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

**Instructor:** Tasnuva Jhileek, M.A.T

 Email me at tasnuva.jhileek@henry.k12.ga.us.

Please allow 24 hours for a response.

Conferences can be scheduled via the counseling department.

**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.

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| **Required Supplies** |
| * Composition book
* Binder + Paper
* Writing Utensil
* Fully charged Chromebook (test days)
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| **Expectations for Academic Success** |
| * NO phone, NO air pods, NO apple watches
* Attend class daily and submit work on time.
* Respect yourself and others.
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**Grade Calculation**

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| **Summative Assessments = 40%** | **Formative Assessments = 40%** |
| * Unit Exams
 | * Practice Work: classwork, CFA, homework, quizzes, labs, authentic learning experience.
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| **Georgia Milestones (EOC) = 20%** |
| 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 **Thursday, December 7, 2023** at the Academy for Advanced Studies. |

**Late Work / Make-up Work**

Missing 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

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Student Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Parent Signature Date