

7TH GRADE LIFE SCIENCE – 1 Year Course

I. INTRODUCTION

This course is designed as a junior high (7th grade) survey of all the major areas of life science. Students in Life Science conduct field and laboratory investigations use scientific methods during investigations and make informed decisions using critical-thinking and scientific problem solving.

II. EDUCATIONAL PHILOSOPHY

This course is designed to give a Christian perspective on Life Science. The students in Life Science study the science of living things, classifications of living things, basic cell structure, photosynthesis and respiration; mitosis, meiosis, inheritance, mutation, Creation and evolution; monerans, protista, fungi, plants, invertebrates, vertebrates, and their systems, components and relationships within and between species; humans in the environment; natural resources; the human body and its systems. In teaching this curriculum, students are given the perspective that God is the Creator and Ruler of the universe. The Christian perspective gives the student several advantages:

1. It gives them greater insight into the Creator by studying the unique design and brilliant order of His Creation.
2. It enables the student to study Creation without the hindrances of false theories such as evolution.
3. It gives the student a truthful guideline in which to base all of their comparisons and observations on, the Bible.

III. SCOPE AND SEQUENCE

Unit 1:	Foundations of Life Science	6 weeks
Unit 2:	Heredity and the Origin of Life	5 weeks
Unit 3:	Concepts in Microbiology and Plant Biology	5 weeks
Unit 4:	Concepts in the Animal Kingdom	7 weeks
Unit 5:	The Nature of the Environment	5 weeks
Unit 6:	Structure and Function of the Human Body	5 weeks

IV. TIME FRAME: 5 – 45 minute periods per week – 36 week duration

V. INSTRUCTIONAL GOALS

1. To teach the science of life from a Biblical perspective including the study of God's organic creation, heredity, organisms, the environment and the human body.
2. To teach classification of living things, basic cell structure, activities of living cells and organisms.
3. To teach mitosis, inheritance, mutations, Creation and evolution.
4. To teach the 5 basic kingdoms, along with invertebrates, vertebrates and their systems and structures and their importance to man.