

1096-VP-2530

Alexander G. Atwood* (atwooda@sunysuffolk.edu), Department of Mathematics, Suffolk County Community College, 533 College Road, Selden, NY 11784, and **Vera Hu-Hyneman** (huhnev@sunysuffolk.edu), Department of Mathematics, Suffolk County Community College, 533 College Road, Selden, NY 11784. *Using Algebra in the Classroom to Understand the Way in which Automobiles Collide.*

The concepts of Intermediate Algebra can provide surprising qualitative and quantitative insight into the way in which automobiles crash into fixed barriers and into other automobiles. Using linear equations in one variable, quadratic functions and some simple concepts from physics, one can analyze and understand what really happens when a car crashes. (Received September 17, 2013)