

1125-G1-1821      **Audrey Malagon\*** (amalagon@vwc.edu), **Lydia Kennedy** and **Kristin Burney**. *Don't Drink the Kool-Aid!*

This hands-on inquiry based differential equations project gives students the opportunity to experiment and explore mixing problems in a lab setting. Using powdered drink mix, and two stacked beverage dispensers, students explore flow rates and how the amount of drink powder in a tank changes when varying concentrations of powder and water mixture are used. (Received September 19, 2016)