Science Department

Middle School 6th and 7th and 8th Science 7th and 8th Advanced Studies Science Biology I **Advanced Studies** 9th grade Biology I REQUIRED Science of Manufacturing **Fundamentals of Physics** Chemistry I Advanced Studies Chemistry I and Chemistry College Prep course for the Intensive course for the Note: Does not count as a Note: Does not count as a student who wants to enroll in student who wants to enroll in 10th grade chemistry credit for university chemistry credit for university Chemistry II, Physics, AP Physics admittance. After successful Chemistry II, Physics, AP REQUIRED admittance. After successful completion (C) a student may or advanced electives requiring completion (C) a student may Physics, or IB Science enroll in Chemistry I as an enroll in Chemistry I as an Chemistry I Courses in 11th /12th grade. elective their junior/senior year. elective their junior/senior year.

ELECTIVES

PHYSICS ELECTIVES	ADVANCED BIOLOGY ELECTIVES	PLTW BIOMED COURSES
Physics*	Biology II*	Principles of the Biomedical Science (9-10) – PBS*
AP Physics I*	IB Biology 11*	Human Body Systems*
AP Physics II*	IB Biology 12*	Medical Interventions/Biomedical Innovation*(STA)
GENERAL SCIENCE ELECTIVES	IB Environmental Systems and Societies*	PLTW ENGINEERING COURSES
Human Anatomy & Physiology*	ADVANCED CHEMISTRY ELECTIVES	Principles of Engineering (10-12)*
Science of Nature	Chemistry II*	Digital Electronics/CIM/Aerospace* (STA)
Science of Manufacturing	IB Chemistry 11*	Engineering Design & Development*(STA)
Astronomy (semester)	IB Chemistry 12*	STA HEALTH SCIENCE CLASSES
Meteorology (semester)		Professional Nursing* (STA)
		Allied Health @ STA*
		Foundations of Nursing @ Herndon