

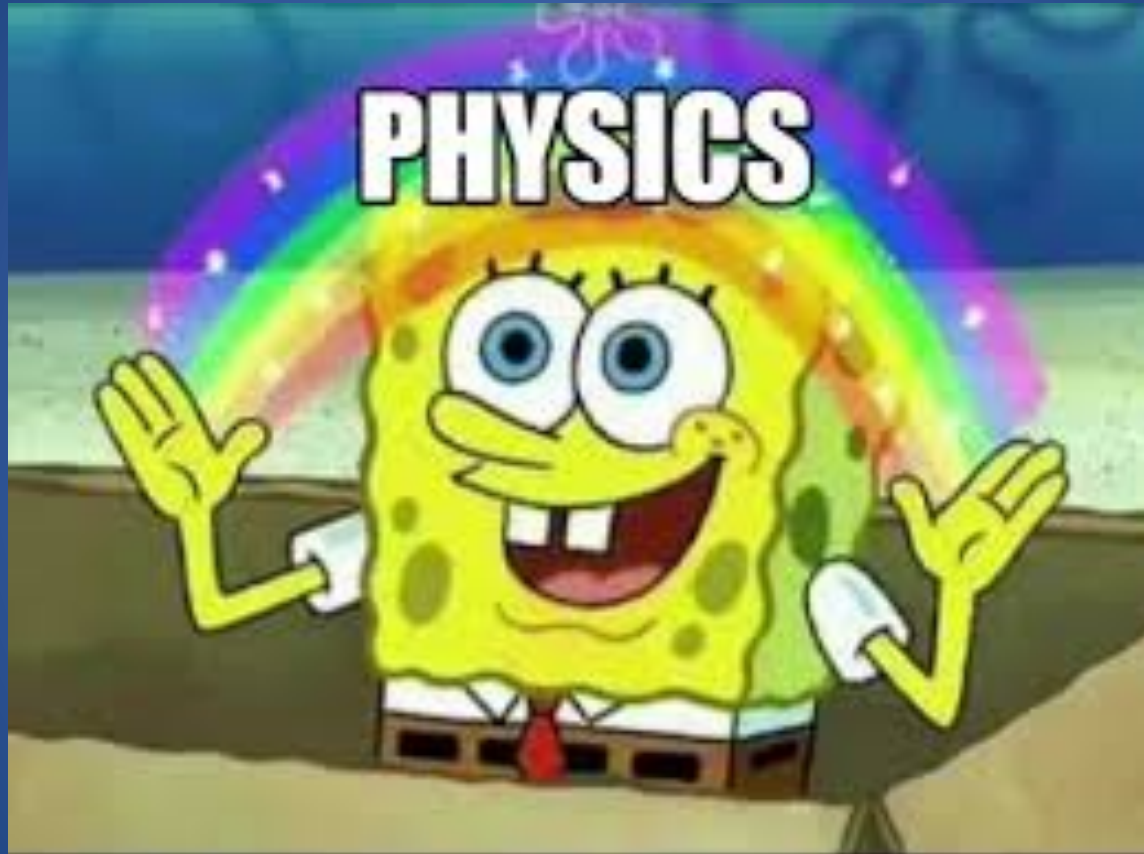
CHS Science Program

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!!Freshman!!



Honors Physics, Physics, and Foundations of Physics

All Physics Classes

- Form the foundation for understanding all science
 - Design lab experiences
 - Gather data
 - Graph data to determine relationships between variables
 - Verbally present findings to class
 - Develop models to explain data expressed verbally, symbolically, graphically and algebraically.
 - Focus is on energy and the mechanics of motion under the influence of a gravitational field.

Considerations

- Standardized Test Scores - WMS %iles
 - In literacy: Reading
 - In math: NWEA
- 9th Grade Math Course Placement
- 8th Grade Science scores
- Science Reasoning Test

Recommendations (con't)

- 8th Grade Teacher Considerations
 - Study Skills and Tenacity
 - Independence and Comfort with Deferred Closure
 - Curiosity and Problem Solving
- Discussions with 8th grade team, 9th grade teachers, Science Curriculum Coordinator and CHS department chair.
- Placement important for success and maximized learning.

9th Grade Elective

- Elective: Principles of Biomedical Science
 - Integrated Biology, Chemistry, and Medicine
 - Ongoing case studies/scenarios
 - Laboratory Investigations and Project Based Curriculum



Sophomore Year: Chemistry

Honors Chemistry, Chemistry, and Foundations of Chemistry



Chemistry

- Focus on the interactions of charged particles (protons and electrons) under the influence of electromagnetic fields.
Aka – more physics!
- Forms the foundation for understanding Biology

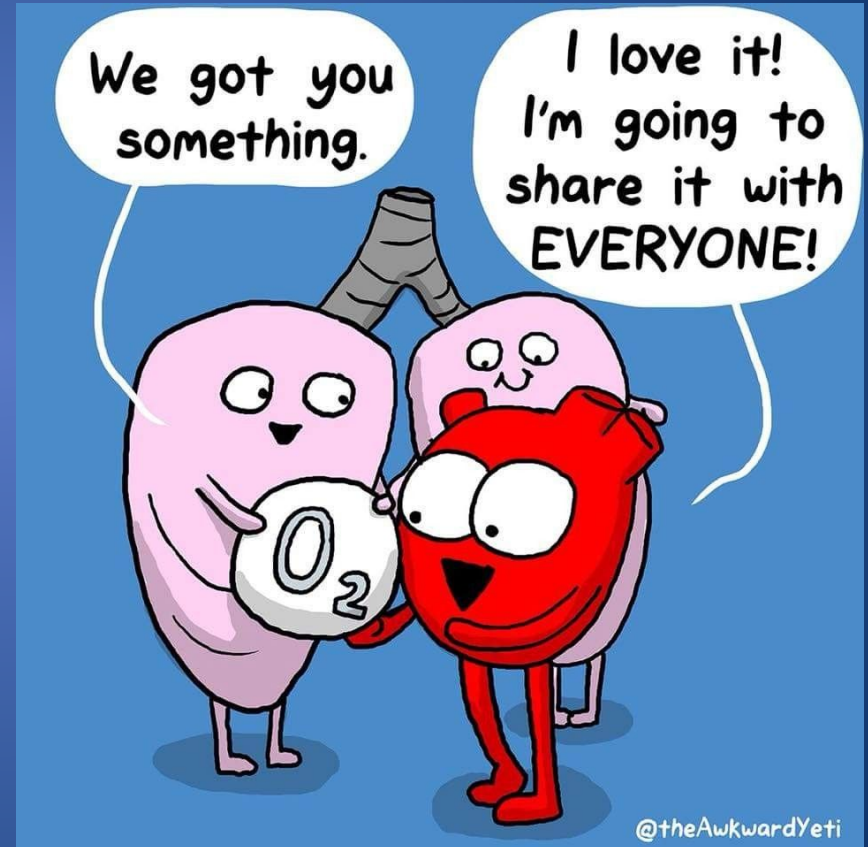
YOU MATTER

**UNLESS YOU MULTIPLY YOURSELF BY THE
SPEED OF LIGHT SQUARED, THEN YOU ENERGY**

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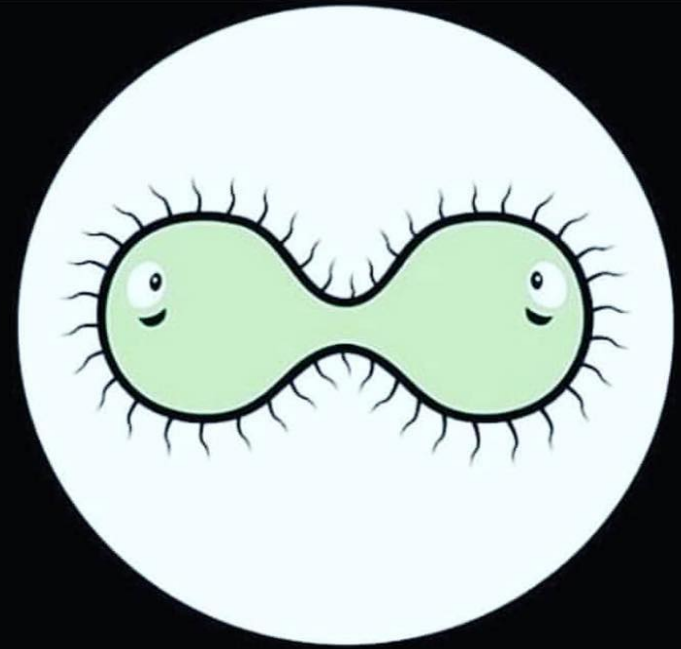
Sophomore Elective

- If students have taken Principles of Biomed Science, they can take Human Body Systems (Anatomy & Physiology) in 10th grade.
- Explore human anatomy, body systems and disease through dissection, labs and model-building.



Junior Year

- CORE:
 - Biology: Chemistry & Physics applied to Life
 - Honors Biology, Biology, Foundations of biology
 - Learn about living systems at the ecosystem, organismal, cellular, and molecular level



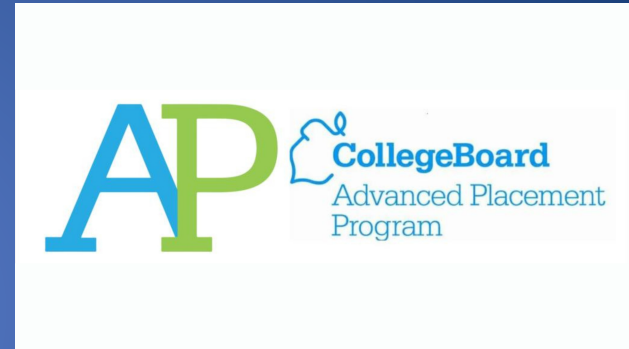
Biology

the only science where
division and **multiplication**
mean the same thing

Junior and Senior Year

So many cool science options

- Students have the opportunity to take electives in which they have the most interest.
- **AP Electives**
 - Physics 1 and 2
 - Chemistry
 - Biology
 - Environmental Science
- **Semester Electives**
 - Solar System/Cosmology
 - Anatomy & Physiology
 - Forensic Science
 - Plant Science 1 and 2
 - And many more!



PLTW Biomed Courses

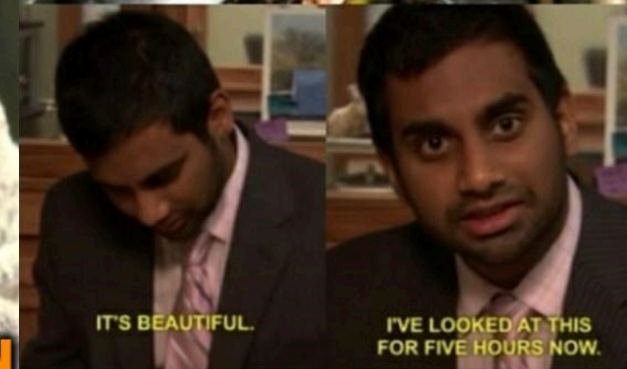
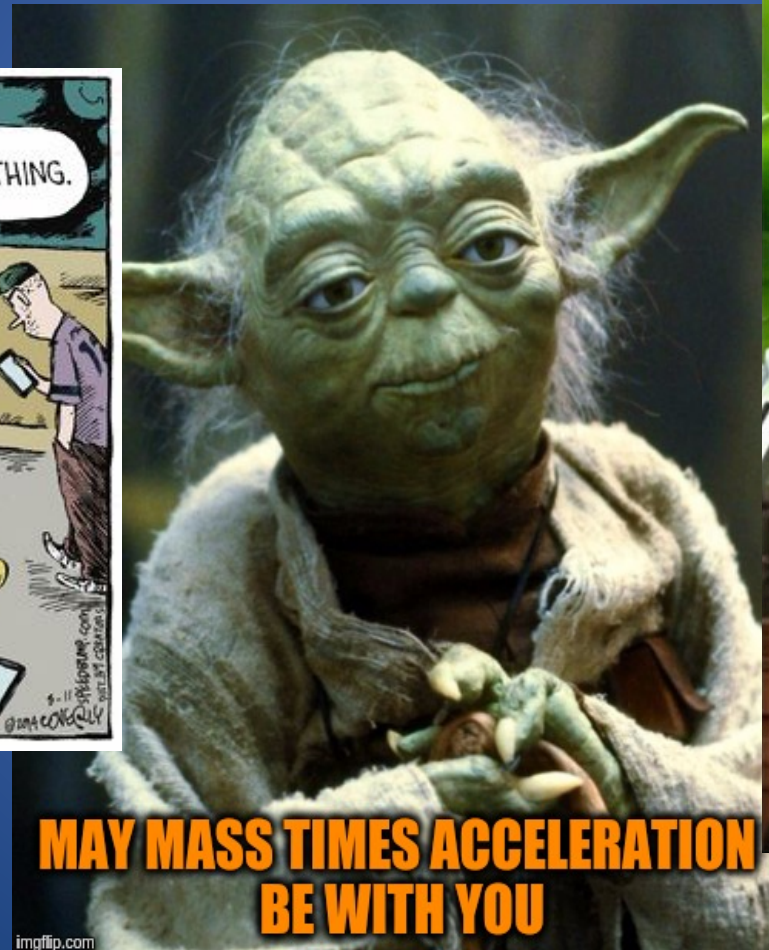
- Principles of Biomedical Science
- Human Body Systems
- Medical Interventions
- Biomedical Innovations

Thank you for your attention!



Senior Year

- Students have the opportunity to take electives in which they have the most interest.



MR. BUCK
for
PLTW

