

**Canyons School District**  
**Recommended High School Science Course Pathways 2018-19**

| GRADES | STANDARD PATHWAY  | RECOMMENDED PATHWAY   | ADVANCED PATHWAY                                |
|--------|---|---|---|
| 9      | Foundation Science Course   | Biology, Chemistry, or Physics  | Biology, Chemistry, or Physics                  |
| 10     | Foundation Science Course   | Biology, Chemistry, or Physics  | Regular or AP<br>Biology, Chemistry, or Physics |
| 11     | Foundation Science Course<br>or<br>any Applied and Advanced<br>Foundation Course                                    | Biology, Chemistry, Physics<br>or<br>any *AP/IB Science Course  | Any *AP/IB Science Course                       |
| 12     | Foundation Science Course<br>or<br>any Applied and Advanced<br>Foundation Course<br>or<br>any *AP/IB Science Course | Biology, Chemistry, Physics<br>or<br>any Applied and Advanced<br>Foundation Course<br>or<br>any *AP/IB Science Course | Any *AP/IB Science Course                       |

**Students planning to apply to selective colleges should take the Recommended Pathway courses**

**Science Graduation Requirements**

Three credits are required for graduation. Students must complete courses from 2 of the 4 areas of science on the **Foundations Courses** list PLUS an additional course from the **Foundation Courses** list or **Applied and Advanced Courses** list

| Foundation Courses  | Applied and Advanced Foundation Courses   |  |
|---|---|--|
| <u><b>Biology</b></u><br>Biology<br>Human Biology<br>Biology: Agricultural Science<br>AP, IB, or CE(with Lab) Biology | Aerospace<br>Aeronautics<br>Agricultural Biotechnology<br>Agricultural Science I, II, III, or IV<br>Aquaculture   | Geology<br>Human Physiology<br>Marine Biology/Oceanography<br>Material Science<br>Medical Anatomy and<br>Physiology<br>Medical Forensics<br>Meteorology<br>Natural Resource Science I, II<br>Plant and Soil Science<br>Plant and Soil Science I or II<br>PLtW Digital Electronics<br>PLtW Principles of Engineering<br>Robotics 1, 2<br>Veterinary Assistant 1, 2<br>Wildlife Biology<br>Zoology |
| <u><b>Chemistry</b></u><br>Chemistry<br>AP, IB, or CE(with Lab)<br>Chemistry  | Anatomy and Physiology<br>Animal Science I or II<br>Applied Biology or Chemistry<br>Astronomy<br>Biotechnology<br>Botany<br>Electronics 1, 2, 3<br>Engineering Principles 1, 2<br>Engineering Capstone<br>Environmental Science<br>Equine Science<br>Genetics |  |
| <u><b>Physics</b></u><br>Physics<br>Physics with Technology<br>AP, IB, or CE(with Lab) Physics                        |   |  |
| <u><b>Earth Science</b></u><br>Earth Science<br>AP or IB Environmental Science  |   |  |
| <u><b>Computer Science</b></u><br>AP Computer Science<br>AP Computer Science Principles<br>Computer Programming II    |   |  |

**Honors Courses** are available and should be viewed as a pathway to an Advanced Placement course. These courses are more rigorous. An honors section might not be available at every high school. Discuss options that meet your interests with your guidance counselor.

**Advanced Placement (AP)** Science courses are strongly encouraged for all students. AP Science courses help develop key skills needed to succeed in college by improving science writing skills, sharpening problem-solving abilities, and developing better study habits.