

Trig Project

This project is optional, but it will be counted as equal value as a quiz if you choose to do it! You may work in groups of up to three. Have some fun.

Option 1

Be the teacher: Use Explain Everything or Imovie to film a lesson of you teaching trig. You can teach SOH CAH TOA or Sine Law or both of the Area Formulas. All relevant math concepts must be treated. It can be funny, serious, a parody, but it must cover the math! Sample link below.

[Here is a video of a boring old guy. You can do better!](#)

Option 2

Create a song or song parody that explains SOH CAH TOA or Sine Law or both of the Area Formulas. It can be all audio or you can make a video / do a voice over etc. Be creative. Have fun. A written version of the lyrics must be included with the video. Sample link below.

[Gettin Triggy with it....Cringy but good math!](#)

Option 3

Real life Trig examples. Photograph, measure and calculate the area of real life triangles, use trig to calculate the height of an object you cannot measure and record the process. Explain the math in an Explain Everything video or some other platform of your choosing. Make it REAL! Sample link below.

[This is super cool...bonus points if you make the tool!](#)

[This is the clinometer or tool to measure angle of elevation!](#)

Rubric:

Criteria/Scores	1 Limited	2 In Progress	3 Satisfactory	4 Very good	5 Awesome
Covers Topics	What is this?	A few concepts within the topic covered.	Some concepts within the topic covered.	Most concepts within the topic covered.	All concepts within the topic covered.
Terminology	No math words!	A few terminology covered.	Some terminology covered.	Most terminology covered.	All terminology covered.
A solved problem (bonus for song option)	No attempt to solve a problem.	Attempts to solve a problem	Clearly solves a problem	Correctly solves a problem	Clearly and correctly solves a problem
Creativity (bonus for be the teacher)	No attempt to be original or creative.	Little evidence of originality or thoughtfulness	Straightforward	Attempts originality and thought.	Original. Shows effort and thought and imagination
Presentation (bonus for Real life option)	No attention to presentation quality	Rough production little attention to audience	Good production value, but little attention to audience	Attention paid to audience but production value a bit rough	Looks and sounds good. Attention paid to audience.

Comments:
& Total /20