# Summer Work SY 26-27
## AP Physics C: Mechanics

Watch the following YouTube Videos which review the necessary calculus you will need for this course.

Calculus Needed for AP Physics C (1 of 5)
Calculus Needed for AP Physics C (2 of 5)
Calculus Needed for AP Physics C (3 of 5)
Calculus Needed for AP Physics C (4 of 5)
Calculus Needed for AP Physics C (5 of 5)

Using this Textbook, read the units below and complete the accompanying practice problems on a piece of paper. Show your work for each problem and round your answers to the appropriate number of significant figures.

Your work will be submitted on the first day of classes and there will be an assessment within the first two weeks of class.

- Unit 1: The Nature of Science and Physics - **Read 1.1-1.3**
    - **Problems and Exercise:** #1-5; #11-15

- Unit 2: Kinematics - **Read 2.1-2.8**
    - **Problems and Exercise:** #1-8; #16-17; #20-22; 40-42; #59-61

- Unit 3: 2-Dimensional Kinematics - **Read 3.1-3.5**
    - **Problems and Exercise:** #1-4; #13-15; #25-28