASS WORK AND ASSIGNMENTS!
4. **STUDENT IS RESPONSIBLE FOR ALL** MAKE-UP WORK. (REFER TO LHS POLICY FOLDER)
5. PLEASE USE YOUR TIME WISELY!

(READ AND FOLLOW THE SCHOOL POLICY FOLDER!)

*ALL MATERIALS BROUGHT INTO CLASS MUST BE ABLE TO FIT UNDER YOUR SEAT AND OUT OF THE ISLES (THIS IS A SMALL ROOM). **NO FOOD OR DRINK IN SCIENCE CLASSES)**

*I WILL ONLY SIGN **ONE** PASS PER NINE WEEKS AND ON **YOUR** PASS SHEET ONLY.

DISCIPLINE:

1. HANDLED IN CLASSROOM...
2. AFTER OR BEFORE SCHOOL DETENTION... (INVOLVES PERSONAL OR SCHOOL IMPROVEMENT)
3. EXTREME MEASURE--REFERRED TO THE OFFICE...

GRADING:

Louisville Schools Uniform grading scale:

98-100 A+; 95-97 A; 92-94 A-; 89-91B+; 86-88 B; 83-85 B-; 80-82 C+; 77-79 C; 74-76 C-; 71-73 D+; 68-70 D; 65-67 D-; 60-64 F

All grades are weighted by points (least points to greatest)

Homework & Classwork, then

Labs & Quizzes, and then

Tests & Projects

Semester Exam (____%)

IT IS ADVISABLE THAT THE STUDENT BE CONCERNED AND RESPONSIBLE ENOUGH TO MONITOR PINNACLE FOR THEIR GRADES AND TO CROSSCHECK WITH MY RECORDS IN CASE OF ERRORS. PLEASE OBTAIN YOUR PASSWORD AS I DO NOT HAVE ACCESS TO PROVIDE THAT FOR YOU.

1. COMPLETION OF ALL WORK ON TIME IS A NECESSITY. **IT CAN MAKE OR BREAK YOUR GRADE!** IT IS VIRTUALLY IMPOSSIBLE TO FAIL IF ALL WORK IS COMPLETED AND ON TIME.
2. A REVIEW IS GIVEN AS A COURTESY, NOT A REQUIREMENT. TAKE ADVANTAGE OF THEM....
3. PLEASE DO NOT ASK FOR BONUS-THERE IS NONE.
4. "SLEEP" AT HOME NOT IN CLASS. "SLEEPING" WILL RESULT IN AN F FOR THE ENTIRE DAYS ACTIVITIES.
5. **MULLIGAN:** 1 LATE AND 1 CORRECTED WORK WILL BE ACCEPTED FOR 1 DAY AFTER DUE DATE FOR LATE WORK AND 1 DAY AFTER GRADED AND RETURNED FOR CORRECTED WORK. **ONLY ONCE PER 9 WEEK GRADING PERIOD AND MUST BE CITED!**
6. LAB MAKE UP: FIND AN ARTICLE RELATING TO TOPIC BEING COVERED (6 MO. OLD OR NEWER), COPY ARTICLE, WRITE 1/2 PG SUMMARY, AND WRITE 1 PAGE ESSAY. INCLUDE HOW IT RELATES, HOW YOU FEEL ABOUT IT, WHAT YOU LEARNED ETC...

SOME NOTES CONCERNING PLAGIARISM (CHEATING) **:

DURING ANY AND ALL TESTS, EXAMS, OR QUIZZES AND HOMEWORK/CLASSWORK THE FOLLOWING RULES MUST AND WILL BE ENFORCED:

1. ABSOLUTELY NO TALKING!! ALL QUESTIONS MUST BE DIRECTED TOWARD THE INSTRUCTOR.
2. ALL BOOKS AND OTHER MATERIALS MUST BE UNDER THE STUDENTS DESK DURING TESTS AND QUIZZES.
3. COVER SHEETS ARE HIGHLY RECOMMENDED. THIS HELPS TO PREVENT A STUDENT FROM BEING ACCUSED OF LENDING HELP TO PLAGIARISTS.
4. FOCUS ATTENTION AN YOUR OWN WORK! WANDERING EYES LEAD TO ACCUSATIONS.
5. DO YOUR OWN HOMEWORK UNLESS GIVEN PERMISSION TO WORK TOGETHER.
6. **REFER TO PAGES 8-10 OF LHS POLICY FOLDER FOR FULL DEFINITIONS AND CONSEQUENSES.**

GENERAL RULES OF LIFE IN MY CLASS:

I WILL TOLERATE NO STUDENT STOPPING ME FROM TEACHING OR ANOTHER STUDENT FROM LEARNING!
(PLEASE DO NOT BRING ANY ITEM INTO THE CLASS THAT COULD CAUSE THIS TO OCCUR--POLICY FOLDER)

I WILL TOLERATE NO STUDENT ENGAGING IN ANY BEHAVIOR THAT IS NOT IN HIS OR HER BEST INTEREST OR
IN THE BEST INTEREST OF OTHERS.

YOU HAVE A CHOICE: FOLLOW THE RULES AND ENJOY THE REWARDS, OR MISBEHAVE AND ACCEPT THE
CONSEQUENCES.

**HAVE A GOOD ATTITUDE AND MAKE A SINCERE EFFORT. I AM HERE TO HELP YOU - BE FAIR AND HONEST
WITH ME, AND I SHALL BE FAIR AND HONEST WITH YOU.**

ATTENTION:

**YOU ARE TAKING A HIGH SCHOOL COURSE THAT WILL OCCASIONALLY MOVE FAST--IT IS EXPECTED THAT
YOU WILL SEEK HELP AND ASK QUESTIONS. I HAVE OVER 130 STUDENTS AND IT CAN BE DIFFICULT TO SPOT
PROBLEMS BEFORE THEY SHOW UP IN GRADES. I CAN HELP YOU BUT I'M NOT A MIND READER. FEEL FREE
TO COME TO ME WHEN YOU ARE HAVING DIFFICULTIES, **I WOULD LOVE TO HELP!!!**

RESOURCES FOR INT. BIOLOGY 10: CD-ROM, CLASSROOM TEXTBOOK , INTERNET TEXTBOOK WEB SITE,
STUDY TABLES USUALLY ONCE A WEEK, AND INSTRUCTOR.

RESOURCES FOR ANATOMY AND PHYSIOLOGY: TEXTBOOK, INTERNET, TEACHERS TEXTBOOKS, A.D.A.M.-CD-
ROM, AND INSTRUCTOR.

I HAVE READ THE SYLLABUS AND EXPECTATIONS CONCERNING
MR. MCKINNEY'S CLASS AND I FULLY UNDERSTAND
THE REWARDS AND THE CONSEQUENCES.

STUDENT:

I AGREE UPON SIGNING THIS TO FOLLOW THE RULES AND ACCEPT THE CONSEQUENCES, BOTH POSITIVE
AND NEGATIVE. I ALSO UNDERSTAND MR. MCKINNEY'S GRADING PROCEDURES AND ACCEPT THE
RESPONSIBILITY THEREIN.

PARENT:

I FULLY UNDERSTAND THE PREVIOUS PAGES AND AGREE TO AID IN THE SUPPORT OF THE RULES AND THE
EDUCATION OF MY CHILD.

PARENT: _____(BIOLOGY STUDENTS ONLY)

STUDENT: _____(ALL STUDENTS)