

1154-VG-2266 **Shannon R Lockard*** (slockard@bridgew.edu). *A Student Exploration of Spherical Geometry.* Foundations of Geometry is an upper level mathematics course at Bridgewater State University. Taken primarily by future elementary and secondary educators, the course covers a variety of advanced topics in geometry. While course topics have centered around Euclidean geometry in my own sections of the course, I have been looking for ways to incorporate ideas of other types of geometries. In this presentation, I will discuss a student project that focuses on spherical geometry. I will present the objectives of the project and share student work that culminated in a three dimensional visual display of several important ideas in spherical geometry. (Received September 17, 2019)