

Day	Academic Objective	Activities	Homework/Assessments	Biblical Integration
T	Derive formulas to calculate acceleration	Discuss chapter 2, pg. 52 - 56 "Acceleration" – Part 2 Practice Acceleration Problems	<ul style="list-style-type: none"> Pg. 73 - 78: 41, 42, 45, 50 (You can do it!!) AND Velocity & Acceleration Rev. WS Web post due by Friday 11:59 PM 	
W	Derive formulas to calculate acceleration Analyze velocity and acceleration	Review acceleration problems		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.
TH	Describe and calculate vertical acceleration	Discuss chapter 2, pg. 58 - 62 "Falling Objects"	<ul style="list-style-type: none"> TPC – Up and Down & Free Fall Concepts – All levels on both – pay close attention to direction!!- due by class Fri Pg. 73 - 78: 32, 34, 37, 39 	
F	Describe and calculate vertical acceleration	Review acceleration problems thLAB: Reaction Time	<ul style="list-style-type: none"> Pg. 73 - 78: 36, 40, 46 – 47, 48 thLAB: Reaction Time – Due Mon. Sept. 11, (Answer on notebook paper. Make a Data Table. Yes on Questions; NO on Extension this time) Web post due by Friday 11:59 PM 	

Test on Chapter 2 Tuesday, Sept. 12

HEADS UP: The Physics Classroom – THREE ACTIVITIES – Next Monday HW, due by class next Tuesday

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: Which One Doesn't Belong

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

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.
- Remember what the area under the line on a graph represents

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