

Day	Academic Objective	Activities	Homework/Assessments	Biblical Integration
M	Investigate inertia and use it to determine mass	<b>LAB:</b> Inertia Balance	<ul style="list-style-type: none"> <li>Pg. 146 - 149: 1 – 9</li> <li>Read chapter 4, pg. 126 - 129</li> <li><b>Web post</b> due by Friday 11:59 PM Topic – STEM, see note below</li> </ul>	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.
TU	Describe and calculate with forces in equilibrium	Discuss chapter 4, pg. 126 - 129 "Net External Force" "Equilibrium"	<ul style="list-style-type: none"> <li>Equilibrant Forces Worksheet</li> </ul>	
W	Practice problem solving	Practice equilibrant force problems	<ul style="list-style-type: none"> <li></li> </ul>	
TH	Investigate equilibrant forces motion	<b>ACTIVITY:</b> Equilibrant Forces	<ul style="list-style-type: none"> <li>Equilibrant Forces Worksheet II</li> </ul>	
F	Discuss Newton's laws of motion	Discuss chapter 4 pg. 130 - 134 "Newton's 2 <sup>nd</sup> & 3 <sup>rd</sup> Laws"	<ul style="list-style-type: none"> <li>Pg. 146 - 149: 13 – 22, 45</li> <li>Print &amp; Read <b>LAB: Newton's Second Law</b></li> <li><b>Web post</b> due by Friday 11:59 PM Topic – STEM, see note below</li> </ul>	

**STEM Web Post** – CAREFUL! Your comment may not be the same as another student's.

- Source** for STEM topics research **must be** from Science News at <https://www.sciencenews.org/> or some other such source
- Research and describe in at least 2 quality sentences some current interesting research in science, technology, engineering, or mathematics.
- Copy and paste the link to the article that you used at the end of your comment

**2<sup>ND</sup> Term Lab Reports** due Monday, October 30, by 11:59 PM – submit as PDF 2X

**TEST** on chapter 4 Tuesday, November 7ish

"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