

Meegan Hammond

Professional Development Proposal

1. Title: Using Engineering Design in the Science Classroom.
2. I am going to do professional development in my school in person. I selected engineering design because I took "The E in STEM: Meaningful Content for Engineering from Space" with Dr. Josh Brown. I enjoyed the class, and my students enjoyed the engineering design lesson I gave them.
3. My proposed audience will be other science teachers. I work in a trade and technical high school, so "science teacher" is a very broad term. I plan to invite anyone who teaches any science including the trades and technical sciences (cosmetology chemistry, environmental science for auto mechanics and culinary science to name a few). There are approximately 25 children per grade per area.
4. My project will demonstrate integration of STEM by showing how engineering design can be utilized o/in a science activity. I was thinking I would ask each teacher to bring a lesson that could be modified into the NASA engineering design format. I am not sure that would work because I suspect when I do the pre-questionnaire, there will be some confusion about what it is.
5. I hope the outcome is the use of NASA engineering design in more classes.
6. I will follow up with a questionnaire asking if they have a better understanding of the E in STEM and will they implement it in their classroom