

Biology Semester Project

Choice D: Animation – A Biological Process

You will create a computer animation for a biological process approved by the teacher. You should only choose this project if you are comfortable working with animation software or have someone who is VERY available to help you. There is no time requirement for your project, but the entire process must be explained along with the computer animation.

Although some class time will be given to do your work, you will be responsible for budgeting your time outside of classes and finding additional resources. You will find the Internet to be extremely helpful. Make sure you do not wait until the last minute to start and ask for help if you need it. Have fun!

The following must be completed to receive full credit...

- Your presentation is in a digital format that is PC compatible. Check with the teacher to be sure that the software you plan to use will work on the computer used in class.
- Your animation should provide an accurate and detailed view of all steps involved in the biological process you have chosen. Your animation should show the simulated ‘motion’ or ‘actions’ that occur in this biological process.
- All structures, molecules or components involved in this process must be identified in your animation explanation, along with a brief description of what occurs during each step of the process. Use the worksheet on the back to gather the required information.
- You can provide your animation explanation in a variety of ways.
 - You present your animation to the class and explain it verbally, in person.
 - You include labels and descriptions in your animation for us to read.
 - You include a ‘voice-over’ explanation that plays with the animation.
- Remember, I am not available to help students with the software for creating this project... So, make sure you know how to use the software or have someone who can provide all the assistance you will need.
- If you choose to present your explanation verbally, you will be graded on your presentation skills as well. A good presenter makes eye contact, speaks clearly & enthusiastically describes their ideas to their audience. Have fun with this!

Deadlines...

Topic selection – 5/9, 10 & 11
Class time project work – 5/14 & 5/15
Worksheet due – 5/16 & 5/17
Projects due – 6/4 & 6/5
Presentations – 6/4, 5, 6 & 7

Grading...

Accurate Animation.....60%
1. Accurate Explanation.....30%
Presentation Skills.....10%
OR
2. Accurate Labels, Descriptions,
Voice-Over Explanation...40%

Project Worksheet

As you research your topic, your goal is to get as much of the following information AS POSSIBLE included in your animation.

1. What is the name of your biological process?
2. Briefly describe what happens during this process (start to finish).
3. Name and define the structures, cells, molecules and/or other components that are involved in this process.
4. For each of the terms you gave in #3, describe what happens to them OR what they do during this process.
5. Create a numbered series of steps that give a detailed account of what happens in this process.