**a-g BIOLOGY CLASS SYLLABUS**

**2016-2017**

**INSTRUCTOR: Rose James PHONE: 355-5196**

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**TERM: Two Semesters LOCATION: Chico Center, Room 213**

**DAYS: Tuesday-Thursday TIME: 1 pm *or* 2 pm**

COURSE DESCRIPTION: In this project and lab-based high school biology course, students will generate knowledge about the vast field of modern biology. The class is designed for those students who are planning on attending a college or university upon high school graduation and is part of CORE’S CTE Medical Pathway. Your teacher will guide you on your journey through an exploration of biological concepts, serve as your facilitator, events planner, and source of information. Students will meet twice per week in class and participate in class activities, labs and discussions. They will also have daily independent study assignments. Students who actively participate to acquire knowledge will find that, by the end of our journey together, they will be richer in knowledge and experience.

ATTENDANCE AND LATE HOMEWORK POLICY: This class meets only twice per week. For this reason, students are expected to attend all classes and turn in required work as assigned. In the event that a student must miss a class, it is up to the student to contact the teacher to make sure that all assignments are turned in on time. ***Homework assignments are posted on the class website each week***.

ABSENCE WORK: Students have one week from the date of an absence to turn in any work or take any tests/quizzes missed during the absence. Lab and group activities are often impossible to replicate for one student, so missed classes will likely result in a lower grade.

**LATE WORK IS NOT ACCEPTED.** Keeping current with class assignments is crucial to furthering your understanding of course content.

**PARENT GRADING OF TEXTBOOK HOMEWORK IS REQUIRED.** A key will be provided to the parent. It is not given to the student. Students should not self-grade, as this takes away an opportunity to learn material. Please feel free to contact me if you need tips on grading or on individual assignments.

COURSE OBJECTIVES: At the completion of this course, the student will show proficiency and understanding and applying a variety of biological concepts, laboratory techniques, and demonstrate an understanding of basic laboratory safety procedures. Topics will support California high school biology standards.

GOALS AND OBJECTIVES:

By the end of this class, students will be able to discuss, interpret, and integrate topics related to:

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| --- | --- |
| 1. Characteristics of Life | 6. Evolution |
| 2. Principles of Ecology | 7. Taxonomy |
| 3. Chemistry of Life | 8. Viruses, Bacteria and Protozoa |
| 4. Cells | 9. Invertebrates |
| 5. Genetics | 1 Vertebrates |

REQUIRED MATERIALS: Students need to bring their completed assignments, biology binder, and a pencil.

SUGGESTED MATERIALS: Wear clothes that are easily washed and will not interfere with safe lab procedures.

LAB ATTIRE: On designated lab days, students must wear close-toed shoes and long hair must be tied back in order for the student to participate in lab.

INSTRUCTIONAL METHODOLOGY:

|  |  |  |
| --- | --- | --- |
| 1. Labs/Dissections | 5. Audio/Visual Aids | 9. Internet Activities |
| 2. Discussion | 6. Demonstration | 1 Homework Assignments |
| 3. Group Activities | 7. Written Assignments | 1 Tests and Quizzes |
| 4. Case Studies | 8. Student and Class Projects (written & oral) |  Lecture |

(If a pupil has a moral objection to dissection or otherwise harming or destroying animals, an alternative educational project will be assigned upon the parent or guardian's request.)

REQUIREMENTS: COME TO CLASS PREPARED TO LEARN! Here’s how;

1. Read the text and complete other assigned work as directed
2. Study the vocabulary terms, this is imperative to understanding the concepts
3. Turn in all assignments on time (This means that you have to organize your time)
4. Late assignments are not accepted
5. If you are ill and miss class, the work is due one week from the day you missed
6. Treat everyone in class with respect
7. Help us take care of our classroom
8. No food or beverages during labs
9. Follow all safety guidelines carefully!

10. If you don’t understand, keep asking

In the event that a student consistently has difficulty in meeting the preceding guidelines, the student may be removed from class.

CHEATING: Cheating is defined as:

1. Receiving or giving aid during an exam from anyone other than your instructor.
2. Using unauthorized materials during an exam.
3. Plagiarism; taking credit for the work, ideas and words of another person.

 The penalty for cheating is and “F” for the exam or assignment and possible dismissal from class.

GRADING:

TESTS: 40% HOMEWORK and CLASS WORK: 20%

QUIZZES: 20% LABS: 20%

FINAL PROJECT: Students will choose a biological topic of interest, with instructor’s approval, and independently produce a written report, oral report, and visual aid, to be presented on the last day of class. Points Possible: 100

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Please return one copy of the syllabus to the teacher with the following information.

I have read and discussed the biology class syllabus. (Please feel free to ask the teacher for any clarification.)

Student Name (Please print first and last name) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student Signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent Signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_