

Day	Academic Objective	Activities	Homework/Assessments	Biblical Integration
T	Derive formulas to calculate acceleration	Review acceleration problems	<ul style="list-style-type: none"> <li>The Physics Classroom <b>ACTIVITY:</b> Words &amp; Graphs – see note below</li> <li>If necessary: Pg. 73 - 78: 41, 42, 45, 50 (You can do it!!) <b>AND</b> Velocity &amp; Acceleration Rev. WS</li> <li><b>Web post due by Saturday, 8:00 A.M.</b></li> </ul>	Students will understand that as we learn to qualify and quantify motion we can test our understanding of it and fulfill God's command to subdue the earth, by graphically analyzing velocity and acceleration.
W	Analyze velocity and acceleration	<b>TPC ACTIVITY:</b> Name That Motion <b>TPC ACTIVITY:</b> Graph That Motion - see notes below		
TH	Describe and calculate vertical acceleration	Discuss chapter 2, pg. 58 - 62 "Falling Objects"	<ul style="list-style-type: none"> <li>Pg. 73 - 78: 26 – 32, 34, 37</li> <li><b>thLAB: Reaction Time</b> – Due Mon. Sept. 14, (Answer on notebook paper. Make a Data Table. Yes on Questions; NO on Extension this time)</li> </ul>	
F	Describe and calculate acceleration	Review acceleration problems	<ul style="list-style-type: none"> <li>Pg. 73 - 78: 36, 39 - 40, 46 – 47, 48</li> <li><b>Web post due by Saturday, 8:00 A.M.</b></li> </ul>	

**All Lab Reports** due Tuesday, September 8 – For formal lab reports, save as PDF 2X (That means to Google Drive and Turnitin.com)

**Test** on Chapter 2 Wednesday, Sept. 16

**The Physics Classroom** Activities

- Set up an account at [The Physics Classroom](https://www.physicsclassroom.com/). Click on My Account at <https://www.physicsclassroom.com/>
- Class code is ncsphysics20
- Your User Name should be your Last Name, First Name
- Click on Tasks and Courses to open your assigned activities. Read all the directions on the activity page

**ACTIVITY: Words and Graphs**

- Complete the Wizard level – but it might be helpful to practice with the Apprentice, and Master levels first
- Hints: Pencil, paper and a calculator are very useful. And don't forget what m/s/s measures.

**ACTIVITY: Name That Motion**

- Watch the [Dot Diagrams video](https://youtu.be/CL8b3EC-sks) on the page or here: <https://youtu.be/CL8b3EC-sks>
- Complete the Wizard level – but it might be helpful to practice with the Apprentice, and Master levels first
- Hint: If a car is slowing down the acceleration is always OPPOSITE the velocity

**ACTIVITY: Graph That Motion**

- Complete the Wizard level – but it might be helpful to practice with the Apprentice, and Master levels first

Give, and it will be given to you. A good measure, pressed down, shaken together and running over, will be poured into your lap. For with the measure you use, it will be measured to you. Luke 6:38