Mission: To educate students to be self-directed learners, collaborative workers, complex thinkers, quality producers, and community contributors

Course Description: Honors Molecular Biology is a very interesting course designed to provide a challenging series of experiences for motivated science students. Students are expected to seek answers to many questions through reading, analyzing data, inquiry, laboratory experiences and research. The teacher's role is to guide students and expose them to new ideas and points of view, but the student is ultimately responsible for utilizing all of the resources to find answers and explain biological phenomena. In this course, one of your most valuable resources is your classmates. Often you will be asked to work together collaboratively to share information, interpretations, points of views and to draw conclusions.

Course Learning Units:

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Spring Semester</th>
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<tbody>
<tr>
<td>Biochemistry</td>
<td>Biotechnology (includes some Heredity)</td>
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<tr>
<td>Cells</td>
<td>Evolution including taxonomy</td>
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<tr>
<td>Bioenergetics/Ecology</td>
<td>Microbiology</td>
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<tr>
<td>Cell Cycle, DNA &amp; Protein Synthesis</td>
<td>Animal Kingdom</td>
</tr>
<tr>
<td>Genetics and Inheritance</td>
<td>Plant Kingdom</td>
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Grading: The course grade will reflect what you have learned, not what you have completed!

Overall Semester grade:

- 85% Course work
- 15% Final Exam

Course Work:

Within each unit, summative and formative sections are weighted as follows:

- 80% Summative (assessments, projects, independently completed lab analysis and conclusions)
- 20% Formative (Daily Work; quizzes; group lab work)

Grading Scale:

- A= 90-100%
- B= 80-89%
- C= 70-79%
- D=60-69%
- F= <59%

Reassessment Policy: In maintaining consistency with Honors Chemistry, there will be NO retakes given on any assignment, quiz, lab or test during the spring semester.

Communication:

- Students should contact their teacher directly to seek extra help, communicate information or express concerns.
- Teachers make every effort to respond to emails and phone calls within 48 hours during the work week.
- Individual teachers will notify students of their office hours and availability.