

1086-P5-2740 **Jill Bigley Dunham*** (dunham@hood.edu). *Graph (no longer just) Theory.*

I came to graph theory for the cool pictures and stayed for the beautiful proofs, but not everyone has the same learning style. I will present and demonstrate several types of activities that I have used in courses at a variety of levels: a graph theory course for senior undergraduate math majors and graduate-level mathematics education majors, a sophomore-level discrete mathematics course, and a freshman-level liberal arts math course. The activities involve simple props like colored yarn, masking tape, and balloons to give a tactile understanding of concepts and algorithms in graph theory. (Received September 25, 2012)