

SCIENCE COURSE FLOWCHART

All students must successfully complete 4 science credits in order to meet graduation requirements. In addition, those students 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 (*).

Grade Level	Course Offerings
7th Grade	REQUIRED COURSE
	Earth & Space Science
8th Grade	REQUIRED COURSE
	Life Science 8
9th Grade	REQUIRED COURSES
	General Science I
	ELECTIVE COURSES
	Honors Biology*
	Animal Science
	Wildlife I
	Greenhouse & Plant Science
Forestry & Land Management	
10th Grade	REQUIRED COURSE
	Biology I*
	OPTIONAL COURSES
	Physics
	Animal Science
	Wildlife I
	Wildlife II
	Electrical & Small Engine
	Greenhouse & Plant Science
	Forestry & Land Management
	HONORS COURSES
	Chemistry
Physics	
Bio II / Anatomy & Physiology	

Starting in 9th grade, any student who passes the following classes will receive a Science credit
Wildlife I
Wildlife II
Animal Science
Electrical & Small Engine
Greenhouse and Plant Science
Forestry and Land Management

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 the third area

Grade Level	Course Offerings
11th Grade	RECOMMENDED COURSES
	Academic Chemistry
	Physics
	General Science II
	Animal Science
	Wildlife I
	Wildlife II
	Electrical & Small Engine
	Greenhouse & Plant Science
	Forestry & Land Management
	AP COURSES
	Chemistry
Biology	
HONORS COURSES	
Physics	
Bio II / Anatomy & Physiology	
12th Grade	RECOMMENDED COURSES
	Academic Chemistry
	Physics
	General Science II
	Animal Science
	Wildlife I
	Wildlife II
	Electrical & Small Engine
	Greenhouse & Plant Science
	Forestry & Land Management
	AP COURSES
	Biology
Physics	
Chemistry	
HONORS COURSES	
Organic Chemistry	
Physics	
Bio II / Anatomy & Physiology I	
Bio II / Anatomy & Physiology II	

Course Prerequisites
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
To enroll in Bio II / Anatomy & Physiology II, students must have completed Bio II / Anat-Phys. I
To enroll in AP Biology, you must have taken chemistry before or concurrently and pass the Biology Keystone

Course Weights
AP (Advanced Placement) courses are weighted by a factor of 1.15
Honor courses are weighted by a factor of 1.05