

Diana Simpson

Real World Final Projects for Advanced Placement Students

I am teaching at Seton Catholic Central HS and will be including about 5-10 teachers either Advanced Placement teachers or Science, Math & Art teachers in grades 10-12. I wanted to do PD on something that I have worked with for a number of years, incorporating Science, Math and Art. When I initially started this project, there were all three subjects, but with the retirement of the Math teacher, I have been doing this with just the Art teacher. In my PD, I plan to lay out how the Art teacher and I have been incorporating real world scenarios for our students to build upon, modeled after a competition that some colleges participate in. I will provide the teachers with the scenarios, initial papers and premises we have used and explain the rubrics we have. The rubrics are modeled after the 12 Steps in Engineering Design, very similar to the Scientific Method. Right now I am taking the Art in STEM course and so will be using what I have learned in that course about the Art Standards to showcase how Science and Art are integrated in STEM. There is usually resistance to Final Projects that are not created by the teacher themselves and also ones that actually have the students do something constructive and meaningful.