

Science Phase Sequence 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 either Grade 9 or Grade 10. 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.

PHASE	GRADE COURSE	OPTIONS/ELECTIVES
I	9.....Biology (IMPACT) (4210) 10.....Intro. to Physics & Chemistry (IMPACT) (4209) 11 or 12Applied Science 1 (4411) or Applied Science 2 (4414)	Intro. to Physics & Chemistry (4409) Biology (4410)
II	9.....Biology (4410) 10.....Intro. to Physics & Chemistry (4409) 11 or 12Environmental Science (4451) 11 or 12Earth Science and Astronomy (4461)	
III	9.....Academic Biology (4510) 10.....Intro. to Physics & Chemistry (4409) 11.....Academic Chemistry (4911) 12.....Academic Physics (4412) OR 9.....Academic Biology (4510) 10.....Academic Intro. to Physics & Chemistry (4509) 11.....Academic Chemistry (4911) or Honors Chemistry (4610) 12.....Academic Physics (4412) or Honors Physics (4512) OR 9.....Honors Biology (4609) 10.....Honors Chemistry (4610) 11.....Honors Physics (4512) and/or Science Elective 12.....Science Elective	NASH Only Electives: Environmental Science (4451) Honors Environmental Science (4115) Earth Science and Astronomy (4461) Honors Earth Science & Astronomy (4462) Honors Organic Chemistry (4811) Academic Anatomy & Physiology (4711) AP Biology (4011) AP Chemistry (4012) Honors Anatomy & Physiology (4721) Honors Meteorology (4111) AP Physics 1 (4062) AP Physics 2 (4072) AP Physics 1&2 (4082) AP Physics C (4092)
IV	9.....Academic Biology (4510) 10.....Academic Intro. to Physics & Chemistry (4509) 11.....Honors Chemistry (4610) or Academic Chemistry (4911) 12.....Honors Physics (4512) or Academic Physics (4412) OR 9.....Honors Biology (4609) 10.....Honors Chemistry (4610) 11.....Honors Physics (4512) and/or Science Elective 12.....AP Physics 1&2 (4082) or AP Physics C (4092) and/or AP Biology (4011) and/or AP Chemistry (4012) and/or Science Elective	Honors Anatomy & Physiology (4721) Honors Environmental Science (4115) Honors Earth Science & Astronomy (4462) Honors Meteorology (4111) Honors Organic Chemistry (4811) Honors Physics (4512) AP Biology (4011) AP Chemistry (4012) AP Physics 1 (4062) AP Physics 2 (4072) AP Physics 1&2 (4082) AP Physics C (4092)