**Biology 1**

**Course Objectives:** Biology is the study of life. During this semester students will study major biological concepts and learn how they can apply this knowledge to new situations in and out of the classroom. This curriculum is “inquiry based” and gives students many opportunities for hands on, self directed experiences embracing diverse learning styles.

**Instructor:** Laura Cowin-Sugden  
**Classroom Phone:** 541.355.3867  
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**Prep Period:** 1st period 7:45-8:35 (best time to call)

**Qualifications:** Biochemistry- B.S., 1994, M.S., 2002  
National Board Certification Adolescent and Young Adult Science, 2007

**Materials Needed:** Students will need to bring a notebook devoted to ONLY BIOLOGY for class by Monday. 120 pages works best.


**Website:** http://laurasugden.weebly.com (I post assignment schedules, notes & handouts)

**Course Outline**:

<table>
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<tr>
<th>Week</th>
<th>Chapter</th>
<th>Unit</th>
<th>Unit Description</th>
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| 1-5  | 1       | 1    | *What Defines Life?*  
(Inquiry Scientific Method, 6 Characteristics of Life) |
| 6-10 | 2       | 2    | *Molecular Basis of Life*  
(Chemistry Review, Biochemistry) (pH, Properties of water, Enzymes) |
| 11-15| 7 & 10  | 3,4  | *Organization of Life*  
(Cells, Organelles, Membranes) (Cell Cycle and Growth-Mitosis) |
| 16-20| 8 & 9   | 5,6  | *Energy of Life*  
(Photosynthesis, Cellular Respiration) |
| 21-25| 11-14   | 7    | *Mechanisms of Life*  
(Meiosis, Genetic Inheritance, DNA, RNA) |
| 26-30| 15-17   | 8    | *Diversity of Life*  
(Adaptation, Change Over Time, Populations, Geologic Timeline) |
| 31-36| 3-6     | 9    | *Balance of Life*  
(Ecology, Energy Flow, Ecosystems, Biomes) |

*This is an estimated timeline, but subject to change!

**Grading:**

Group Projects, Classwork, Homework-30%  
Participation-10%  
Unit Exams, Quizzes -40%  
Lab Reports, Work Samples-10%  
Lab Notebook & Science Dictionary Checks-10%

**Class Policies:**

1. **“EVERYONE DOES EVERYTHING! NO BYSTANDERS!”**

2. We will all treat one another with RESPECT! Students will work in cooperative groups and grades will be based on individual and cooperative work. Groups will be assigned randomly and rotated every four weeks. Every group member will be assigned a role at the beginning of the rotation. Roles include Resource Managers, Task Manager, Assignment Manager, and Communication Manager.

3. Cooperative groups have the opportunity to gain points towards their individual participation grades (10%) every day! Groups can earn points by answering warm up questions, homework questions when we go over it as a class, or modeling courteous citizenship. Conversely inappropriate behavior can lead to a reduction of points. At the end of the rotation students should have earned at least 10 points. These points are kept track of as a running total. Participation grades are then recorded for each individual student in that group and count for 10% of their total grade. Work together...we are better that way!
4. Progress reports are emailed out every Friday IF YOU PROVIDE AN EMAIL, but paper copies can be obtained on request. I will have them ready for you to pick up after school the same day you ask.

5. NO LATE WORK WILL BE ACCEPTED UNLESS YOUR ABSENCE IS EXCUSED. Absences are considered excused when your parent/guardians have notified the office with your excuse and office staff has entered it into eSIS. Otherwise the absence is considered unexcused. Your assignment will not be graded and entered into the grade book until your unexcused absence is officially cleared!

6. Food and Drink are not allowed on days we will be performing a lab, otherwise as long as you CLEAN UP after yourself it is fine. If the room gets too messy though I will revoke this rule without warning!

7. PERSONAL ELECTRONIC DEVICES are NOT ALLOWED in class. By the way, this includes cell phones, ipod/MP3s, and game devices. Do not wear headphones and tell me that the device is “off.” Do not put 1 ear bud in your ear and tell me “I can hear you just fine.” If these items are visible to me I am mandated by school policy to confiscate them and turn them into the main office until your parent/guardian can pick it up. PLEASE keep ALL ELECTRONIC DEVICES in your bag or locker, don’t put our relationship in jeopardy.

8. Please refrain from swearing in our classroom. This is disrespectful to everyone around you, but most of all yourself. You are better than that!

9. Show respect and care for all of the equipment in the room including art supplies, lab-ware, and furniture. Defacing or wasting any of these items can result in point loss, lunch or after school detention while you return the item to original appearance. Plus I will be very disappointed because I know you are a better person than that!

How To Turn In And Collect Completed Assignments:

- All work should be turned into the appropriate in-box. DO NOT leave things on my desk in my office or hand me the paper while I am occupied with another task. By following these simple policies I have been able to avoid lost work!
- You will find completed and graded work in your personal folder in the appropriate student file cabinet.
- If your paper is not in the box & you know you have turned it in, check the "No-Name" box!

Make Up Work:

- When you are absent you are responsible for obtaining and doing make up work, including quizzes and exams. You have the number of days you were absent to turn in the missing work. See me at LUNCH, or AFTER SCHOOL to set up a time to receive instruction on your missed work. Please do not expect me to be able to get you caught up in the few minutes right before class starts or after it ends as I have to prepare for another class.

Exam Retakes:

- You may make re-take any exam you feel you did poorly on within 1 week (or otherwise posted timeline) of the original exam for up to 85% of total points. It is up to you to make time outside of class to come in and re-take tests. It may or may not be the same exam...get help if needed and re-study the material. Taking the exam again without getting help first is a waste of our time and paper!

Pass Policies:

- There is one pass, consequently only ONE person can leave the room at a time.
- Sign out on the clipboard when you leave, sign in when you return the pass.
- You do not need to ask me if you may go to the restroom...in fact please DON'T interrupt class to do so. If you need to go...go, but remember you are missing instruction so HURRY. I will not re-teach material nor will I wait for you!
- I prefer to treat you as an adult and give you these freedoms, but if you abuse them in ANY way I will revoke your passes for a period of time at my discretion. Please do not put our relationship in jeopardy.