MAT-1340 College Algebra Semester Project

Objective: Students will determine at least three reasons why learning and passing College Algebra is important in their lives. Students will be required to create at least 3 mathematical objectives that others will learn through their presentations at the end of the month.

Instead of Professor Thompson just teaching you the math that you need to achieve for mastery in this course, you are going to work together to show our community why it is important to learn math. How does the math you learn relate to the real-world and how does it connect to past and future math courses you may or may not take? I got this idea from an article called Why Math and from doing my own research on cyclotomic polynomials. Below are some websites that may help you get started in answering your questions. Pick something that is of interest to you and will help you discover the importance of mathematics and the fun you can have when it relates to your everyday life.

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(Kinser-Traut, 2019)

Each phase must be typed and turned into Canvas by the due date. Feedback will be given and editing of each phase should be completed before the next phase is due. Writing down some reflections as you are going through this project on Canvas discussion post will be part of your final grade.

**Phase 1: Research and Objectives**

In a Google Doc named MAT1340\_Phase1\_YourLastName(s), include the following:

1. Title your project.
2. Complete the two tables and give lots of details.

Phase 1

Research done:

|  |  |  |
| --- | --- | --- |
| Resource: | Topic: | Gist of what you learned: |
|  |  |  |
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|  |  |  |
|  |  |  |

Objectives:

|  |  |  |
| --- | --- | --- |
| Objective: | How it relates to real-world: | How it relates to College Algebra or what you are learning this semester: |
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|  |  |  |

1. Write a paragraph or two to discuss the process you (your group) have done so far. Explain what you found while doing your research. How you came up with your objectives. How are you going to relate them to the real-world. Were you surprised by how easy it was to find things or was it difficult? (Expand on your answers)

**Phase 2: Learning/Teaching**

Rename the Google Doc you turned in for phase 1 as MAT1340\_Phase2\_YourLastName(s), include the following: Include all information from Phase 1 in your documentation.

* Phase 1 edited according to feedback.

There is not a template for this phase, because I want you to think outside the box. You must have four to six things that students will learn about under each objective. This could be reading an article and answering math problems. You teaching a lesson about the objective or what you are learning about and how college algebra pertains to the real-world. You need to understand the objective and how it relates to Algebra and the real-world and get others to be able to understand it too. You should add to your google document and if you make a powerpoint or a poster board or examples, etc. You can incorporate a link to your google document.

**Phase 3: Presentation/Paper**

Rename the Google Doc you turned in for phase 2 as MAT1340\_Phase3\_YourLastName(s), include the following:

1. Phase 2 edited according to feedback
2. Prepare your 5-to-10-minute presentation you will be giving to your class/community.
3. Clearly have your objectives and learning outcomes spelled out for your audience.
4. Make sure your project connects Real-world and College Algebra.
5. Write a summary paper about your project, process, and learning that has occurred throughout the semester. (It should be an appropriate length to convey to your professor and community all that you have gained through the semester.) Including your reflections in your paper may prove useful.

**\*You need to submit your final project with all comments from all phases addressed to the Final Project assignment in Canvas before the Forum and your class presentation.**

**Phase 4: Math Forum**

Prepare a 3-5 minute presentation of your class project using your medium of choice. Submit any documents you want projected to this assignment. Your presentation must include the following:

1. Your name
2. An overview of your project
3. Graphs/Pictures
4. Color and Creativity
5. Math and Real-life examples
6. Conclusion and final statements
7. Presentation is clear with good use of aids and sticks within time constraint

Ideas for Presentation:

1. Video of yourself discussing your project.
2. Powerpoint with audio recorded on each slide.
3. Anything else you can think of that meets the requirements!

The presentation portion of your project will be submitted to your assigned group’s discussion board. To receive full points for your presentation, you must provide comments and feedback on your group members’ projects. RUBRIC for WHOLE PROJECT on the LAST PAGE of this document.

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