

While there are many resources I have accrued through the program, I am proposing to lead a professional development for elementary teachers on Integrating Google Earth Projects in the Elementary Classroom. Google Earth has always been a fascinating resource, but it wasn't until stumbling across a NASA resource that I realized how to use its potential. NASA's *Reading the ABCs from Space* (Earth Observatory, n.d.) in Google Earth unlocked the potential of utilizing pre-made projects. Upon further discovery, I found other premade lessons of discovery. It has inspired me to integrate it into my geometry math class and show 3-d buildings and locations of volcanoes in Earth Science. And in place of traditional reports, my students could present facts and information in a digital platform to utilize their STEM skills. In fact, my third graders are in the process of finishing their final step in a Natural Hazards science project.

While it can be integrated into any grade level, class, and a plethora of standards, I intend to use my third graders project as the mentor idea in conjunction with TN State Science Standard 3.ESS3.1 Explain how natural hazards (fires, landslides, earthquakes, volcanic eruptions, floods) impact humans and the environment (*TN Science Standards Reference, n.d.*).

This year I am teaching online and I intend to present this as an option to my online colleagues. I have reached out to my online admin in order to coordinate how best to seek interested teachers. In addition, because this will be made available to elementary teachers, I will focus on learned concepts and potential use in the classroom for my survey. For instance, I would take a general survey to ask questions like how they feel about learning new technology and then follow up with how likely they would be to use this idea in the near future. I don't think at this point I have the answers to the final questions, as I feel that I need to do some more research into how best to follow-up and collect data on its success.

References

Reading the abcs from space. (0AD). <https://earthobservatory.nasa.gov/features/ABC>.

TN Science Standards Reference [PDF]. (n.d.). TN Department of Education.