



# Ridge High School Science Program 9<sup>th</sup> Grade Curriculum

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# Science Course Selection Outline: 9<sup>th</sup> grade

**8th Grade  
Earth Science**

**CP Biology  
(Conceptual)**

**CP Biology  
(Mathematical)**

**Honors Biology**



# CP Biology (Conceptual)

- ❖ Introduction to the study of biology, covers core NJ science standards
- ❖ Weekly lab activities
- ❖ Minimal use of mathematics
- ❖ 6 credit course
- ❖ No prerequisites
- ❖ Text: **Biology, Miller and Levine, Pearson**



# CP Biology (Mathematical)

- ❖ Introduction to the study of biology, covers core NJ science standards
- ❖ Weekly lab activities that includes mathematical analysis of lab results
- ❖ 6 credit course
- ❖ No prerequisites
- ❖ Text: **Biology, Miller and Levine, Pearson**



# Honors Biology

- ❖ Includes independent mathematical analysis of lab results as well as class work
- ❖ Faster paced course than CP Biology (M), some material covered independently for SAT subject test
- ❖ Prepares students for the SAT subject test in Biology: <http://tinyurl.com/yfhbazz>
- ❖ 6 honors credit course
- ❖ Prerequisites: Must satisfy honors criteria
- ❖ Text: Biology, Life on Earth (Audesirk)



# NJ Biology Competency Test NJBCT

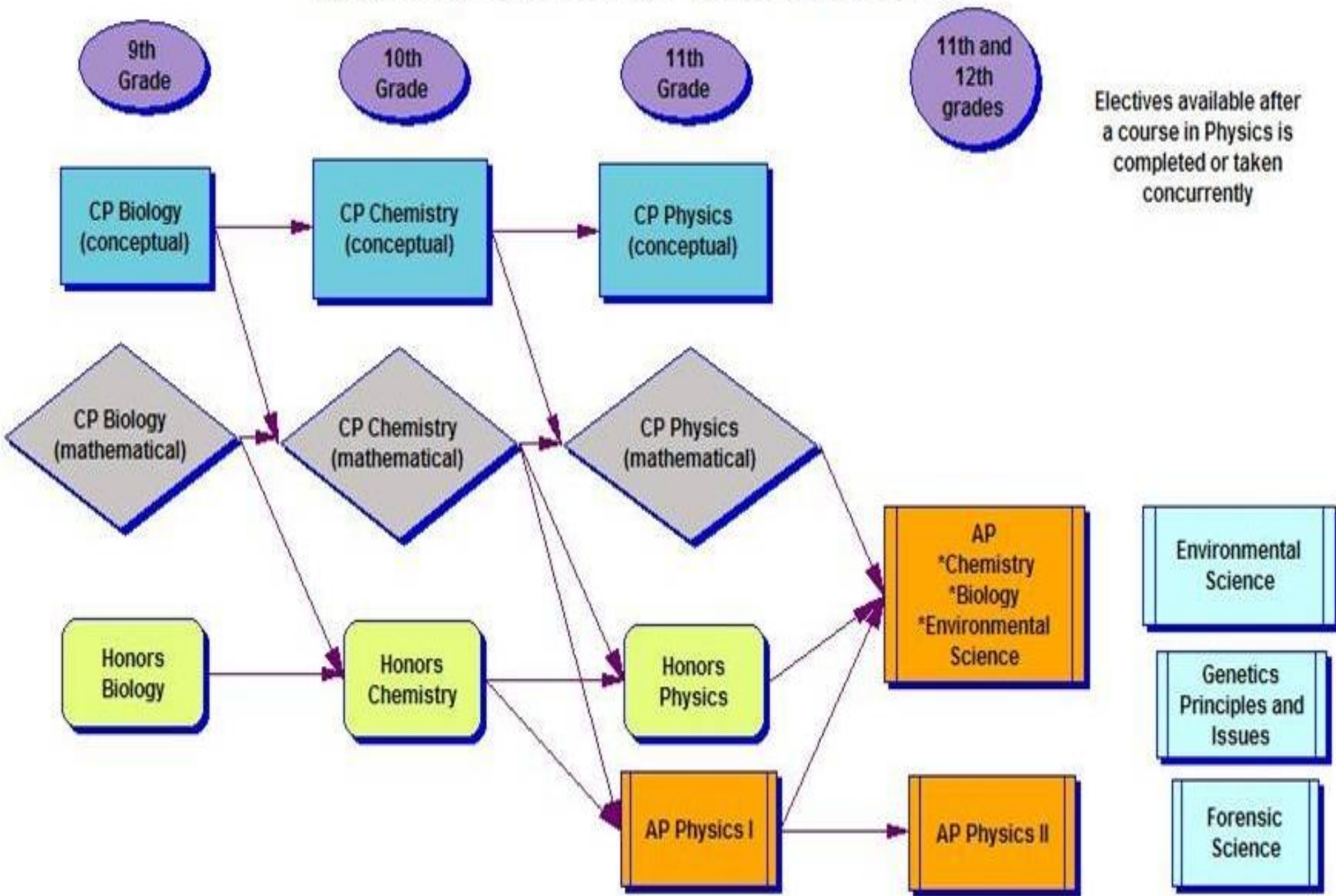
- Taken in May of each year
- All students taking their first HS Biology course
- Combination of multiple choice questions and performance assessment (scenario and open ended questions)
- Aligned to NJCCCS Science Strands:
  - Organization and Development
  - Matter and Energy Transformations
  - Interdependence
  - Heredity and Reproduction
  - Evolution and Diversity
- Not a graduation requirement, but results are reported to schools

# Ridge Science Course Progression

- Freshman: Biology
- Sophomore: Chemistry
- Junior: Physics
- Senior: AP and other electives
- Each level has Conceptual, Mathematical, and Honors options



# Ridge High School Science Course Progression



Check program of studies for course prerequisites. Students in Honors and AP Programs must meet Honors guidelines.