



***Vision: To create an environment where our learners grow as individuals while gaining professional expertise and skills.***

***Mission: To offer inspiration through advanced instruction and authentic experiences.***

**Instructor:** Kimberly Williams

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### **Biology Principles**

The biology curriculum is designed to continue student investigations and deepen student understanding of the biological sciences. This course is an introduction to the study of living organisms and their interactions with their environment. It includes information about problem solving, making observations, and comparisons. This course further introduces the central concept of the cell, the molecular basis of heredity, biological evolution, the interdependence of organisms, matter, energy and organization in living systems, and the adaptive responses of organisms. Students will explore this subject through many different means, including, but not limited to, Google Classroom, Illuminate, classroom reading, writing, discussion, and laboratory activities. A major goal of this course is to prepare students for the proper study habits required to succeed in the biology program.

### **Course Objectives**

AAS associates will obtain, evaluate, and communicate information to

- analyze the nature of the relationships between structures and functions in living cells.
- analyze how genetic information is expressed in cells.
- analyze how biological traits are passed on to successive generations.
- illustrate the organization of interacting systems within single-celled and multi-celled organisms.
- assess the interdependence of all organisms on one another and their environment.
- assess the theory of evolution.

Required Supplies	
<ul style="list-style-type: none"><li>● Fully charged Chromebook</li><li>● Writing utensil</li></ul>	<ul style="list-style-type: none"><li>● Scientific calculator</li><li>● Composition Notebook (IN)</li></ul>

### Expectations for Academic Success

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| <ul style="list-style-type: none"> <li>● Attend class daily.</li> <li>● <b>NO</b> phones, earpods, smart watches, etc.</li> </ul> | <ul style="list-style-type: none"> <li>● Submit work on time.</li> <li>● Respect yourself and others.</li> </ul> |
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### Grade Calculation

Summative Assessments = 40%	Formative Assessments = 40%
<ul style="list-style-type: none"> <li>● Unit exams, presentations</li> </ul>	<ul style="list-style-type: none"> <li>● Practice Work: classwork, homework, quizzes, labs, Authentic Learning experience, CFAs</li> </ul>
<b>Georgia Milestones (EOC) = 20%</b>	
Biology will have a culminating state exam that assesses associate learning of the semester's course content. The state exam will be 20% of the overall course grade. Winter EOC will take place on <a href="#">Monday, December 9th</a> at the Academy for Advanced Studies.	

### Make-up Work

Absent associates are required to contact the instructor for make-up work. The associate will have the same number of days as they were absent to complete the make-up work.

### Late Work Policy

*Missing/Late work can be submitted (with a 10% deduction) prior to the end of the unit. Once a unit is over, no more work from that unit will be accepted.*

### Extra Credit

No end-of-the unit or end-of-the semester extra credit is available or offered in this class.

### Employability/Soft Skills

School Wide Activities:

- Follow school dress code
- Punctuality
- Professionalism and courtesy

**Student's signature:** \_\_\_\_\_

**Parent's/Guardian's signature:** \_\_\_\_\_