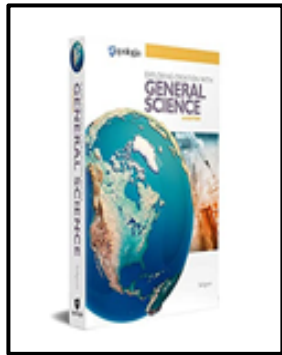


Pathways to Success with Science

COURSE SEQUENCE LEADING TO HIGH SCHOOL GRADUATION

7th Grade

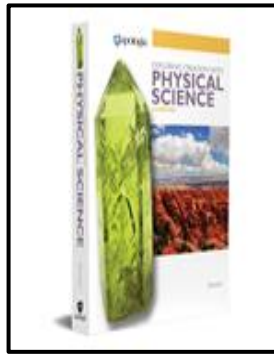


General Science

General Science provides an overview of the scientific method, experimental variables, earth science, chemistry, physics, life science, creation, simple machines, and more.

Prerequisite:
Middle School Math

8th Grade

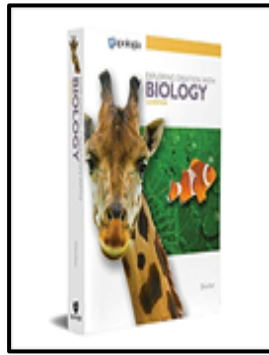


Physical Science

Physical Science provides an overview of scientific investigation, states of matter, periodic table, chemical reactions, motion, forces, sound, light, electricity, magnetism, earth science, and more.

Prerequisite:
Pre-Algebra

9th Grade

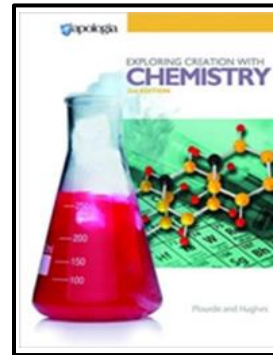


Biology

Biology 1 is a college-prep course that provides a strong background in biological classification, cellular biology, creation/evolution, dissections, botany, and more.

Prerequisites:
Physical Science,
Pre-Algebra

10th Grade



Chemistry

Chemistry 1 is a college-prep course that covers chemical bonds and reactions, stoichiometry, thermodynamics, kinetics, and redox reactions, and more.

Prerequisites:
Biology, Algebra 1

11th Grade

STEM Physics
Conceptual Physics
Biology 2-A&P
Chemistry 2-CLEP
Marine Biology
Nutrition
Wildlife Science
*DUAL CREDIT

Science Elective

ODA Science Elective Prerequisites

STEM PHYSICS: Algebra 2

CONCEPTUAL PHYSICS: Algebra 1

BIOLOGY 2- Anatomy & Physiology: Biology 1, Chemistry 1, Algebra 1

CHEMISTRY 2-CLEP: Chemistry 1, Algebra 2

MARINE BIOLOGY: Biology 1

NUTRITION, FITNESS, & PHYSIOLOGY: Biology

WILDLIFE SCIENCE: Middle School Math, English 1

***DUAL CREDIT:** Check with local colleges for science courses available

12th Grade

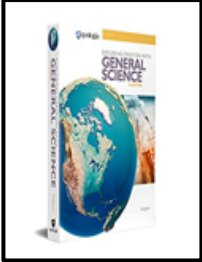
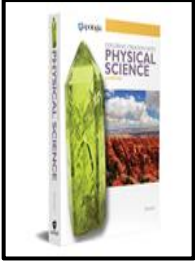
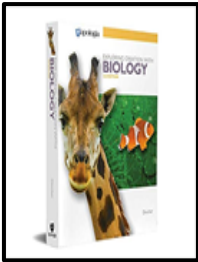
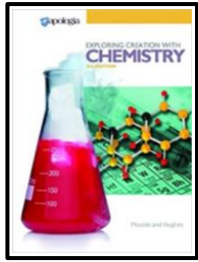
STEM Physics
Conceptual Physics
Biology 2-A&P
Chemistry 2-CLEP
Marine Biology
Nutrition
Wildlife Science
*DUAL CREDIT

Science Elective

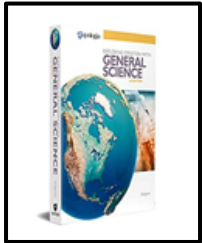
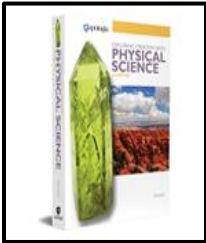
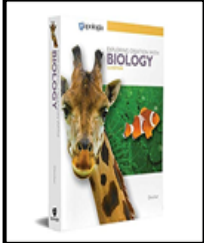
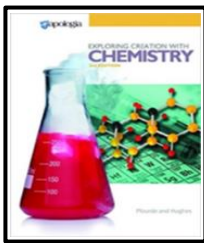
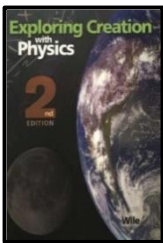
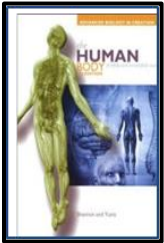
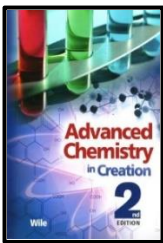
PREPARING FOR A UNIVERSITY SETTING

Most major Texas universities will expect **4 high school lab science credits** on a high school transcript.

1. General University Path

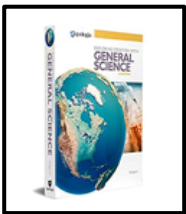
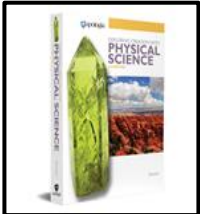
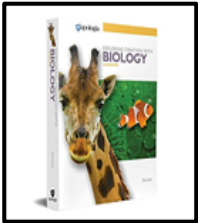
7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
				STEM Physics Conceptual Physics Biology 2: A&P Chemistry 2-CLEP Marine Biology Nutrition Wildlife Science DUAL CREDIT	STEM Physics Conceptual Physics Biology 2: A&P Chemistry 2-CLEP Marine Biology Nutrition Wildlife Science DUAL CREDIT
General Science	Physical Science	Biology	Chemistry	Science Elective	Science Elective

2. STEM Path (Engineering, Computer Science, Premedical, Preveterinary, Pre dentistry, Nursing)

7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	11th/12th Grade	
						
General Science	Physical Science	Biology	Chemistry	STEM Physics	Biology 2	Chemistry 2

PREPARING FOR A TRADE OR THE WORKFORCE

A minimum of **3 high school science credits** are required for high school graduation in the state of Texas.

7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
			Marine Biology Wildlife Science Chemistry 1 Biology 2: A&P Conceptual Physics Nutrition	Marine Biology Wildlife Science Chemistry 1 Biology 2: A&P Conceptual Physics Nutrition	General Elective
General Science	Physical Science	Biology	Science Elective	Science Elective	