

Texts:

Packet Due **10-19-18**Physics (Cutnell & Johnson) 6th EditionOpenstax College Physics for AP Courses (Free electronic version)Edvantage Science AP Physics 1

1. **WRITE YOUR NAME**, first and last name, on top of this cover sheet.
2. **COMPLETE ALL THE WORK** as assigned.
3. **BOTH THE STUDENT AND A PARENT MUST SIGN** here before turning in the monthly work.
4. **COVER SHEET**: Put this cover sheet on top of the work when you turn it in.
5. **THE EXPECTATION IS THAT**: You will turn in your work in the order shown below.
6. **TURN IN THIS WORK ON TIME** to your supervising teacher.
7. **Students must submit at least two lab works/report for month 2.**

Student Signature_____
Date_____
Parent Signature_____
Date**Cutnell Ch. 3 – Kinematics in Two Dimensions**1) P. 74 Conceptual #1-9, 11– P. 75 Problems #1, 2, 5, 17, 27**Cutnell Ch. 4 – Forces and Newton's Laws of Motion**2) P. 115 Conceptual #1-4, 6-7 - P. 116 Prob. #1, 3, 5, 11, 13, 23, 27, 34, 35, 55, 58, 67, 69**OpenStax Ch. 3 – Two-Dimensional Kinematics**

3) Glossary: analytical method, commutative, head to tail method, motion, projectile motion, range, relative velocity, resultant, and trajectory.

4) Problems & Exercises #25, 40, 46, 55, 65 – Test Prep for AP # 1, 2, 6

OpenStax Ch. 4 – Dynamics: Force and Newton's Laws of Motion

5) Glossary: dynamics, external force, force, force field, free-body diagram, friction, inertia, inertial frame of reference, net external force, Newton's first of motion, Newton's second law of motion, Newton's third law of motion, normal force, system, tension, thrust, and weight.

6) Problems & Exercises #1, 2, 6-8, 22, 23, 25 34, 42 - Test Prep for AP #5-12, 19, 21, 25

7) Edvantage AP Physics 1: **Kinematics**, p. 78, #1, p. 79, #4, p. 87, #198) Edvantage AP Physics 1: **Dynamics**, p. 103, #5, p. 115 #2, p. 116 #9, p. 121 #3, p. 132 #1-3, 69) Two + **Laboratory Experiments/Exercises**

a) 9/27/18 – Motion Prediction Using Kinematic Equations Lab

b) 10/4/18 – Forces On An Inclined Plane Lab

c) 10/11/18 – Review (Cutnell Student Companion Ch. 3, 4 Self-Assessments Tests)

10) Very Preliminary Research Paper (2-3 pages) telling about some history of the topic your project deals with. Include definitions of key words you use that may be of help to someone not familiar with the details of your investigation. In short, find out more about the science ideas of your project, and take good notes about where you found this information (bibliographic notes) that you will need later in the final write up at the end of the semester.