

BIOLOGY SYLLABUS

JANUARY, 2018

Dr. Josephine Jeganathan (Dr. J)

Room # 227

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(This is my best preferred contact for parents)

Qualifying Degrees:

Graduate and post graduate degree on Botany

Doctoral degree in Plant Genetics

Teaching experience:

13 years of teaching Plant Biology in India

11th year at Stockbridge High School.

Course Description: Biology is the study of life. Students will have the opportunity to explore all areas of biological science. Students will also engage in many open-ended experiments and investigations that will challenge them to think critically.

Course of Study:

First Term Introduction

CELLS

GENETICS

ORGANISMS

Second Term

EVOLUTION

ECOLOGY

Review for GA Milestone Test

Materials:

TEXT BOOK: BIOLOGY (McDougal Littell) by Stephen Nowicki. A class set will be available for use in the classroom. However students may check out textbooks taking the responsibility to return them safe (\$77.00).

Three ring binder with Dividers- Mandatory (Notebooks checked end of the month for a grade)

Chromebook

Pens, paper, pencils

Note cards

NOTE: Students are required to bring all materials to class daily. Ask teacher if you need help.

Grading:

Grading Scale:

Formative Assessments: Class work, home work (**40% weight**)

A (90-100)

(Cells 8% Genetics 9% Ecology 9% Evolution 7% Organisms 7%)

B (80-89)

Summative Assessments & Major Projects (60% weight)

C (74-79)

(Cells 12% Genetics 14% Ecology 14% Evolution 10 % Organisms 10%)

D (70-73)

(Georgia Milestone) 20% of final grade

F (≤ 69)

Biology Notebook:

Students are expected to keep a neat and organized notebook. With our School moving into a **Personalized Learning School** this year, we will follow a five-day cycle of the triple E model (Enter-Engage and Express). All notebooks should be divided into the following sections and organized by the dates of the assignments as **Enter, Engage and Express**

All notebooks will be graded at the end of every month. Notebooks are very valuable to use/prepare for any tests and assignments...

3-Steps to **Authentic Learning** through Formative Assessments, Summative Assessments and Remediation as positive, timely intervention **will facilitate learning with student ownership.**

Tests/Projects: Expect a Pretest and Post Test for all 5 units, apart from formative assessments and projects. It is very important that students take every measure possible to prepare for tests and to complete assigned projects because they are a major part of the grade. **Preparing for success on the Georgia Milestone is an intricate part of classwork. Daily bell work questions and assigned work in USA Test Prep website will also help students to prepare for the same.**

Students will join their **Google classroom** and in addition will have access to **Study Island**

Laboratory Procedures: Students are required to follow all lab safety rules when conducting lab experiments. Specific safety rules will be emphasized at the beginning of each lab. Students are also required to sign a lab safety contract to verify that you have read all lab safety rules. This is a legally binding document. You will be maintaining a lab notebook to record every lab proceedings and you will be assessed for the writing component through the lab reports.

Make-up Work: All work is expected to be completed for any absences. Time allotted to complete work will be conducive to county guidelines. **You will not be allowed to make up work for unexcused absences until a parent contact is established.**

Late Work Policy: All students will have the opportunity to make up work not submitted on time. Late work accepted only within the given limits of each unit.

Daily Procedures:

1. **You are expected to adhere to all rules set forth by SHS.**
2. **Be prepared to work when you enter the classroom for optimal learning**
3. **Respect yourself and others.**
4. **Bring your chrome book every day to class fully charged**

Tardy/Discipline Procedures:

School wide policy on tardy or skipping as documented through kiosks with consequential detentions assigned and appropriate disciplinary action respectively.

Academic Honesty:

Students are expected to do their own work. Cheating will result in a zero for the assignment, discipline referral, and an immediate parent contact.

Excellent and exemplary work will be acknowledged.

Extra credit opportunities will also be provided.

Attendance:

Absences to class will negatively impact your grade. Student will not be able to make up any labs missed.

Print Student's Name: _____ **Print Parent's Name:** _____

Student Signature _____ **Parent Signature** _____

Best Parent contact: Phone:

And/or Email: