

CCS COURSE MAP

SUBJECT: LIFE SCIENCE

GRADE LEVEL 7

COURSE LENGTH Year

REVIEWED 2018-2019

Student Goals:					
		I	To gain appreciation for God and the world He created.		
		II	To demonstrate an understanding of the students' environment and its natural laws.		
		III	To apply the laws of God and Man that relate to earth and how it works.		
Student Outcomes					
		I	The students will be able to critically compare the origin of man as told by the Word of God and as theorized by man.		
		II	The students will be able to explore man's collected knowledge of the living things God created.		
		III	The students will be able to study the human body and its relationship to the environment.		
		IV	The students will be able to study basic science skills used in scientific investigation.		
		V	The students will be able to examine the differences between bacteria, fungi, protest, plants, and animals in relation to life.		
		VI	The students will be able to examine the characteristics of the plant and animal kingdoms.		
		VII	The students will be able to apply basic science skills used in scientific investigation.		
		VIII	The students will be able to show their understanding of scientific knowledge through investigations, reports, and projects.		
UNIT/ WEEKS	STANDARD	OBJECTIVES	ACTIVITIES/ASSESSMENT	RESOURCES	BIBLICAL INTEGRATION
Unit 1: Life 4 weeks	7.4.1.2.1 7.4.1.2.2 7.4.1.2.3	Students will: ·know and explain the characteristics and needs of living things ·draw and label the parts of a cell ·describe the functions of the parts of the cell ·understand taxonomy	·Discussions ·Lab activities ·Worksheets ·Homework ·Quizzes ·Tests	· <i>Life Science</i> – Purposeful Design text ·Lab equipment ·Lab worksheets ·Quizzes ·Tests	·Microorganisms show the complexity and variety of God's creation ·This complexity sometimes can not be explained confirming the verse that God chooses the foolish things of the world to confound the wise

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Unit 2: Viruses, Bacteria, Archaea, Fungi, Protists 5 weeks	7.4.4.2.1 7.4.4.2.2 7.4.4.2.3	Students will: ·know the structure and function of viruses ·know the structure and functions of bacteria ·know the structure and functions of fungi ·differentiate between the different characteristics of protists	·Discussions ·Lab activities ·Worksheets ·Homework ·Quizzes ·Tests	<i>Life Science – Purposeful Design</i> text ·Lab equipment ·Lab worksheets ·Quizzes ·Tests	·All things were equipped by their Creator to have special survival skills that uniquely match the environments in which they live ·People are to use their God-given intelligence and mandate of stewardship to explore and care for all parts of the created Earth

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<p>Unit 3: Plants</p> <p>3 weeks</p>	<p>exceeds the state and national standards</p>	<p>Students will:</p> <ul style="list-style-type: none"> ·learn the types of plants ·explain the needs of plants ·differentiate between angiosperm and gymnosperm reproduction 	<ul style="list-style-type: none"> ·Discussions ·Lab activities ·Worksheets ·Homework ·Quizzes ·Tests 	<p><i>Life Science</i> – Purposeful Design text</p> <ul style="list-style-type: none"> ·Lab equipment ·Lab worksheets ·Quizzes ·Tests 	<ul style="list-style-type: none"> ·At the microscopic level, God’s creative design and intricate workmanship will become even more evident as time goes on
<p>Unit 4: Animals</p> <p>6 weeks</p>	<p>7.4.3.2.2</p>	<p>Students will:</p> <ul style="list-style-type: none"> ·know the characteristics of different classes of invertebrates ·know characteristics of arthropods and why they are important ·learn the characteristics of vertebrates and their classification 	<ul style="list-style-type: none"> ·Discussions ·Lab activities ·Worksheets ·Homework ·Quizzes ·Tests 	<p><i>Life Science</i> – Purposeful Design text</p> <ul style="list-style-type: none"> ·Lab equipment ·Lab worksheets ·Quizzes ·Tests 	<ul style="list-style-type: none"> ·God named man as master of all animals. How can we fulfill God’s intent and respect His creation

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<p>Unit 5: Human Body</p> <p>6 weeks</p>	<p>7.4.1.1.1 7.4.1.1.2 7.4.4.2.4</p>	<p>Students will:</p> <ul style="list-style-type: none"> ·learn the structure and function of each system of the body ·learn the process of reproduction and development ·know which foods are nutritional for the body ·know how wrong choices can hurt the body 	<ul style="list-style-type: none"> ·Discussions ·Lab activities ·Worksheets ·Homework ·Quizzes ·Tests 	<p>·<i>Life Science</i> – Purposeful Design text</p> <ul style="list-style-type: none"> ·Lab equipment ·Lab worksheets ·Quizzes ·Tests 	<ul style="list-style-type: none"> ·God designed each organ system in the human body to have a special function ·Just like the body of Christ where every member contributes something important, so do the systems of the human body
<p>Unit 6: Genetics and Heredity</p> <p>3 weeks</p>	<p>7.4.3.1.1 7.4.3.1.2 7.4.3.1.3</p>	<p>Students will:</p> <ul style="list-style-type: none"> ·learn the process of mitosis and meiosis ·understand the basics of genetics ·learn how genetics information is applied to everyday life 	<ul style="list-style-type: none"> ·Discussions ·Lab activities ·Worksheets ·Homework ·Quizzes ·Tests 	<p>·<i>Life Science</i> – Purposeful Design text</p> <ul style="list-style-type: none"> ·Lab equipment ·Lab worksheets ·Quizzes ·Tests 	<ul style="list-style-type: none"> ·God has allowed great variety in traits and features. No two individuals are exactly alike. We have each been uniquely and wonderfully made

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Unit 7: Ecology 6 weeks	7.4.2.1.1 7.4.2.1.2 7.4.2.1.3 7.4.2.2.1 7.4.2.2.2 7.4.2.2.3 7.4.3.2.3 7.4.3.2.4	Students will: ·explain the characteristics of an ecosystems ·understand and describe food chains and food webs ·learn the types and characteristics of biomes	·Discussions ·Lab activities ·Worksheets ·Homework ·Quizzes ·Tests	· <i>Life Science</i> – Purposeful Design text ·Lab equipment ·Lab worksheets ·Quizzes ·Tests	·Every living thing has a place suited to it. God made a place suitable for each organism He created ·God designed all organisms to interact with each other for the benefit of all organisms
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