

1145-J1-363      **Nicole R. Kroeger\*** ([kroeger@gssm.k12.sc.us](mailto:kroeger@gssm.k12.sc.us)), 401 Railroad Ave, Hartsville, SC 29550. *Using Toy Cars to Teach Calculus Concepts.*

How can you make the first day of calculus engaging and interesting to students while introducing them to important calculus concepts? Use toy cars! We will discuss and activity for the first day of Calculus I that uses toy cars to help students to understand the connection between average velocity and instantaneous velocity. This activity provides the starting point for an initial classroom discussion of tangent and secant lines, limits, and derivatives. Furthermore, we will discuss other ways to use toy cars throughout a Calculus course to help students engage with the material and see the physical applications of calculus. (Received September 04, 2018)