

Proposal (What are you planning to do?):

Submit a ½ to 1–page project proposal plan which answers the following questions:

1. Mini Professional Development Project Title
2. School Name(s), Number of Educators Planning to Attend, Grade Level(s)
3. Justification. (Why did you select the option/topic?)
4. Brief Summary of Project (What will you do with teachers?).
5. How does the project integrate NASA assets and STEM content and/or pedagogy learned through Endeavor? Include links and descriptions of all NASA assets used.
6. What obstacles do you foresee in your professional development choice?
7. **Discuss how you might redesign your course's curriculum to create or enhance STEM learning opportunities for your students.**

1. GRREC STEM–CS Resources
2. Cumberland County High School, 5 educators in attendance at school presentation, 1 at GRREC, High School Level
3. I am the only teacher at my school that is participating in the GRREC STEM–CS grant and my plan is to start to grow advocacy in STEM at my school. I will do this by presenting the resources that have been given to me through this grant to the other math and science teachers in my building.
4. After presenting the resources, I am going to collaborate with a science teacher to create and implement a STEM–CS lesson in our classrooms. I will document the lesson with pictures, videos, and student work samples. When I present at GRREC I will be sharing my experience and how I was able to advocate and promote STEM among teachers and students.
5. This project allows the other teachers in my school to use the NASA assets learned through this program to implement into their own classroom to engage students and apply STEM content.
 - a. www.nasa.gov
6. The only obstacles I foresee are being able to get the resources necessary to complete the lesson/project but I have already communicated with GRREC and they are more than willing to help in providing the resources necessary in bringing my 5–E Lesson to life.
7. I am unsure on how I would redesign my course's curriculum to create or enhance STEM learning opportunities for my students but I have had several discussions with my administration about being able to offer a new course for students that would like the opportunity to learn more about STEM. Since course requirements for high school have changed it would be great for students who have an interest in this who may not have an opportunity otherwise to take a STEM course. Something that is interesting to me is the robotics side of STEM and being able to tie that into some real–world applications that includes different career fields.