

- **Issue – Four new preps**
  - I will not be able to prep four new classes, build a physics program and outfit a physics lab.
  - It is also looking like there will be three sections of Conceptual physics in which case, three conceptual physics, one physics, and one Honors/AP Physics is a load of 5 classes (full science load is 4 classes)
  - **Solution – I don't teach AP Calculus**
- **Issue – State of the Physics lab**
  - The current lab is acceptable for teaching a conceptual physics course and is far below the standards of even a normal level senior physics course.
  - It will cost \$12,000 minimum to set up a basic lab in order to do a senior physics course and will suffice for an Honors course. This lab will still be considerably less sophisticated than the public school labs in Marin.
    - Additional money for AP Physics C mechanics is minimal and a possible course for next year.
    - AP Physics B would require a substantial investment as the basic lab above does not include any labs or demonstrations for Fluid mechanics, thermal physics, temperature and heat or atomic and nuclear physics.
  - **Solution – \$12,000 towards the physics lab, outfit the lab over the year and talk about APs in the spring.**
- **Issue – Honors vs. AP Physics B, C Mechanics, C Electricity and Magnetism**
  - “The strongly recommended format for both the Physics B and Physics C courses is a second-year course following the usual introductory course... However, because of the nature of the AP course, whichever approach is taken, the teacher needs time for extra preparations for both class and laboratory and should have a teaching load that is adjusted accordingly” - Collegeboard, pg 7
  - “At the very least, a weekly extended or double laboratory period is needed. *It is not advisable to attempt to complete high-quality AP laboratory work within standard 45- to 50-minute periods.*” Pg 9
  - The best AP class to teach at Bentley would be AP Physics C – Mechanics. This is a calculus based course that is focused enough to build a conceptual understanding with a solid laboratory experience.
    - CPS – Only regular Physics no honors or AP
    - Marin Academy - AP Physics C Mechanics
    - Redwood High School (Marin public) – AP Physics C Mechanics
    - Head-Royce – AP Physics B
    - University High School – AP Physics C Mechanics and C Electricity & Magnetism (both one year courses)
    - Tamalpais High School (Marin public) – Honors Physics
    - Marin Catholic – Honors Physics
    - Saint Mary's – only regular physics
    - SI – Honors Physics, AP Mech C
  - **Solution – Teach Honors Physics this year and figure out APs in the spring.**

