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Davidson, NC 28035, and **Austin Totty** (atotty@hammondschool.org). *Chocolate covered pi*.

Have an urge for chocolate? Why not use the tasty morsels first to approximate an integral? This talk shows how to use chocolate chips to approximate an integral. The heart of the math lies in how we choose which variety (milk or white chocolate) of chocolate chip to use in our computation. This method motivates the rectangle method for numerical integration. A simple alteration of the method improves the algorithm's accuracy and motivates the Trapezoidal rule. We will also compare the accuracy of these classical methods of numerical integration to the use of candy mosaics for integration. (Received September 10, 2013)