

Name _____ Date _____ Period _____

AP BIOLOGY – COOKING SHOW PROJECT

GOAL:

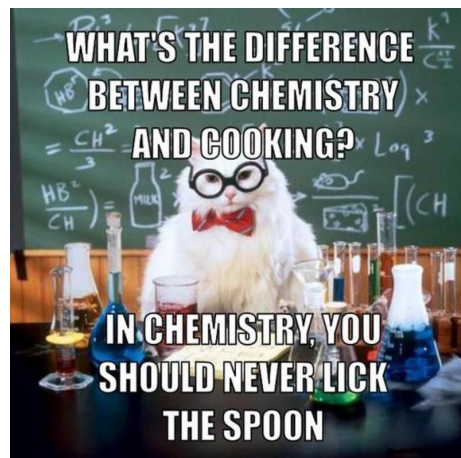
The purpose of this assignment is for students to create a 10-15 minute cooking show video that teaches a lesson in biochemistry. Students are required to use an iPad Pro and an Apple Pencil to complete this project. Students must use the mandatory iPad apps listed below, but may also use any other apps of their choice.

MANDATORY iPad PRO APPS:

- Pages / Word / Google Docs
- Numbers / Excel
- Keynote / PowerPoint
- Photos
- iMovie
- GarageBand
- Pixelmator / Pixelmator Photo / Sketchbook
- Google Drive

ASSIGNMENT:

1. Determine what type of biochemistry lesson you would like to teach. Research how cooking methods can demonstrate, model, explain, or showcase a specific biochemistry topic. You are required to incorporate elements of ***experimental design*** into your project. Visit www.seriousseats.com or read “The Food Lab” by Kenji López-Alt to get ideas for your project.
2. Using **Pages**, **Word**, or **Google Docs**, write a proposal for your video. In your proposal, include your biochemistry topic(s), the food items that you will be cooking, a list of supplies, and a cost breakdown. Save your proposal to Google Drive and share a copy with Mr. Zunick. Mr. Zunick must approve your proposal before you can go to the next step.
3. Using **Pages**, **Word**, or **Google Docs**, write a script for your video. Your script can be ad-libbed, but the majority of your talking points must be written. Your script should indicate your actions as well. Save your script to Google Drive and share a copy with Mr. Zunick.
4. Film your video! You may film your video with your iPad or another device.
5. Using **Numbers** or **Excel**, create *at least* one chart and *at least* one graph to be included in your video. Save your chart(s) and graph(s) to Google Drive and share a copy with Mr. Zunick. Remember to insert them into your video.



6. Using **Pixeltator**, **Pixeltator Photo**, and/or **Sketchbook**, edit *at least* ten photos and/or pictures to be included in your video. You may also use **Photos** for this part as long as you also use the apps listed above. You must also annotate *at least* five photos and/or pictures using the **Apple Pencil**. Save your photos and/or pictures to Google Drive. Remember to insert them into your video.
7. Using **Keynote** or **PowerPoint**, create *at least* six slides to be included in your video. Your slides should contain your chart(s), graph(s), labeled pictures/photos, and other information relevant to your biochemistry lesson. Save your slides to Google Drive and share copies with Mr. Zunick. Remember to insert them into your video. They do not have to be inserted sequentially.
8. Using **GarageBand**, create a soundtrack to your video. Do not simply use the music included in the GarageBand app. You are required to demonstrate creativity by creating your own music. Save your soundtrack to Google Drive. Remember to insert it into your video, paying close attention to the volume of the music. ***Your soundtrack should not be so loud that it is difficult to hear your voice.*** There also may be times when it is appropriate not to have any background music.
9. Using **iMovie**, create and edit your cooking show video. Import your video clips and all of the other elements listed in the directions. Make good use of titles, transitions, end credits, and other editing features. Listen to your video carefully using headphones to ensure that the audio levels are consistent throughout. Make sure that your audio fades in and out; your sound and music shouldn't just end abruptly. It is also acceptable to "speed up" certain parts of the video.
10. Export your video to Google Drive and share it with Mr. Zunick. ***Do not delete any files, such as video clips or photos, off of your iPad Pro until after you have submitted your final project and Mr. Zunick has confirmed that the video plays correctly.***
11. Your video will be presented to the class prior to the end of the school year.

RUBRIC:

• Proposal	_____ /	5
• Script	_____ /	5
• Chart	_____ /	5
• Graph	_____ /	5
• Soundtrack	_____ /	5
• 10 Photos/Pictures	_____ /	10
• 6 Slides	_____ /	10
• iMovie Editing	_____ /	10
• Experimental Design	_____ /	10
• Scientific Explanation	_____ /	20
• Video & Creativity	_____ /	15



DUE DATE: _____