

## COMMON COURSES OF STUDY IN SCIENCE

<b>7<sup>th</sup></b>	Earth & Space/Physical Science
<b>8<sup>th</sup></b>	Science 8
<b>9<sup>th</sup></b>	*Honors Biology and/or General Science The following as an elective: Forestry/Land Management, General Animal Science, Greenhouse/Plant Science, Wildlife 1
<b>10<sup>th</sup></b>	Honors Chemistry and/or Honors Biology II/Anatomy & Physiology or Honors Physics Physics *Biology I The following as an elective: Forestry/Land Management, General Animal Science, Greenhouse/Plant Science, Wildlife 1, Wildlife 2
<b>11<sup>th</sup></b>	AP Chemistry and/or Honors Physics Academic Chemistry Honors Biology II/Anatomy & Physiology AP Biology AP Physics or Physics General Science II Forestry/Land Management, General Animal Science, Greenhouse/Plant Science, Wildlife 1, Wildlife 2
<b>12<sup>th</sup></b>	Honors Organic Chemistry and/or AP Biology AP Physics or Honors Physics Honors Biology II/Anatomy & Physiology AP Chemistry Academic Chemistry Physics General Science II Forestry/Land Management, General Animal Science, Greenhouse/Plant Science, Wildlife 1, Wildlife 2

**All students must successfully complete 4 science credits in order to meet graduation requirements. In addition, those students graduating in the year 2023 and beyond are required to score proficient or advanced on the Biology Keystone Exam as a state graduation requirement. Those that don't score proficient or advanced must meet statewide graduation requirements through one of four other pathways as part of Act 158. The Biology Keystone exam is given at the end of the Biology I course(s) as indicated in the chart with an asterisk (\*).**

- To qualify for honors courses a student must:
- have a cumulative average of 93% in Earth & Space/Physical Science and Science 8.
- receive a recommendation from the Science 8 teacher.
- score advanced in any two areas of the PSSA and be proficient in other areas
- Honors courses are weighted by a factor of 1.04
- AP (Advanced Placement) courses are weighted by a factor of 1.10
- To enroll in Physics, Algebra II must be taken prior or concurrently.
- To enroll in Honors Organic Chemistry, you must have taken AP Chemistry
- Students may enroll in Wildlife 2 after completing Wildlife 1
- Science credits will be given for the following classes in 11<sup>th</sup> and 12<sup>th</sup> grade only:
  - Forestry/Land management
  - General Animal Science
  - Greenhouse/Plant Science
  - Wildlife 1
  - Wildlife 2