

Day	Academic Objective	Activities	Homework/Assessments	Biblical Integration
M	Describe the role of forces in changing motion	Discuss chapter 4, pg. 120 – 123 "Forces"	<ul style="list-style-type: none"> • thLAB: Inertia – Due TOMORROW; <i>Observations and answers to questions on notebook paper</i> • Read chapter 4, pg. 125 – 126 • SlitN due Friday – topic STEM • Web post due by Saturday, 8:00 A.M. 	Students will understand that it is by God's plan and purpose that we live and move and have our being by observing and describing the role of forces for object in equilibrium and the resulting motion when forces are not in equilibrium
TU	Observe and describe the law of inertia	Discuss chapter 4, pg. 125 – 126 "Newton's First Law" Video: Newton's 1st Law	<ul style="list-style-type: none"> • Pg. 146 - 149: 1 – 9 	
W	Investigate inertia and use it to determine mass	LAB: Inertia Balance		
TH	Describe and calculate with forces in equilibrium	Discuss chapter 4, pg. 126 - 129 "Net External Force" "Equilibrium"	<ul style="list-style-type: none"> • Equilibrant Forces Worksheet • Science In the News due Friday – topic everyday application of physics 	
F	Describe and calculate with forces in equilibrium	Practice Equilibrium Problems	<ul style="list-style-type: none"> • Equilibrant Forces Worksheet II • Web post due by Saturday, 8:00 A.M. 	

"Let today be the day you give up who you've been for who you can become." Hal Elrod

Therefore, if anyone is in Christ, *he is* a new creation; old things have passed away; behold, all things have become new. 2 Corinthians 5:17