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Classroom: 4006

Help Night 3-5 pm

Biology Syllabus

Why Biology:

The science of life and living. There is no course more important to your daily life in the current environment of our parents than Biology. You must be able to intelligently navigate this world for yourself and your family to keep them safe. I believe that this was the intent of ODE when they stated “ *One goal of science education is to help students become scientifically literate citizens able to use science as a way of knowing about the natural and material world. All students should have sufficient understanding of scientific knowledge and scientific processes to enable them to distinguish what is science from what is not science and to make informed decisions about career choices, health maintenance, quality of life, community and other decisions that impact both themselves and others.* “

Biology Course Description:

Inspire Biology is designed to meet 100% of the Next Generation Standards through science and engineering practices. This course investigates the composition, diversity, complexity, and interconnectedness of life on Earth. Fundamental concepts of heredity and evolution provide a framework through inquiry-based instruction to explore the living world, the physical environment, and the interactions within and between them. Students will engage in investigations to understand and explain the behavior of living things in a variety of scenarios that incorporate scientific reasoning, analysis, communication skills, and real-world phenomena.

Class Requirements and Materials:

Binder/Binder Section
Dividers/Spiral Notebook
Earbuds
Composition book

Index cards for vocabulary
Highlighter markers
Color pencils, set of fineline
markers

Computer

Course Outline/(Year at a glance):

<u>Qtr 1: Intro to Biology/Ecology</u> Module 1: The Study of Life Module 2: Principles of Ecology Module 3: Communities, Biomes, and Ecosystems Module 4: Population Ecology Module 5: Biodiversity and Conservation	<u>Qtr 2: The Cell</u> Module 6: Chemistry in Biology Module 7: Cellular Structure and Function Module 8: Cellular Energy Module 9: Cellular Reproduction and Sexual Reproduction Fall Semester Exam
<u>Qtr 3: Genetics/History of Biological Diversity</u> Module 10: Introduction to Genetics and Patterns of Inheritance Module 11: Molecular Genetics Module 12: Biotechnology	<u>Qtr 4: Diversity of Life/Human Body</u> Module 13: The History of Life Module 14: Evolution Module 15 Primate Evolution Module 16 Organizing Life's Diversity Module 17: Bacteria and Viruses Module 18 Protist and Fungi Module 19: Introduction to Plants Module 20: Introduction to Animals Spring Semester Exam

Grading Policy:

Expectations:

The grading scale, based on total points* accumulated, is the following:

93 -100% = A

83 - 92% = B

70 - 82% = C

60 - 69% = D

0 - 59% = F

*Tests and quizzes are weighted more by point value.

Due Dates:

Pay attention to due dates as late work receives less than full credit. You are expected to take missing tests on the day of your return unless you contact me at least 24 hours prior to request more time.

Be responsible, respectful, safe, and READY to WORK! This means bring your charged laptop, notebook, & other materials to class; complete all work on time; stay on task; use class time wisely; and don't use personal electronic equipment without prior permission. Failure to comply with these expectations will result in a conference with the teacher, phone call home, or referral to the office.

School Policies: All school policies will be rigidly enforced – no exceptions! Students must be familiar with and abide by the guidelines in the Gambler Student Handbook pertaining to such areas as discipline, attendance, appearance, & academic honesty, etc.

Labs:

Students are expected to do all lab activities. If absent, you must come in the day you return and schedule the lab make-up date. All students are required to keep a Lab Notebook.

Attendance:

Attendance is crucial! You'll miss lab preparations, group discussions, and other experiences for which there are no reasonable substitutes. Make-up work will only be given if you have an excused absence.

Please share this information with your parents and return this portion to indicate that you understand and will follow the classroom expectations.

I have read and understand the Class Expectations for Biology. Please check daily for missing assignments. Getting the SCHOLOGY APP for your phone will help with notices of any missing work and I encourage everyone to download it.

Student's Name

Student's Signature

Parent's Signature

Parent Contact Information

Student Name: _____

Preferred method of contact: ☐ Phone Call ☐ E-mail ☐ Text*

Contact Name _____

Contact Phone Number _____

Contact E-mail _____