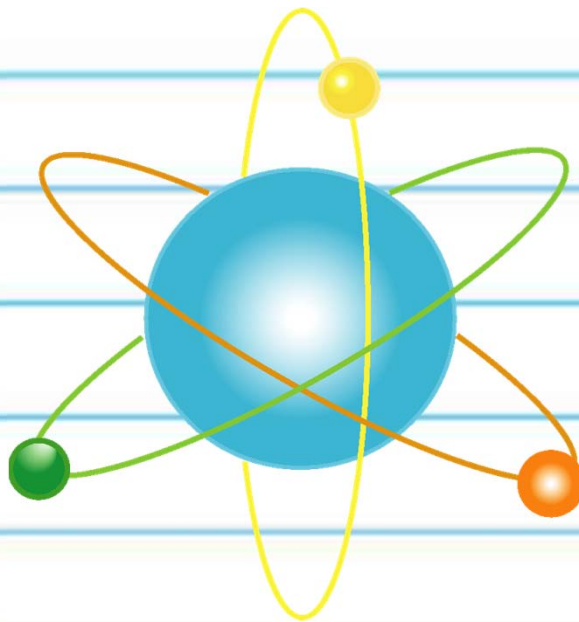


# CHS AP Forum: Science



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# Why participate?

- Build College Skills
  - Problem Solving & Study Habits
- Standout during Admissions
  - Maturity & Ambition
- College Advancement
  - Placement & Credit
  - Google Search “AP Test College Credit”

# Our Offerings

Course	Chemistry	Physics	Biology	Environmental Science
Grades offered	11 <sup>th</sup> & 12 <sup>th</sup>	12 <sup>th</sup>	12 <sup>th</sup>	12 <sup>th</sup>
Readiness Assessment	Yes	Yes	No	Likely
Possible Majors	<ul style="list-style-type: none"><li>• Biology</li><li>• Engineering</li><li>• Material Sciences</li><li>• Pre-Med</li><li>• Pharmacy</li></ul>	<ul style="list-style-type: none"><li>• Physical Sciences</li><li>• Engineering</li><li>• Physics</li><li>• Astronomy</li><li>• Computer Science</li></ul>	<ul style="list-style-type: none"><li>• Pre-Med</li><li>• Biology</li><li>• BioChemistry</li><li>• Public Health</li><li>• Environmental Sciences</li></ul>	<ul style="list-style-type: none"><li>• Environmental Planning/Policy</li><li>• Marine Biology</li><li>• Climatology</li><li>• Field Ecology</li><li>• Bioenvironmental Engineering</li><li>• Biomedical Research</li></ul>

\*All courses meet at least 7 periods a week

\*All students are expected to take the AP test

\*All courses include a summer assignment

# Chemistry

- Two years of Chemistry in one year
- Reasoning and Data Analysis
- Pre-requisite: Algebra 2

## The Periodic Table

1 H																	2 He
3 Li	4 Be											5 B	6 C	7 N	8 O	9 F	10 Ne
11 Na	12 Mg											13 Al	14 Si	15 P	16 S	17 Cl	18 Ar
19 K	20 Ca	21 Sc	22 Ti	23 V	24 Cr	25 Mn	26 Fe	27 Co	28 Ni	29 Cu	30 Zn	31 Ga	32 Ge	33 As	34 Se	35 Br	36 Kr
37 Rb	38 Sr	39 Y	40 Zr	41 Nb	42 Mo	43 Tc	44 Ru	45 Rh	46 Pd	47 Ag	48 Cd	49 In	50 Sn	51 Sb	52 Te	53 I	54 Xe
55 Cs	56 Ba	57-71 La	72 Hf	73 Ta	74 W	75 Re	76 Os	77 Ir	78 Pt	79 Au	80 Hg	81 Tl	82 Pb	83 Bi	84 Po	85 At	86 Rn
87 Fr	88 Ra	89-103 Ac	104 Rf	105 Db	106 Sg	107 Bh	108 Hs	109 Mt	110 Ds	111 Rg	112 Cn	113 Uut	114 Fl	115 Uup	116 Lv	117 Uus	118 Uuo
57 La	58 Ce	59 Pr	60 Nd	61 Pm	62 Sm	63 Eu	64 Gd	65 Tb	66 Dy	67 Ho	68 Er	69 Tm	70 Yb	71 Lu			
89 Ac	90 Th	91 Pa	92 U	93 Np	94 Pu	95 Am	96 Cm	97 Bk	98 Cf	99 Es	100 Fm	101 Md	102 No	103 Lr			

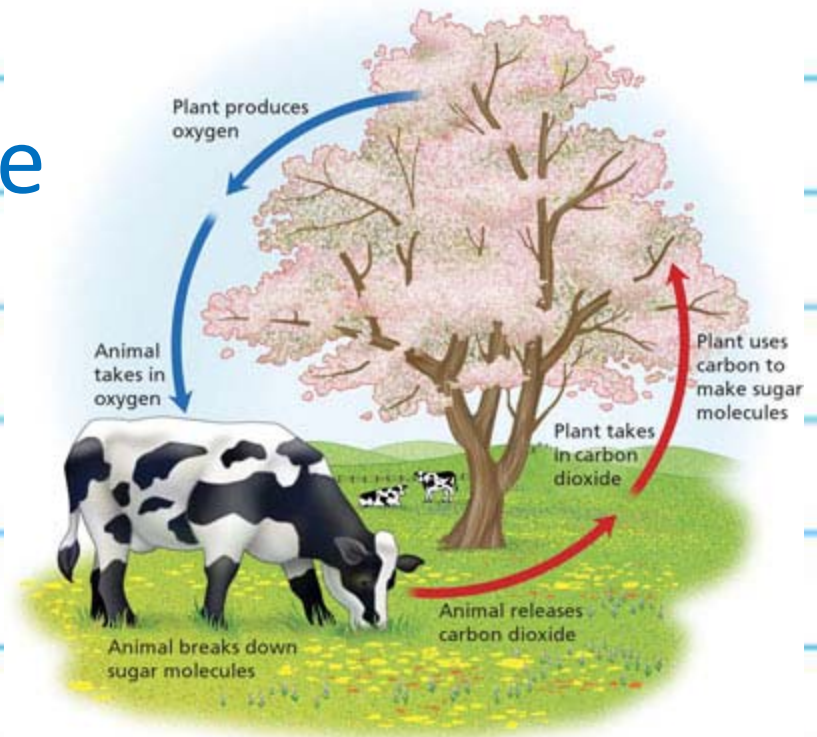
# Physics

- Mechanics + Electricity & Magnetism
- Extends sophomore physics with a greater degree of mathematical sophistication.
- Calculus co-requisite



# Biology

- Bio-chemistry of Basic Life Processes
  - Cell signaling, Photosynthesis, genetics
- Reading intensive



# Environmental Science

- Identify & Analyze Environmental Problems, Evaluate Risks and Examine Solutions
- Reading Intensive
- Inter-Disciplinary
  - Reading Comprehension
  - Problem Solving/Math Aptitude
    - % Change, Growth Rate, Efficiency



# To Consider...

- Rigor
  - College Board Approved
- Self-Assessment
  - Interests, commitments (Other APs?)
- Alternative Options:
  - Physics 2, Astronomy, Anatomy, BioChemistry,  
Environmental Science, Forensic Science,  
Senior Biology (year)

# Keys to Success

1. Maintain Pace
2. Independent Study/Practice
3. Enthusiasm and Hard Work
  - 45 mins per night of HW

# Resources

- [APstudent.CollegeBoard.org](https://apstudent.collegeboard.org)
- CHS Guidance Course Selection
- Science Staff

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