

1135-D5-3198      **Ted Theodosopoulos\*** (ttheodosopoulos@nuevaschool.org), 131 E. 28th Ave., San Mateo, CA 94403. *Exploring polygonal centers.*

We present a module for an inquiry-based applied geometry course for high school students. This module is inspired by the multiple non-equivalent notions of center for a triangle. Students explore the utility of different competing centers and seek to generalize them to quadrilaterals and beyond. The presentation includes several examples of student work and the writing that accompanied it. (Received September 27, 2017)