

CHFM SCIENCE SEQUENCE

Middle school & High school science at CHFM is an excellent opportunity to study God's creation together. CHFM *suggests* 3 possible science tracks* depending on the needs and interests of your student. These tracks are great planning tools for CHFM families. CHFM strives to meet the ever-changing needs of homeschool families, and **occasionally our schedule may reflect additional class offerings beyond the track outlines** as we flex to meet the changing needs and demands of our members.

General Science (Apologia 3rd edition) is a middle school science class tailored to a 6th-8th grade student. General Science is not a prerequisite for high school sciences, but it is a wonderful preparatory course. *CHFM offers General Science every Even Fall year.* ***Math requirement: None****

Earth Science (BJU Press 4th edition) is an option for 7th-9th grade students who desire more science in their studies. Moving from the ground up, students will learn the history of the earth; the soil, rocks, and fossils; oceans, seas, lakes, and rivers; the atmosphere; and space. *CHFM offers Earth Science every Odd Fall year.* ***Math requirement: None****

Physical Science (Apologia 3rd edition) is another optional science geared to the 8th-10th grade student who may want or need more mathematical practice in science before Chemistry. Physical Science covers atomic structure, periodic table, chemical bonds, reactions and energy, motion, forces, energy, waves and sound, light, electricity and magnetism. *CHFM offers Physical Science every year.* ***Math requirement: Pre-Algebra (concurrent enrollment or previously completed)***

Biology (Apologia 3rd edition) is appropriate for 9th- 12th grade. Biology is a college-prep biology course that provides a detailed introduction to the methods and concepts of general biology. This class has no specific science prerequisites. Biology has a strong emphasis on vocabulary, dissection, and experiments. *CHFM offers Biology every year.* ***Math requirement: None****

Chemistry (Dr. Jay Wile Discovering Design with Chemistry 2015) provides 10th – 12th grade students a rigorous foundation in chemistry in order to prepare your student for college-level studies. Physical Science or similar math-based science course is recommended but not required. This Chemistry class contains many mathematical intensive lessons. *CHFM offers Chemistry every Even Fall year.* ***Math requirement: completion of Algebra 1 and concurrent enrollment in or completion of Algebra 2.***

Anatomy & Physiology (Apologia Exploring Creation with Advanced Biology) is for 10th – 12th grade students. This advanced biology course covers both the anatomy and physiology of each of the human body's organ systems for those students who have completed biology. Completion of Biology is required, and Chemistry is recommended, but not required. *CHFM offers Anatomy & Physiology every Odd Fall year.* ***Math requirement: None****

Physics (Apologia Exploring Creation with Physics 2nd edition) is designed for 10th – 12th grades. It is a college-prep physics course which provides a detailed introduction to the methods and concepts of general physics, heavily emphasizing vector analysis. Physical Science or similar math-based science course is highly recommended, but not required. *CHFM offers Physics every Even Fall year.* ***Math requirement: completion of Algebra 2 and concurrent enrollment in Pre-Calculus or Trigonometry.***

* When enrolled in a class with no math requirements, this is a good time to ensure your student is mathematically preparing for his/her next science class.

Class Offerings (Subject to change based on membership needs):

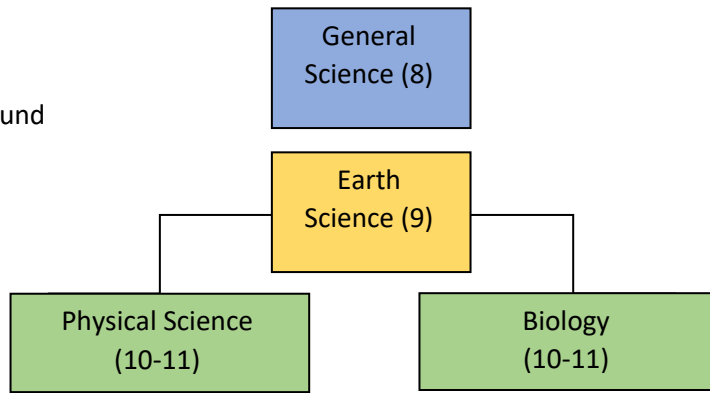
Classes Offered Every Year: Physical Science and Biology

Classes Offered in Alternating Years (Even numbered Fall Semesters): General Science, Chemistry and Physics

Classes Offered in Alternating Years (Odd numbered Fall Semesters): Earth Science and Anatomy & Physiology

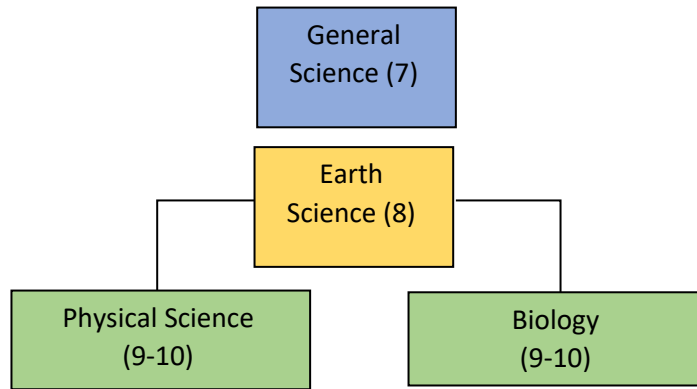
Track 1

2-year/Tech College Bound

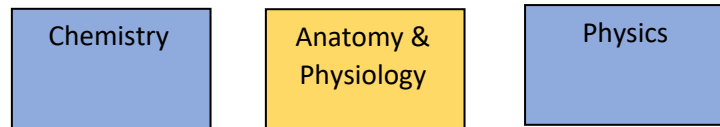


Track 2

4-year College Bound



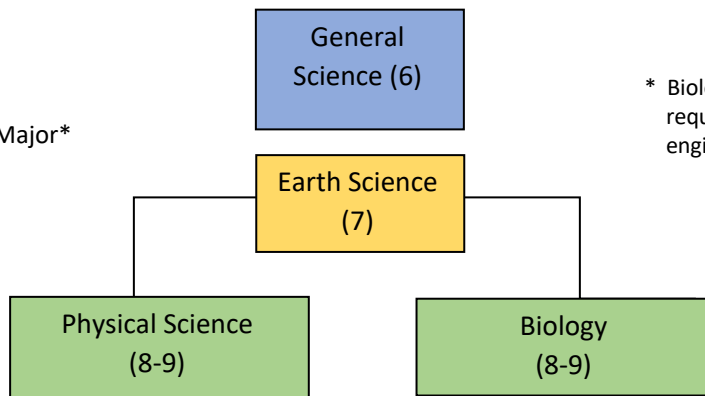
Choose 1 or 2
(11 and/or 12)



Track 3

4-year College Bound
w/ Science or Engineering Major*

* Biology, Chemistry & Physics are usually required for a student seeking a science or engineering focused college major



Choose 2 or 3
(10-12)

