

1077-O1-1726 **Julie Barnes*** (jbarnes@email.wcu.edu), Department of Mathematics & Computer Science, Western Carolina University, Cullowhee, NC 28723. *Using feather boas to teach students about functions in pre-calculus, calculus, and real analysis.* Preliminary report.

Students in all levels of mathematics often have trouble visualizing what functions mean. In this talk, we look at how to use feather boas in class to help students understand topics from many levels of undergraduate mathematics. Examples will include function transformations, properties of derivatives, and epsilon - delta proofs of continuity. (Received September 20, 2011)