

# Eagle's Landing High School



## 2020-2021 BIOLOGY (R) Syllabus



Teacher Name: **Grace Swalve**

Room Number: **708**

Office hours: **7:45am-8:15am and 3:15pm-3:45pm**

Email: [grace.swalve@henry.k12.ga.us](mailto:grace.swalve@henry.k12.ga.us)

Website: <https://schoolwires.henry.k12.ga.us/Domain/13717#calendar178454/20200729/month>

**COURSE DESCRIPTION:** This course is designed for one semester and covers the classification, reproduction, and evolution of living organisms as well as their cellular and organismal functions. Biology will investigate scientific processes, interactions between species, the theory of evolution, maintenance of homeostasis, biochemistry, ecology, and genetics. These standards include more abstract concepts such as the interdependence of organisms, the relationship of matter, energy, and organization in living systems, the behavior of organisms, and biological evolution.

- Course content is guided by essential questions such as:
  - How is cell structure related to function?
  - How does cell reproduction ensure the continuation of the species?

- What factors influence how genetic information transfers from one generation to another?
- How can we predict the traits of future generations based on genetic principles, evolution, and impacts of all effects that are involved?
- How might environmental changes drive adaptation of a group of species or individual ones?
- What consequences to the environment occur from human actions?
- Which physical similarities can be used to classify organisms?

**OBJECTIVES:** Students will refine the necessary skills to be proficient in biology by focusing on the identification of patterns, processes, and relationships of living organisms.

- Students will investigate biological concepts through experiences in laboratories and field work using the process of inquiry.
- Students will develop a fundamental understanding of the role of bio-macromolecules, their structure, and function as related to life processes.
- Students will analyze how genetic information is passed to successive generations and how these mechanisms lead to the biodiversity of species.
- Students will use cladograms and phylogenetic trees to determine and analyze relationships among major groups of organisms.
- Students are able to recognize and evaluate the role the theory of evolution plays in explaining how the biodiversity observed within species has led to the biodiversity of life across species.

**TEXTBOOK:** *HMH Resource Student Edition GA Biology Book (\$63.95)*

**TUTORING SCHEDULE:**

- **Tuesday:** Ms. Swalve- Time: 7:40am or by appointment
- **Wednesday:** Ms. Bloomquist- Time *TBA*
- **Thursday:** Ms. Clark- Time *TBA*

**MATERIALS:**

- Chromebook
- Chromebook charger

**GRADING:**

**Category breakdown:**

Assessments - **40%**

Practice Work - **40%**

Final Exam - **20%**

**GPA scale:**

(A) 90-100	<b>4.0</b>
(B) 89-90	<b>3.0</b>
(C) 74-79	<b>2.0</b>
(D) 70-73	<b>1.0</b>
(F) 0-69	<b>0.0</b>

**Academic Honesty Policy:**

All assignments and assessments completed by a student **MUST** be their own original work. Students will not plagiarize or work together on assignments that are not specifically intended for collaboration. Students found violating this policy will be given disciplinary action.

**ATTENDANCE POLICY:** Students are expected to attend class based on our 2020-2021 block schedule on my schoolwires website. Attendance will be taken daily and students are expected to also check in on Infinite Campus.

**TARDY POLICY:**

**\*Will not apply during remote/distance learning\***

**CLASSROOM EXPECTATIONS:** Students are expected to attend class daily and participate in all classroom activities.

**TEACHER REMIND INFO:** Text “@swal3” to 81010 to join Ms. Swalve’s 3rd block Biology Remind.

**GOOGLE CLASSROOM CODE:** Go to Google Classroom and join class with code “oyggwiz”