

# Biology Class Syllabus

2007-2008

Mr. Hollingworth

Room #308

Email: [fhollingworth@acslp.org](mailto:fhollingworth@acslp.org)Website: <http://www.hollingworthadventures.com/SchoolPages/MrHClass.html>**Text:**

Levine, J., & Miller, K. (2002). *Biology*. Prentice Hall Publishing: Upper Saddle River, NJ.

**Course Description:**

This course will provide students with a basic knowledge of biology. It is designed to provide an excellent background for students who are interested in studying science in college. This class will include lecture, labs, tests and quizzes, homework, and class projects.

**Rules and Expectations:**

<b>Materials Needed:</b> Each student should bring the following items to class <b>every day</b> : <ul style="list-style-type: none"> <li>• “Biology” Textbook</li> <li>• 3-Ring Binder</li> <li>• Notebook and Planner</li> <li>• Black Pen</li> <li>• Red Pen</li> <li>• Pencil</li> </ul>	<b>Student Responsibilities</b> <ol style="list-style-type: none"> <li>1. Be present and on time for class.</li> <li>2. Be considerate of others.</li> <li>3. Complete assigned work on time.</li> <li>4. Do not bring food or drinks to class, except water.</li> <li>5. Follow school guidelines.</li> <li>6. Be responsible for your own success in class.</li> </ol>	<b>Teacher Responsibilities</b> Mr. Hollingworth will: <ol style="list-style-type: none"> <li>1. Treat every student fairly.</li> <li>2. Treat every student with respect.</li> <li>3. Work diligently to help students learn.</li> <li>4. Follow school guidelines.</li> <li>5. Have high expectations for every student.</li> <li>6. Assist students in growing as people and in their understanding of the subject matter.</li> </ol>
<b>Grading Scale</b> 90-100% A 80-90% B 70-80% C 60-70% D Below 60% F	<b>Grades Will Be Weighted As Follows:</b> Tests/ Quizzes/ Assessments      60% Homework / Projects/Lab      30% Non-Academic    10% ----- Total 100%  <u>Sem 1:</u> Q1 (40%)+ Q2 (40%)+ Final Exam (20%)= Semester Grade  <u>Sem 2:</u> Q3 (40%)+ Q4 (40%)+ Final Exam (20%)= Semester Grade	<b>Non-Academic Grade:</b> Students will be assessed in two areas and assigned a non-academic grade which will count for 10% of their quarter grade (as shown in the box to the left):  <b>Personal Timeliness-</b> are they on-time regularly with materials?  <b>Behavior-</b> do they regularly exhibit behavior that contributes to their success and to the success of other students in class?

<p><b>Homework Policy:</b> Homework is due the date and time it is due. If not turned in on time, the student will have up to one week to complete the homework for HALF CREDIT. After one week, the student may turn in the homework assignment, but it will NOT count for credit. Homework from a student that had an excused absence must be turned in within the amount of time that they were absent from school to receive full credit. Homework without a name on it, or that is illegible, will NOT be graded and will thus receive a score of ZERO.</p>	<p><b>Test Policy:</b> Tests and assessments must be completed in class the day they are given. If you are absent during test day, you must make it up within the amount of time that you were absent from school. You must also have an excused absence. If you do not make the test up within the required time with an excused absence, you will receive a ZERO for the test.</p>	<p><b>Tardy Policy:</b> -Students must be in their seats ready to start class when the bell rings. -Students who are tardy will receive a teacher consequence appropriate to their infraction in accord with ACS policies as noted in the handbook.</p>
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### Yearly Curriculum Map: Semester 1

Unit	Chapter(s)	Essential Questions:
What is science?	1	-How does science differ from other disciplines? -How do we conduct science? -Which types of questions does science answer?
Ecology	3,4.5.6	--How are organisms and their environments related? --How are humans related to these organisms and the factors that affect them? --To what extent do humans influence the natural environment?
Biochemistry	2	-What are the biochemical compounds that make up organisms? -What are these biochemical compounds used for and why are they important?
Cell Theory and Cell Structure and Function; Bacteria and Protists	7	-What are the parts of the cell and how do they function? -How do cells perform life functions? -How do cells work with other cells in multi-cellular organisms? --How do unicellular and colonial bacteria and protists perform life functions?
Photosynthesis and Respiration	8,9	-How do the processes of photosynthesis and respiration function? -How do they compliment each other? -Why are they important to life processes and how do they affect our daily lives?

**Yearly Curriculum Map: Semester 2**

<b>Unit</b>	<b>Chapter(s)</b>	<b>Essential Questions:</b>
Cell Division, Mendelian Genetics, DNA, Protein Synthesis	10,11,12	-Why are the processes of cell division, genetic recombination, and protein synthesis important to organisms? -What are the steps present in each of the processes? -How are these processes important in sustaining life on earth?
Evolution, Classification	15,16,18	-How do organisms change over time? -Why is change over time important in populations? --Which characteristics show links between different groups of organisms?
Plant Diversity	22	--What are the similarities and differences between plant groups? --How do these adaptations allow these plants to thrive in their ecosystems?
Animal Diversity	26-33	--How do different animal phyla differ? --How do these adaptations allow these animals to thrive in their ecosystems?
Fungi	21	--What are the different types of fungi? --How do these different types differ?

**Academic Honesty and Personal Integrity**

Personal integrity is expected of all students. It is your responsibility to conduct yourself in a manner that demonstrates respect for one’s self, others, and the community at large. Honesty in word and deed is an expectation and a requirement. It is not possible to anticipate all potential breaches of personal integrity. However, you are urged to avoid conflicts stemming from cheating. Cheating is defined as:

- Copying another student’s work during an examination or on homework
- Asking for or giving unauthorized assistance during any exam, paper, homework assignment, etc.
- Using written, verbal, or mechanical source(s) of information during an assessment without previous approval from the teacher
- Studying any copy of the current or previous assessments without authorization by the teacher
- To falsify information given in a written report, examination, or oral presentation
- To fail to follow specified instructions during an assessment

Any breaches of personal integrity outlined above, or possibly in other areas of individual behavior, will be considered a major infraction at the American Cooperative School and may result in the student receiving no credit for the paper, project, assessment, or course.

**Plagiarism**

Academic integrity requires that any ideas or materials taken from another source be fully acknowledged. Offering the work of someone else as one’s own is plagiarism. This may range from isolated formulas, sentences, or paragraphs to entire articles or works copied from books, periodicals, the internet, speeches, or the writing of other students.

Parent Name (Printed): _____	Signature: _____
Student Name (Printed): _____	Signature: _____
Date: _____	