

Parents night -- Honors Biology

Brian Wood

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(email is my preferred method of contact)

Conference periods: 1A, 2A, 4A, 4B

Other Honors Biology Teachers

Lisa Rodgers, in office L313, Conference periods 3A, 1B, 2B

Rob Graham, in office L315, Conference periods 3A, 4A, 4B

Brian Criner, in office L316, Conference periods 1A, 2A, 1B

Honors Biology Course Internet Resources

Schoology - access Schoology from Grandview website.

Has information such as an explanation of events in class, homework, and reading covered. Students occasionally take assessments on Schoology.

Parents can link to Schoology by going through the my.cherrycreekschools.org website. Once you have logged into the portal you can select Cole 3.0. You can then access your student's Schoology site and see the information on there. Parents can also set up notifications on Schoology.

Daily and weekly lesson plans will be posted in my Schoology classes each week. The lesson plans will include plans for both any in-class, synchronous at-home, and asynchronous at-home assignments. It is the best place to get information about what we are doing in class, expectations for assignments, and information if a student misses class.

Course information

In this course students will learn about living things from the “simple cell” to the complexity of animals and plants, heredity, evolution, body systems and dissections, as well as the unity and diversity of life through ecology. Also integrated in this course are logic/problem solving skills, scientific method, and learning how to read and write scientific materials. This course is designed for students with strong academic ability and interest in an accelerated curriculum. Topics will be studied in greater depth and complexity, at a faster pace, with a higher level of homework; in addition, the materials are at a more advanced reading level. There are **6 themes** that will be focused on for the entire year – throughout many different topic areas. They are listed below:

Evolution

Energy Transfer

Structure/Function

Homeostasis

Continuity/Change

Interdependence in Nature

Major focus: Scientific analysis of data and making explanations

Class materials

Textbook – Biology – Campbell, Reece, Taylor, Simon, Dickey

I have asked students to take book home – use a resource and they will have reading assignments out of the book

Notebook with class workbook (workbook given out in class)

Topics of study (depth of study and topics may change due to COVID)

Fall semester	Spring semester
Scientific method/Characteristics of life	DNA Structure
Biochemistry	Protein synthesis
Cell structure and types of cells	Genetics
Cell membrane and transport	Genetic engineering
Photosynthesis	Evolution
Cellular Respiration	Evolutionary trends in organisms
Cellular Division	Ecology

Each unit has a major examination and/or project.

Grading

Student grades are based on the following percentages:

Course and Lab Assessments - 65%

Quarter Assessment - 15%

Final exam - 20%

Assignments

Homework – will be assigned each class period. Sometimes due next class period and sometimes I will give them two to three nights to complete (so they have time to ask questions)

Students will conduct many laboratory investigations over the year. Some will require formal reports, some simply an answer sheet

Major exams are announced at least two weeks before exam.

Students are expected to hand work in when it is due -- late work accepted before exam or for a retake of an assessment

Modifications for hybrid model

At this time I am planning on having 1-2 asynchronous lessons per week in addition to the one in-class lesson we will have. Students will generally have a week to complete assignments. Monday classes will be synchronous and will usually include an introduction to topics for the week, highlighting of important points, and a chance for students to ask questions. In addition, I will be available for students to meet with me on Microsoft Teams to get help if needed.

If we move to a complete remote learning model lessons and classes will follow a more standard A/B schedule with assignments given each remote class.