

Abstract Submitted  
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**Force Production during Pressing Barbell** NICK WOODWARD, KEN ALTSHULER, KIM FARAH, Lasell College, DIPTI SHARMA, WIT — This is an undergraduate project, done by science minors, which applies Newton's second law and the laws of mechanics in a real world application. In this project, the applied force produced when push pressing a 60 lb. barbell was determined. The experiment was done several times to get accurate data and analyzed using logger pro. The definition of independent, dependent and control variables were applied. Video analysis was done and results supported Newton's second law. The project provided students a means to understand Newton's Law in terms of a real life activity [1].

[1] D. Sharma and K. Farah, "Introducing the "RPPTM" Model of Teaching Physics to Health Science Majors," Bulletin of the American Physical Society, s2014, 59 (4) B1.00005

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