

1145-P5-2716 **Annala R Kelly*** (annala.kelly@regiscollege.edu). *Designing in Multivariable Calculus*. Preliminary report.

It is exciting to move to the three-dimensional space in multivariable calculus after studying xy-plane in most of the previous mathematics classes. The talk will showcase several creative activities that acquaint students with 3D objects. For instance, to understand the coordinates of points in 3D and spheres, the students created an emoji. The worksheets and projects to design and analyze the 3D objects will be shared with the audience. The presentation will demonstrate the designed objects and discuss the student feedback from the course. (Received September 25, 2018)