1116-VP-2070 **Ann E Moskol*** (amoskol@ric.edu). *Using simulation to understand the Central Limit Theorem for Proportion.* Preliminary report.

Using MIT's Imagination Toolbox and Star Logo Nova, I wrote a program to help statistics students understand the central limit theorem for proportion. Students can use the program to experiment with different population and sample sizes, and with different population proportions of flowers. The program simulates finding the sample proportion of flowers by counting the proportion of times that a randomly moving graphic object (a Brown bear) collides with a flower (as opposed to grass). Besides demonstrating the software, I will provide information on how to access the program for use in a statistics class. (Received September 21, 2015)