

Final Project:

SUBMISSIONS:

All submissions through D2L under Content > Grant Key Assessment > Final Project

I. **Every** student needs to submit the following:

1. Answer the 5 questions listed below (individually).
2. Provide a document stating which team member did what exactly. If one team member worked less than another, their score will be lower. If a team member does not contribute, they will receive a 0.

Please note that each team member must have an equal share in the programming.

II. Only one student in each group needs to submit the following:

1. All code (or links to code), so I can run it and see it working
2. PowerPoint presentation
3. Document explaining:
 - a. What was done (a description of your project)
 - b. Who you target is (e.g., grade level if appropriate)
 - c. What feature did you use that we did not cover in class?
4. Any additional documents/lesson plans/handouts

PRESENTATIONS:

Each group will have approximately 10 minutes to give a presentation on their work with a few minutes for questions.

You should have:

1. Brief introductory slides explaining why you chose to do what you did and who you are targeting
2. Demo of your program working and how someone would use it:
Would they just be running the code and looking at the output or interacting with it?
OR Would they be modifying parts of the code to manipulate it and see changes happening?
3. Each team member should participate and speak in the final presentation.

A lot of my grading for your project will be based off of the rubric I will show you in class.

Your code must include:

1. At least 3 variables
2. At least 3 loops used appropriately
3. At least 3 conditionals used appropriately
4. Something we have not covered in class
5. Your code should be efficient.

Every student must **independently** answer and submit the following questions in their own words.

1. What was the general problem you were addressing? What are the key components of that problem? How does your project/code help with these components?
2. What variables did you use in your project? Explain how those variables were used and why it was necessary to use variables.
3. Explain the output of your program. What is the significance of the results of your code?
4. Can you describe the part of the code that you created (not your team member's portion of the code)? How did you construct the code?
5. Your project used Scratch/Robotics/VPython. Do you have ideas for a project using the same tool you chose but to address a different problem or problems and a different discipline or disciplines? What are these ideas?



This work is licensed under the Creative Commons Attribution 4.0 International License.
To view a copy of the license, visit <https://creativecommons.org/licenses/by/4.0/>.