

Welcome to AP Physics 1! I look forward to having you in class. This assignment will familiarize you with the class and exam as well help you review to get ready to start the first unit.

If you have questions, contact me on teams or email. gmeerschaert@hisd.org I won't be able to check it each day, but I will check it at least once a week.

Instructions: Answer questions 1 and 2 on a separate sheet of paper and turn in on the first day of class. Complete number 3 online by 8:00 AM on August 15th.

1. Find the following information about the AP Physics 1 exam:
 - a. How many multiple choice questions?
 - b. How many free response questions?
 - c. Are you allowed to use a calculator?
 - d. Do you need to show your work on free response questions?
 - e. Are you allowed to bring a notecard with equations written on it?
2. Find the following information about the AP Physics 1 Class:
 - a. What are the topics for each of the seven units?
 - b. Which unit is the biggest percentage of the exam score?
 - c. Which unit is the smallest percentage of the exam score?
 - d. What are the five Big Ideas for AP Physics 1?
 - e. Do you need to save your lab notebook from this course?
3. Join my class on Khan Academy: <https://www.khanacademy.org/join/WN45Z59N> or www.khanacademy.org/join class code **WN45Z59N** and earn a passing grade (60% or above) on the following assignments:

a. [Solving equations & inequalities: Quiz 1](#)

b. [Rate conversion](#)

c. [Using units to solve problems](#)

d. [Pythagorean theorem challenge](#)

e. [Right triangles & trigonometry: Quiz 2](#)

f. [Finding distance and displacement from graphs](#)

g. [Average velocity and speed in one direction: word problems](#)

h. [Average velocity and speed with direction changes: word problems](#)

i. [Calculating average acceleration from graphs](#)

j. [Connecting acceleration and velocity graphs](#)

k. [Choosing the best kinematic equation](#)

l. [Kinematic equations: numerical calculations](#)

m. [Solving freefall problems using kinematic formulas](#)