

1096-VH-2681 **Ann E Moskol*** (amoskol@ric.edu), 2 Longmeadow Rd, Lincoln, RI 02865, Afghanistan.
*Student involvement with the central limit theorem through software using MIT's Imagination
Toolbox.* Preliminary report.

Students often have difficulty understanding the central limit theorem. Using MIT's Imagination Toolbox, I have written a program that allows students to select the population and sample size, and the proportion of flowers in the population. My program models this process by having a graphic object (in this case, a Brown bear) randomly move through a field of flowers and grass, counting the number of flowers and grass with which s/he collides until the total collisions equals the sample size. I will demonstrate my program and describe how I used it in my introductory statistics course. (Received September 17, 2013)