

Sample Course Sequences – Science

The sample course sequence can be used as a guide to assist students in planning their course of study during their school career. When choosing course selections, students should take into consideration their [Individualized Career and Academic Plan](#) and the Secondary and Post-Secondary Career Cluster Pathway.

MIDDLE SCHOOL

GRADE 6	GRADE 7	GRADE 8
General Science 6	Life Science 7	Physical Science 8
Honors General Science 6	Honors Life Science 7	Honors Physical Science 8

HIGH SCHOOL

SAMPLE	GRADE 9	GRADE 10	GRADE 11	GRADE 12
1	Biology I (Algebra I)	Biology II: Ecology (passed Biology I but not SOL) (Algebra I; Algebra, Functions and Data Analysis)	Earth Science I	Earth Science II: Oceanography Earth Science II: Astronomy Biology II: Human Anatomy and Physiology Chemistry I Physics I
2	Biology I (Algebra I)	Earth Science I (Geometry; Algebra, Functions and Data Analysis)	Chemistry I Physics I Earth Science II: Oceanography Earth Science II: Astronomy Biology II: Human Anatomy and Physiology Biology II: Ecology	Physics I Earth Science II: Oceanography Earth Science II: Astronomy Biology II: Human Anatomy and Physiology Biology II: Ecology AP Physics 1 AP Chemistry AP Biology AP Environmental Science
3	Biology I (Geometry)	Chemistry I (Algebra II)	Physics I Earth Science II: Oceanography Earth Science II: Astronomy	AP Environmental Science Earth Science II: Oceanography Earth Science II: Astronomy Biology II: Human Anatomy and Physiology

			Biology II: Human Anatomy and Physiology	
4	Honors Biology I STEM Biology (Geometry or above)	Honors Earth Science I (Geometry; Algebra, Functions and Data Analysis)	Honors Chemistry I AP Physics 1	AP Physics 1 AP Physics 2 AP Chemistry AP Biology AP Environmental Science
5	Honors Biology I STEM Biology (Geometry or above)	Honors Chemistry I AP Physics 1 (Algebra II, Pre-Calculus)	AP Physics 1 AP Chemistry AP Biology AP Environmental Science	AP Physics C: Electricity and Magnetism; Mechanics AP Physics 2 AP Chemistry AP Biology AP Environmental Science
6	Environmental Science (IA)	Biology I (IA)	Honors Chemistry I Earth Science I (IA) Chemistry I Physics I	Chemistry I Physics I Earth Science II: Oceanography Earth Science II: Astronomy Biology II: Human Anatomy and Physiology Biology II: Ecology AP Physics 1 AP Chemistry AP Biology AP Environmental Science

*Parenthesis indicate a prerequisite