



Name(s)	Project Number
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Project Title	
Increased Gravity	
Abstract	
D bjectives/Goals Three different objects of the same weight: zinc, tin, and lead weight at increased gravity.	d were tested to see if their size influenced
Aethods/Materials	
A 12" Patton Fan was used with spring scales mounted on th alternated on the calibrated sping scales The spring scales we tested 3 times. There were 27 positions tested.	e blades. The zinc, tin, and lead masses were ere alternated as well. Each position was
Results	
Results show that the smallest volume produced the greatest largest volumed produced the leastaverage weight at increase	average weight at increased gravity and the ed gravity.
It is inconclusive that larger objects exert more gravitational	l force at increased gravity than smaller
objects of the same weight. It appears from the findings that	perhaps smaller objects exert more force at
increased gravity than larger objects of the same weight. But	these results are questionable due to the
margin of error with the spring scales used with this investig	gation.
Summary Statement	
Do larger objects exert more gravitational force at increased weight?	gravity than smaller objects of the same
Help Received	
Dad typed the report, parents bought the backboard and pape Fan and helped with the display. Science teacher loaned the the apparatus and methods.	er supplies, parents donated the 12" Patton spring scales and masses and gave advice on

Ap2/02