

## STRIVE Co-Op Science Course Descriptions 2024-2025

<b>Elementary A</b>				Teacher	Susan Bowen
Grade Level	Level 1	Credit	N/A	Prerequisite	None
Curriculum Used				Provided by Instructor	
Extra Required Materials				None	
<p>This course is intended to be an extension of a home-based science curriculum and cultivate a love for science. Topics may include, but are not limited to: sound, cells, putting animals into groups, environment, mass/matter, health/hygiene, living/nonliving, day vs. night, and human muscular system.</p>					

<b>Elementary B</b>				Teacher	Cindy Gilbert
Grade Level	Level 2	Credit	N/A	Prerequisite	None
Curriculum Used				Provided by Instructor	
Extra Required Materials				None	
<p>This course is intended to be an extension of a home-based science curriculum and cultivate a love for science. Topics may include, but are not limited to:</p>					

<b>Middle School Science</b>				Teacher	Traci Cleveland
Grade Level	6-8	Credit	NA	Prerequisite	None
Curriculum Used				Abeka, <i>Observing God's World</i> , Fourth Edition; <i>Choosing Good Health</i> , Third Edition (Provided by Instructor)	
Extra Required Materials				None	
<p>This course will explore the complexities of God's creation, covering important science concepts across a range of interesting topics, including how creation refutes the idea of evolution. Students also explore plants, invertebrates, earth, the universe (galaxies, constellations, moon), space (light, astronomy, space stations, planets), and matter &amp; chemistry. There will be a study of health, focusing on first aid, bodily changes, and the endocrine, immune and nervous systems.</p>					

<b>Physical Science</b>				Teacher	Traci Cleveland
Grade Level	9	Credit	1.0	Prerequisite	Middle School Science
Curriculum Used				<i>Science of the Physical Creation</i> , A Beka Book, 2nd edition (Provided by Instructor)	
Extra Required Materials				None	
This class will build an understanding of concepts for physical sciences such as chemistry, geology, electronics and physics. Course includes labs.					

<b>Biology</b>				Teacher	Cindy Gilbert
Grade Level	10	Credit	1.0	Prerequisite	Physical Science
Curriculum Used				<i>Biology, God's Living Creation</i> A Beka Book Publishers, 4th Edition	
Extra Required Materials				None	
This is a course in the study of living things. Students explore how living things are made, how they function, and how they interact with the nonliving environment. The information in this course will help students to better understand how they are amazingly created by God. <b>LABS ARE INCLUDED WITH THIS COURSE.</b>					

<b>Anatomy</b>				Teacher	Cindy Gilbert
Grade Level	11/12	Credit	1.0	Prerequisite	Biology
Curriculum Used				<b><i>The Human Body: Fearfully and Wonderfully Made</i></b> , Apologia Press, 1 <sup>st</sup> Edition (Provided by Instructor)	
Extra Required Materials				None	
This course is a study of the anatomy (structure) and physiology (function) of the human body and the systems that comprise the human body. Students will better understand what it means to be “fearfully and wonderfully made” by God. Dissections in this course focus on comparative anatomy to other mammals. <b>LABS ARE INCLUDED WITH THIS COURSE.</b>					

<b>Chemistry</b>				Teacher	Cindy Gilbert
Grade Level	11/12	Credit	1.0	Prerequisite	Algebra 1
Curriculum Used				<b><i>Chemistry: Precision and Design</i></b> , 3 <sup>rd</sup> Edition, ABeka Book (Provided by Instructor)	
Extra Required Materials				Scientific Calculator	
<p>This course is a study of matter, the changes it undergoes, and how it affects our everyday life. It also explores the many branches of chemistry. The goal is to discover and understand the structure and function of God's creation.</p> <p><b>LABS ARE INCLUDED WITH THIS COURSE.</b></p>					