A first year seminar (FYS) course is designed to introduce freshman to the experience of academic exploration that is at the heart of a liberal arts education. The mathematical ideas infused in the long running Simpsons TV show offer a fun way to draw students into exploring new, unfamiliar concepts. I will share how, “The Simpsons and Their Mathematical Secrets”, by Simon Singh, framed our class discoveries involving logic puzzles, graph theory, number theory and geometry. Pertinent short video clips will be mentioned and activities, geared for non-mathematics majors, will be shared. (Received August 03, 2016)