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Cayla D McBee* (cmcbee@providence.edu). *Engaging Calculus Students with Tactile Learning Activities.*

Many topics in calculus lend themselves well to tactile learning activities. These activities help keep students engaged while building understanding and mathematical intuition. I will discuss specific activities I have used in my calculus classes. Examples include using Play-Doh and floss to study volumes by slicing and using yarn and masking tape to create giant graphs of functions. I will discuss how I incorporated each activity into the class and I will present the written materials that accompanied each lesson. I will also review how the lessons went and provide student feedback on each activity. (Received September 14, 2012)