

Science Pathway Chart

Three Science credits are needed for graduation. Students should consult with their teacher for the best option.

Every student must take a Biology course in Grade 9. This graduation requirement is based on the [North Allegheny School District High School Graduation Requirements Board Policy #217](#) for compliance with State Board of Education Regulations and [Keystone Exams legislation](#).

The following are some typical science pathways. Regardless of their current pathway, students are able to move up/down levels based on their past performance and course requirements each year. 11th and 12th grade students are eligible to take more than one science course per year as elective credits.

<u>GRADE / COURSE</u>	<u>OPTIONS / ELECTIVES</u>
9 - Biology (IMPACT) 10 - Intro to Physics & Chemistry (IMPACT) 11 or 12 - Applied Science 1 or Applied Science 2	
9 - Biology 10 - Intro to Physics & Chemistry 11 or 12 - Environmental Science (or other NASH science elective) 11 or 12 - Astronomy (or other NASH science elective)	
9 - Academic Biology 10 - Intro to Physics & Chemistry 11 - Academic Chemistry 12 - Academic Physics OR 9 - Academic Biology 10 - Academic Intro to Physics & Chemistry 11 - Academic Chemistry or Honors Chemistry 12 - Academic Physics or Honors Physics OR 9 - Honors Biology 10 - Honors Chemistry 11 - Honors Physics and/or Science Elective(s) 12 - Science Elective(s)	<u>NASH Only Electives</u> Environmental Science Honors Environmental Science Astronomy Honors Astronomy Honors Organic Chemistry Honors Anatomy & Physiology Honors Meteorology Academic Anatomy & Physiology AP Biology AP Chemistry AP Environmental Science AP Physics 1 AP Physics 2 AP Physics 1&2 AP Physics C
9 - Academic Biology 10 - Academic Intro to Physics & Chemistry 11 - Honors Chemistry or Academic Chemistry 12 - Honors Physics or Academic Physics OR 9 - Honors Biology 10 - Honors Chemistry 11 - Honors Physics and/or Science Elective(s) 12 - Science Elective(s)	Honors Anatomy & Physiology Honors Environmental Science Honors Astronomy Honors Meteorology Honors Organic Chemistry Honors Physics AP Biology AP Chemistry AP Environmental Science AP Physics 1 AP Physics 2 AP Physics 1&2 AP Physics C