

**Freshman Science Course Placement**

Most freshmen at Mt. Carmel take Biology 1-2. Freshmen enrolled in Integrated Math 2 or higher may opt to take the 3 trimester sequence of Fundamentals of Chemistry/Chemistry 1-2 instead.

Note for all grade levels: A grade of A or B in Integrated Math 2a-2b is strongly recommended before Chemistry.

9 th Grade Math	Take =	9 th grade Science	10 th grade Science options	11 th grade Science options	12 th grade Science options
Integrated Math 1a-1b or Integrated Math 1a-1b-2a	=	Biology	<ul style="list-style-type: none"> • Geoscience • Fundamentals of Chemistry/ Chemistry 1-2 	<ul style="list-style-type: none"> • Fundamentals of Chemistry/ Chemistry 1-2 • Physics • Human Biology • Biomedical Technology 1-2 • AP Environmental Science 	<ul style="list-style-type: none"> • Fundamentals of Chem/ Chem 1-2 • Physics • Human Biology • Biomedical Technology 1-2 • AP Biology • AP Environmental Science • AP Physics 1A-B*
Integrated 2a or higher with a grade of A or B	=	Fundamentals of Chemistry/ Chemistry 1-2	AP Biology	<ul style="list-style-type: none"> • AP Physics 1A-1B-CMech1* • Biomedical Technology 1-2 • AP Environmental Science 	<ul style="list-style-type: none"> • Human Biology • Biomedical Technology 1-2 • AP Biology • AP Chemistry • AP Physics C Mech 2-CE &M 1-2* • AP Environmental Science

***AP Physics Trimester Sequence of Courses**

The following 2-year sequence allows students to learn 3 years of AP Physics content and take all 3 AP examinations. Physics 1-2 is NOT a prerequisite to take the AP level courses.

Sequence	Fall - Trimester 1	Winter - Trimester 2	Spring - Trimester 3
AP Physics 1A-B (does not require Calculus)	AP Physics 1A 1216	AP Physics 1B 1217	AP Physics C - Mech (1) 1262
AP Physics CCC-Mechanics and Electricity & Magnetism (Calculus-based)	AP Physics C-Mech (2) 1263	AP Physics C E&M (1) 1264	AP Physics C E&M (2) 1265