

Goal 3.3

Modified Dive Responses

Tyra Nevers

Throughout my time at Longwood I took several courses that pertained to the macro-level of biology. If an individual is distracted while dunking their head in water, then the dive response will decrease. Each series of increased distraction will further decrease the response. We simulated the dive response by dunking the subject's head in a bin of water for an extended period of time. Heart rate was measured 10 sec before dunk, 30 seconds during, and 10 sec after. Hypothesis was correct, as the distraction levels increased, the dive response decreased. It has been proved in other readings that the dive response affects the heart rate. This experiment was very interesting. We learned how to study someone respiration and many other skills.