

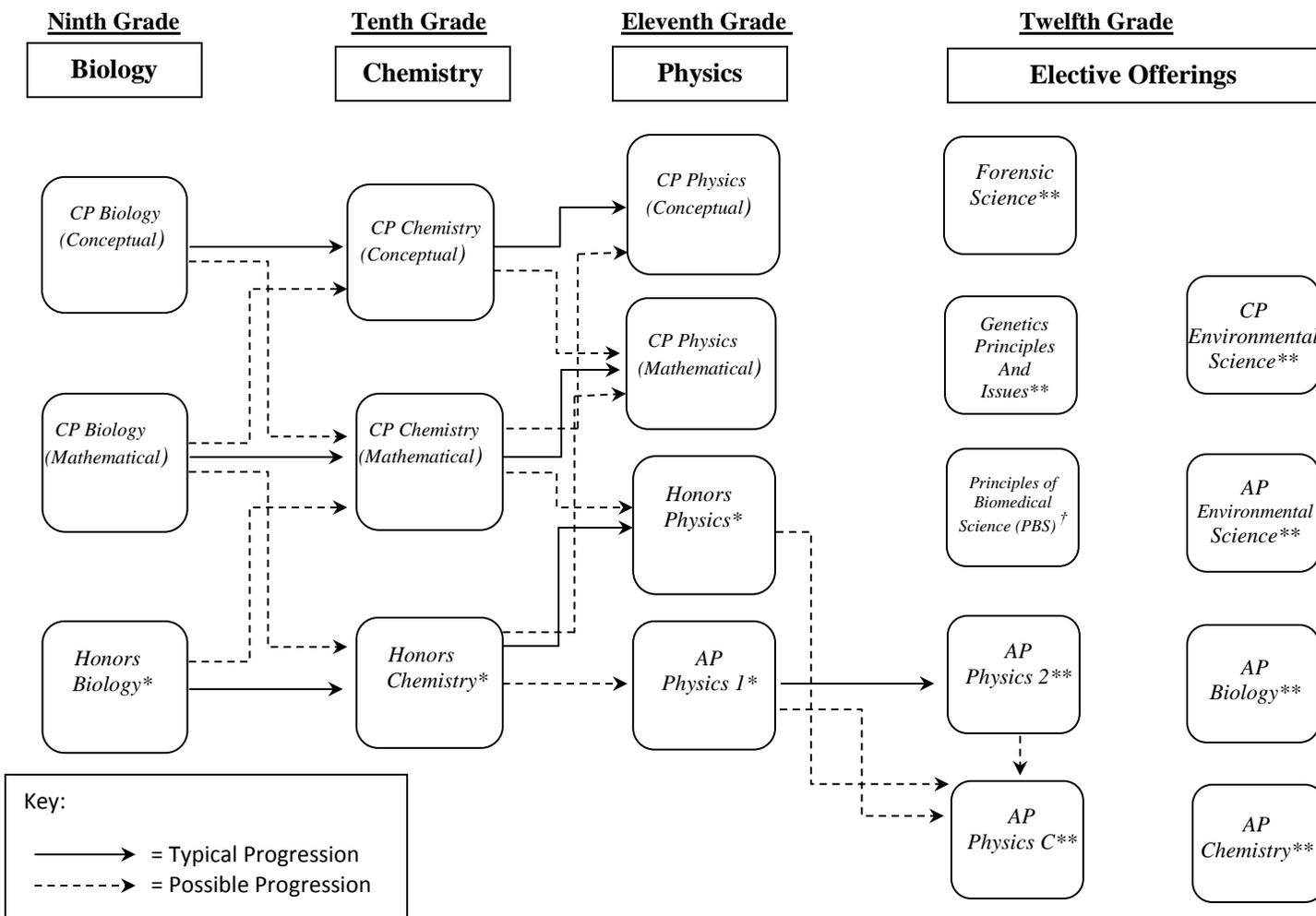
Ridge High School

Science Course Sequence

2016-2017



The high school science program is designed to build upon the foundation of knowledge that students acquired through their elementary and middle school science experiences. The program consists of a study of each of the major scientific fields: Biology, Chemistry, and Physics. In order to best meet the needs of each student, instruction is offered at several levels of complexity and rigor. Students will also have the opportunity to expand their studies by selecting elective or advanced placement (AP) science courses.



* Honors/AP Criteria:

- 8th grade students must have a final average of A- or above to qualify for 9th grade Honors.
- Students in a College Prep class need a final average of A- or better to enroll in an Honors or AP class.
- Students in an Honors or AP class need a final average of B- or better to maintain honors eligibility.

Science levels at Ridge High School:

- **College Preparatory (Conceptual):** a rigorous, conceptual-based first year course that is targeted for students who enjoy science and may require additional reinforcement to be successful. Emphasis will be on student awareness of scientific principles and the scientific process.
- **College Preparatory (Mathematical):** a more rigorous course targeted towards students who excel in science and math, and who enjoy a challenging learning environment. This level of course provides students with a more in-depth study and analysis of concepts.
- **Honors:** the most rigorous high school-level course designed for students who are able to learn and work independently at a faster pace and deeper level than in the CP (Mathematical) level. Increasing emphasis is placed on the application of scientific facts and concepts as well as on the mathematical analysis of data.
- **Advanced Placement (AP):** offers an intensive and in depth study of the subject and is intended to be equivalent to a first-year college course.

** Elective courses are available after a course in Physics has been completed or can be taken concurrently.

† Available as an elective for students in grades 10 through 12.