

Texts:

Packet Due **12-14-18**

Physics (Cutnell & Johnson) 6th Edition

Openstax 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 4.**

Student Signature

Date

Parent Signature

Date

Cutnell Ch. 7 – **Impulse and Momentum**

1) P. 199 Conceptual #3-4, 8, 10, 20 – p. 200 Problems #1-3, 8, 9, 20-21, 25, 30, 40, 47, 48

OpenStax Ch. 8 – **Linear Momentum and Collisions**

2) Problems & Exercises #1, 2, 5, 8, 16, 19, 24, 27, 28, 52

3) Openstax Test Prep for AP Courses (Ch. 8), Problems #1, 8, 12-14, 17, 23,
24, 27, 28, 34-37

Edvantage – **Ch. 4 Energy, and Ch. 5 Momentum**

4) p. 228 #16, p. 238 #2, p. 242 #3, p. 243 #6, p. 244 #10
p. 249 #3, p. 250 #6, p. 253 #8

5) Two **Laboratory Experiments/Exercises/Demonstrations**

- a) 11/29/18 - Impulse and Momentum
- b) 12/6/18 - Linear Momentum and Collisions

6) Openstax Glossary p. 347: change in momentum, conservation of momentum principle, elastic collision, impulse, inelastic collision, internal kinetic energy, isolated system, momentum, perfectly inelastic collision, point masses, second law of motion

7) Summary of the progress you have made on your Semester Science Fair Project so far.
(Please see the complete list of what is expected for the final turn in at the end of the first Semester, Friday, January 25, in the Cafeteria, at the Mt. Everest Website, under Staff, N. Negus: AP Physics 1)