

1077-O1-2810 **Benjamin J Thirey*** (benjamin.thirey@usma.edu), West Point, NY 10996, and **Robert D Wooster** (robert.wooster@usma.edu), West Point, NY 10996. *The Touchy-Feely Integral and Basic Properties of Integration.*

Elementary levels of education make use of manipulatives in the teaching of fundamental mathematical concepts. As students move on to more advanced topics, mathematical concepts become more abstract and harder to visualize. One approach we have implemented is the use of construction paper. This simple hands-on object can be used to demonstrate the basic properties of integrals, and even provide a visual means of verifying the Fundamental Theorem of Calculus. (Received September 22, 2011)