

Kelli Bravo

What is the title of your leadership project?

STEAM Integration: Using NASA Educator Resources

Which option did you choose and why did you select the option/topic?

I chose the PD option. My principal is running a faculty meeting on March 4th, and is asking teachers to run mini PD sessions on a topic of our choice. I felt this would be a perfect opportunity to share some of the resources that NASA has to offer with my colleagues.

Who is your proposed audience? Which teachers will you serve with your PD and activities? What grades, subjects, and how many students do they teach?

My proposed audience is high school teachers that teach STEAM content areas (any science, technology/computer science, engineering, art and math teacher). Teachers outside of STEAM can also choose to sign up for the course. These teachers will teach any high school grade (9-12), a variety of subjects and a variety in number of students taught.

How will your project demonstrate integration of STEM in the classroom?

My project will introduce teachers to the activities and lesson plans that can be found on the NASA teacher materials website. We will focus on content areas that are outside of science, and explore how the NASA website has lesson plans that are already created, in order for other subjects to teach their content while integrating science/other subjects. Specifically, we will look at how math teachers can teach the pythagorean theorem through determining the ground speed of an aircraft ([link](#)). After looking at the lesson as a group, I will allow teachers time to explore the website and see if there are any lessons that would work for their content.

What outcomes or expectations do you hope to see for your educators?

I hope that teachers will find lessons on the website that they could easily implement into their currency curriculum to support their content. NASA does a great job with creating lesson plans and materials that are ready to use, so I hope the teachers feel this would be a helpful resource and tool, rather than something that is extra work for them (which can be a typical feeling towards integrating STEAM into their work).

How will you follow up with the teachers in attendance?

Send a Google Form directly following the meeting, asking for feedback and takeaways. Follow up with a second optional form for teachers to share what new strategies/activities they used in their classrooms and how they worked.