

1163-A1-1572      **Kayla Heacock** and **Kelly Bulp\*** (kmbulp@frostburg.edu). *Student Buy-In and Affective Gains in IBL Calculus.*

Student buy-in is essential to the success of inquiry-based learning courses. The creation of a supportive and productive learning environment can lead to gains in both learning and affective domains. We will discuss assignments designed to foster student buy-in through introducing students to learning through effort, collaboration, struggle, and from mistakes. Additionally, we will share data on the impact of these assignments on students' reported gains in related affective domains such as persistence, confidence, and positive attitude toward mathematics. (Received September 15, 2020)