

A. Overall Expectations Being Measured: *Students will...*

- solve problems including problems arising from real-world applications AND
- describe applications of trigonometry in various occupations

B. Objective(s) of the Assignment:

____ Prepare a short presentation or report that showcases the use of Trigonometry in an occupation.

____ Describe the education and training needed for the occupation.

____ Highlight the use of Trigonometry in the occupation.

____ Provide a solved example of a problem that you have created for this occupation.

C. Methods

- Use on-line (or other) research to find relevant information for your assignment
- Cite the resources (i.e., websites), at the end of your presentation/report, that you've used using appropriate formatting
 - **IMPORTANT:** For assistance in learning how to cite the websites you've used, check out the "Research" playlist of videos that I've included on my YouTube channel at <https://www.youtube.com/channel/UCdB13JLxlv4SrYU4fHWLZMg>

Due Date: _____

(Scoring Rubric →)

Career Research Project Rubric

Score: ____/60 = ____%

Name: _____

Date: _____

CRITERIA	Excellent (10 pts)	Proficient (8 – 6 pts)	Basic (5 – 3 pts)	Below Basic (2 – 0 pts)
<p><i>Definition and description of the career</i></p> <ul style="list-style-type: none"> -tasks and responsibilities -work environment and conditions 	Detailed description of the job is required. Information on job responsibilities is given along with the condition and frequency in which they are done.	There is a description of the job requirements. Information on some job responsibilities is given.	There is little description of the job requirements.	No description of the job is included.
<p><i>Education & Training</i></p> <ul style="list-style-type: none"> -Type and amount of education/training needed -Where would you get the education/training? -How long will it take? 	There is a detailed description of the educational/training requirements. It provides information on any degrees, certificates, licenses, or other special requirements. It also provides the estimated time required to complete requirements	There is a description of the educational/training requirements. It provides information on any degrees, certificates, licenses, or other special requirements.	There is little description of the educational/training requirements.	There is NO description of the educational/training requirements.
<p><i>Trigonometry Used in the Occupation</i></p> <ul style="list-style-type: none"> -Highlight how Trigonometry is used in this occupation 	-Clearly describes and shows more than one connection between the type of math and profession.	-Shows a connection between the type of math chosen and profession.	-Shows some connection between the type of math chosen and profession.	-Shows a limited connection between the type of math chosen and profession.
<p><i>Application of Trigonometry</i></p> <ul style="list-style-type: none"> -Created math problem(s) and solution 	-Math problem is well-defined and is closely-related to the occupation -No errors in the application of procedures	-Math problem is defined and is related to the occupation -Possible minor errors in the application of procedures do not detract from the responses	-Math problem is somewhat defined and is weakly-related to the occupation -errors in the application of procedures detract from the responses	-Poorly-defined problem and/or not related to the occupation -Incorrect selection of math 'tool' or misuse of procedures
<p><i>Communication</i></p> <ul style="list-style-type: none"> -Organization and clarity of the report 	Information is completely clear and well-organized.	The information is fairly clear and well organized. Although the presentation may be eye-catching, it's somewhat hard to follow.	The information is somewhat clear and organized. The presentation may or may not be eye-catching and is difficult to follow.	The information is poorly organized and difficult to follow.
<p><i>Citations</i></p> <ul style="list-style-type: none"> -Have you cited your sources (e.g., websites) appropriately at the end of your report/presentation? 	Sources of information are properly cited so that the audience can determine the credibility and authority of the information presented.	Most sources of information use proper citation, and sources are documented to make it possible to check on the accuracy of information.	Some sources of information have been cited appropriately.	Few to no sources have been cited.