1. What is the title of your leadership project?

Merge Cubes in AP Biology andGeneral Science

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

Merge cubes have completely changed the way I teach biology. They are very easy to build and showcase the three-dimensional aspect of biology when pairing them up with the merge viewer app. There is a wide range of topics to choose from, from anatomy, to genetics.

3. Who is your proposed audience?

High school student, teachers, AP's, principals

a. Which teachers will you serve with your PD and activities?

AP biology, anatomy and physiology, forensics, physics, chemistry, and living environment teachers.

b. What grades, subjects, and how many students do they teach?

9-12 Grade

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

Merge cubes will be used with the help of 1-1 devices. Additionally, students will be able to access HoloGlobe app to study topics such as climate change, habitat destructions, seasonal changes, and carbon emissions through analyzing real data shared by NASA through HoloGlobe

5. What outcomes or expectation do you hope to see for your educators?

Educators will regain their excitement for teaching biology using real NASA data and 3D technology in the classroom

6. How will you follow up with the teachers in attendance?

- I will reach out via email with updated resources on the topic
- I will generate a survey that encourages them to share what they have learned