



Legacy High School
 2701 West 136th Ave • Broomfield, CO 80023
 Office: (720) 972-6700 • Fax: (720) 972-6899
<http://www.legacy.adams12.org>

Adams12
 Five Star Schools

School Year	2021-2022	Teacher Name	Ms. Peterson
Office	A-118	Website	https://sites.google.com/adams12.org/petersonscience/home
Phone	720-972-6818		
Email Address	pet025579@adams12.org		

Course Name	CP Biology		
Course Description	Why is biology important? Biology is the study of all living organisms and the physical factors that affect them. It is essential to understand how organisms carry out their life processes, interact with one another, and interact with their physical environment. By understanding these concepts you can look at the natural world around you, and know the who, what, where, and most importantly why and how. The cornerstone of any science course is having a uniform approach to solving problems. Using the scientific method we will improve our problem solving skills by doing inquiry based labs. In order to encourage the greatest amount of student achievement we will have a variety of activities meant to address all learning styles and needs. To reinforce and supplement learning that occurs in the classroom we will have homework on a regular basis. We will have projects of varying lengths so you may become more knowledgeable in a particular area. Finally, we will look at the issues that are of particular importance and relevance to us and communicate our opinions in written and oral form. CP Biology is a college prep course and will entail outside research, inquiry labs, team-work and the ability to problem solve. My goal as you exit this course is to give you biology content, lab skills and problem solving practice to prepare for your next college prep or advanced placement level science course.		
Unit of Study	Grade Level Expectations/Content Standards	Approximate Time Spent or Percent of time Spent	Targeted Date of Assessment *May change due to state testing
Nature of Science	<i>Safety in the Science Classroom Scientific Method and Experimental Design</i>	3 weeks	
Chemistry of Life	<i>Properties of water Biochemistry Introduction to macromolecules</i>	5 weeks	
Cell Homeostasis and Structure	<i>Cell structure Characteristics of Life Homeostasis and Feedback Cell transport</i>	3.5 weeks	
Cell Energy	<i>Cell Respiration Fermentation Photosynthesis</i>	3.5 weeks	
SEMESTER 1 FINAL	N/A	N/A	
Cell Reproduction	<i>Cell Cycle and Mitosis Meiosis and Cancer Cell & Tissue Differentiation Stem Cells</i>	2 weeks	
Molecular Genetics	<i>DNA Structure Function</i>	5 weeks	



	<i>DNA Replication, Transcription and Translation</i> <i>Protein Synthesis</i>		
Heredity	<i>Variation of Traits</i> <i>Patterns of Heredity (crosses and pedigree)</i> <i>Genetic Diseases</i>	3 weeks	
Ecology	<i>Parts of Ecosystems</i> <i>Flow of Energy in Ecosystems</i> <i>Cycling of Matter in Ecosystems</i> <i>Human Impact in Ecosystems</i>	3.5 weeks	
Evolution	<i>Origin of Life and Changing Earth</i> <i>Evidence of Evolution</i> <i>Patterns of Evolution</i> <i>Speciation</i>	3 weeks	
Final	N/A	N/A	
Grading Scale		Gradebook Reporting Criteria/Weights	
A	89.5-100	<i>Summative Assessments-Unit Test, Large Case Studies/Research Projects (Content Only)</i>	70
B	79.5-89	<i>Formative Assessments (Scientific Literacy) - Formal Lab/Activity Conclusions (Reasonings), Quizzes, Formal Labs, Accuracy Assignments</i>	20
C	69.5-79	<i>Formative Assignments-Short Labs, Homework, Presentation Skills, Daily Assignments</i>	10
D	59.5-69		
F	59.5 or below	*Weekly progress grades are posted at https://ic.adams12.org/campus/portal/adams12.isp	

General Expectations

- Grades are based upon the demonstration of proficiency on units associated with a standard given during each formative or summative assessment. Formative grades in addition to summative unit assessments will be used to holistically determine your grade.
- Summative: Summative measures of achievement are taken when unit mastery is expected. (i.e., unit tests, culmination of a project, embedded assessments, etc.)
- Formative: Formative assessments measure the scaffolding skills and/or content embedded in the unit. Formative assessments are taken frequently, after a student has practiced a skill or become familiar with content. Examples of formative assessments include but are not limited to exit tickets, paragraphs, oral check for understanding, warm-ups, stages in a large project, etc.
- On group projects, students will receive a grade for individual work. A group grade may also be given.
- Grades are based on achievement of Colorado Academic Standards and grade level expectations.

Class Expectations

Missing or incomplete assignments/assessments for this course: Superintendent Policies 6280 Homework and 6281 Make-Up Work, will be followed for this course.

All class materials need to be present everyday
 Students need to be engaged and attentive in class
 Respect all classroom rules

Student Expectations

Grading Policy	The purpose of grading is to communicate to both students and parents what a student knows and can demonstrate at a given point during the course. In this course, student grades will be based solely on achievement of standards, not effort, behavior, or attitude.
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Testing Policy	Each unit test is weighted equally. Students will be permitted to replace one summative assessment per semester by retaking a new version of the assessment. Requirements to Be Eligible to reassess: Students must take the assigned test. The replacement assessment must be taken before the next unit test. Students must show relearning of the material, as determined by the teacher. The rubric grade earned on the replacement establishes the most current level of learning. Therefore, the most current grade will be recorded.
Assignments	You will be informed as to the due dates for assignments, whether it is homework, a quiz/test, or a project. You will know in advance the dates of exams and large projects, therefore you will be expected to participate and/or take the exam on the DAY OF YOUR RETURN.
Late work Policy	All late work will be accepted until the day before the unit exam. Teacher discretion on percent accepted.
Absence Policy	You are expected to make up any work missed because of any absence. You are responsible to request the make-up assignment(s). You will have the number of days absent plus one additional day to make up missed work for an absence. However, long-term assignments (one week or more from the assignment date to the due date) are due on the stated due date, regardless of the absence and are not accorded extra days upon return to school. Additionally, All Exams will be made up on the day the student returns as they had prior notice of all exam dates. Long-term illnesses will be dealt with on an individual basis.
Tardy Policy	Students are expected to be on time to every class every day. Beginning each semester, if tardy: ▪ 1st-3rd: verbal warning by teacher and parent contact on 3rd. ▪ 5th: teacher will speak with parent/guardian. ▪ 7th: 30 minute after school detention served with the teacher in the classroom. Teacher will speak to parent/guardian again. After the 8th tardy, teacher discretion may be used for consequences. Once a student has served three 30 minute detentions with a teacher, a student may be referred to the Deans Office for defiance of authority.
Student Integrity Oath	I agree to conduct myself with integrity in all regards. I commit to presenting my own work, writing, words, and ideas at all times, unless otherwise attributed. In addition, I will not copy, use communication devices during tests, post assessments for public access, falsely identify myself, or use inappropriate materials. Engaging in any of these activities represents a breach of this oath and subjects me to the disciplinary code of Legacy High School and the Adams 12 Five Star School District. It is my honest intention to uphold this oath.
Plagiarism/Cheating Policy	Plagiarism means to present, as one's own, the work, writing, words, ideas, or computer information of someone else. (Sources could be published or unpublished.) Cheating is supplying, receiving or using devices. (Examples: looking at or using someone else's work, using crib notes/stolen notes, or using disallowed equipment, etc.) Consequences for plagiarism and cheating (cover all classes and discipline carries over year-to-year): Matrix for Plagiarism/Cheating ▪ 1st – 0 on the assignment, teacher calls home and referral ▪ 2nd – 0 on the assignment, 1 day suspension, parent/teacher conference, referral ▪ 3rd – 0 on the assignment, 2 day suspension, referral ▪ 4th – 0 on the assignment, referral to District Discipline Hearing



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Legacy High School
Course Syllabus
2021-2022

Acknowledgment of Receipt Form

Course Title: CP Biology

Parents/Guardians,

Signing this document acknowledges that you have read through the course syllabus. In addition, please be aware of the cell phone/I-pod Policy: These devices are not to be out in the classroom. District Superintendent's Policy allows the school to confiscate these items. Please help us keep the students focused on their learning.

Please share your preferred contact information before signing and returning this form to the classroom teacher.

Student Name (Print)

Student E-mail Address

Student Signature

My preference for contact is:

☐ By Email

☐ By Phone

Parent/Guardian Name(s) (Please print)

Parent/Guardian E-mail Address(s)

and

Phone Number(s)

Parent/Guardian Name(s) (Please print)

Parent/Guardian E-mail Address(s)

and

Phone Number(s)

Parent/Guardian Signature

Date