



DVUSD Pathways
Barry Goldwater High School
Biology 1 & 2

Instructor:

Ms. Josephine Canizales Email: josephine.canizales@dvusd.org
Classroom: 412 Website: <https://www.dvusd.org/Domain/12849>

Course Description:

This course exposes students to the fundamental concepts of biology.

Recommended Materials

- School issued electronic device; eg. iPad or Chromebook
- Highlighter
- Folder
- Pencil
- Earbuds; cheap ones with wire work perfect!

Course Standards:

By the time the student completes the course of study he or she should be able to:

- 1) Develop and use models for the transfer or sharing of electrons to predict the formation of ions, molecules, and compounds in both natural and synthetic processes.
- 2) Obtain, evaluate, and communicate about the positive and negative ethical, social, economic, and political implications of human activity on the biodiversity of an ecosystem.
- 3) Develop and use models that show how changes in the transfer of matter and energy within an ecosystem and interactions between species may affect organisms and their environment.
- 4) Ask questions, plan, and carry out investigations to explore the cause and effect relationship between reaction rate factors.
- 5) Obtain, evaluate, and communicate data showing the relationship of photosynthesis and cellular respiration; flow of energy and cycling of matter.
- 6) Construct an explanation of how the process of sexual reproduction contributes to genetic variation. 7) Obtain, evaluate, and communicate evidence that describes how changes in frequency of inherited traits in a population can lead to biological diversity.
- 8) Gather, evaluate, and communicate multiple lines of empirical evidence to explain the mechanisms of biological evolution.
- 9) Engage in argument from evidence that the net change of energy in a system is always equal to the total energy exchanged between the system and the surroundings.
- 10) Engage in argument from evidence that changes in environmental conditions or human interventions may change species diversity in an ecosystem.
- 11) Ask questions and/or make predictions based on observations and evidence to demonstrate how cellular organization, structure, and function allow organisms to maintain homeostasis.
- 12) Obtain, evaluate, and communicate information about the causes and implications of DNA mutation.
- 13) Construct an explanation for how cellular division (mitosis) is the process by which organisms grow

and maintain complex, interconnected systems.

- 14) Obtain, evaluate, and communicate the ethical, social, economic and/or political implications of the detection and treatment of abnormal cell function.
- 15) Engage in argument from evidence regarding the ethical, social, economic, and/or political implications of a current genetic technology.
- 16) Engage in argument from evidence regarding the ethical, social, economic, and/or political benefits and liabilities of energy usage and transfer.
- 17) Engage in argument from evidence about the availability of natural resources, occurrence of natural hazards, changes in climate, and human activity and how they influence each other.
- 18) Engage in argument from evidence regarding the ethical, social, economic, and/or political implications of a current genetic technology.

Classroom Expectations: In addition to following all DVUSD "Students Rights and Responsibilities Handbook" I expect the following to occur in my classroom:

1. **Be There** – It is important that you are in class every day and on time. Not only should you physically be in class but also mentally. Students should take advantage of time with the instructor to pay attention and ask questions as needed. Make sure you come prepared for class with supplies.
2. **Choose your attitude** – You have no control over the things that other people do. You only have control over your reactions. Make a conscious effort to have a positive attitude. It is not always easy, but if you are aware that only YOU can control your mood, every day can be a great day.
3. **No food or drinks in the classroom** – We might be using substances that may contaminate what you put in your mouth. This is for your own health and safety.
4. **Listen and participate** - A lot of the learning for this class takes place when I am talking with you or you are collaborating in your groups! So, be sure to truly and actively listen & when appropriate participate.
5. **Don't worry about being "right" or "wrong"** - We are constantly learning new information everyday so be ready to learn and when you answer questions focus on thinking critically & creatively, not being "right" or "wrong."

Grading:

Grades will be composed of 2 areas: 1) Assessments (tests & quizzes) and 2) Labs & Classwork. The percentages will be broken down as follows: Assessments = 65%, Labs & Classwork = 35%. The percentages will be rounded to the nearest whole number, a 79.5% will be rounded to an 80%, a 79.4% rounded to a 79%.

Grading Scale:

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|----------------|-----------------------------|---------------|------------------|
| 90% – 100% = A | 80% – 89% = B 70% – 79% = C | 60% – 69% = D | 59% or below = F |
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PowerSchools On-line Grade Access:

Grades may be accessed 24 hours a day online via PowerSchools: <https://ps.dvusd.org/public/home.html>

Assignment Policies:

- All classwork should be completed during class time. Students should not have homework if they are using their time wisely during class.
- Students who are absent the day before a scheduled/announced quiz or exam are expected to take the exam as scheduled/announced the following day.
- Students who are absent the day of an unannounced pop-quiz will receive the score of the next exam, since pop-quiz conditions cannot be replicated for make-ups.

- On occasion, in order to re-enforce content mastery, PG and PG-13 science based video clips and science based instructional videos will be shown.

Plagiarism and Cheating: Plagiarism is the use of someone else's work and reporting it as your own, or the giving of your work to another student to use as their own. Both instances are considered cheating and will not be tolerated. Any assignments that are plagiarized, or copied will not be accepted and the student using the copied work as well as the original author of the work (if the cheating is "peer to peer") will both receive a zero for the assignment and may both face additional consequences at the school level. There are also strict "no talking" and "no technology access" during all assessment (tests, quizzes and final exam). Any violation of these policies, regardless of the reasons/motives will result in the assessment being confiscated and a score of zero entered into the grade-book on the assessment.

Electronics Daily Device Use (iPads/Chromebooks)

Students should come to school with their iPads or Chromebooks charged and ready to use every day. Most assignments will be submitted in the digital format through Canvas. Devices may not be used to record or take photos of other people without their consent. Consequences for classroom disruptions and misuse of devices will follow a progressive discipline model.

Laboratory Breakage Policy

In the event a student breaks any laboratory materials, that student will be responsible for paying the replacement cost of each item. The students are taught proper procedures and laboratory etiquette to ensure the safety of our students during lab activities. This policy helps hold the students accountable for their actions and reinforces careful laboratory procedures.

Suggested Materials: Headphones or wired earbuds (NOT AirPods), pencil, highlighters and a basic function calculator are helpful to have access to. If you have any issues obtaining these materials, contact me and I can help provide this for you.

Helpful Student & Parent Information:

Please go to my website at <https://www.dvUSD.org/Domain/12849> for helpful information for students and parents about the course, CANVAS Learning Management System for Parent Observers, Technology Help, etc.

Syllabus is subject to modification as deemed necessary by the instructor.

Sign up for Canvas alerts!

I will send these out frequently for missing assignments, upcoming events, and reminders about class activities. Any information entered into Canvas will not be visible by me, but will help keep you in the loop about class events.

- 1) Log in to dvusd.instructure.com using your students log-in. This should be the website and not the app. Feel free to email me if you don't know what that is.
- 2) In the upper right click on the icon that says account when hovered over.
- 3) Click Settings – You may need to log in again with the same log on.
- 4) On the far right, add email addresses or cell phone numbers. I will not be able to access this information, only Canvas will use it to send notifications.
- 5) On the far left, click Notifications.
- 6) Canvas can go a little overboard with these, so to not get alert fatigue I recommend you turn them all to X "Do not send me anything" except for these items:
 - a) Submission Comment – This will tell you when I leave feedback on your students' work.
 - b) Added To Conversation & Conversation Message – This will let you know when I send a message about missing work or updates to your student.
 - c) Announcement – Will let you know if an announcement is posted in the class, this is usually about test re-takes or make-ups.
 - d) Grades – This will tell you something was graded and gives you the option of also sending the score for the assignment.

Please read the syllabus thoroughly as you will be responsible for all of the information found there. Sign and submit this paper to Canvas.

By signing below, I (parent/guardian and student) acknowledge that:

- I have read and understood the guidelines listed in the syllabus. I know the syllabus is subject to modification as determined by the instructor.
- I will follow all safety guidelines in the class and lab. I realize not following lab safety guidelines will result in being removed from the lab and earning a zero for the assignment and potentially having future lab privileges revoked.
- I realize I will need to pay for any materials I break/misuse. I understand a passing letter grade CANNOT be given until all materials, books, etc. are returned and/or fines paid.
- Because this is a biology class, I realize that topics such as diseases, predator-prey relationships, anatomy, physiology, reproduction, cancer, life, death, genetics, environmental issues, and many other topics will be discussed and seen in lectures, slides, videos (including PG-13), guest speakers, labs, etc.
- I understand the Daily Electronic Devices Use. I am aware of the potential consequences of misuse as mentioned in the syllabus.

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| _____ | _____ | _____ |
| Date | Student name (print) | Student Signature |
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| _____ | _____ | _____ |
| Date | Parent/Guardian name (print) | Parent/Guardian Signature |