Module	Lesson	Description	Scored	Objective Code
From Bacteria to Plants				
. 5 Credit	CREDIT RECOVERY ELECTIVE			
01:Living Things				
	Defining Life	This lesson discusses the characteristics shared by all living things.	Yes	MSSC-10.1.1
	Life Origins	In this lesson students learn that life comes from life, and that various needs must be met in order for organisms to maintain internal conditions and survive.	Yes	MSSC-10.2.1
	01: Posttest			
02:Classifying Organisms				
	Taxonomy	This lesson introduces ways in which organisms are classified, including the system of binomial nomenclature created by Carolus Linnaeus.	Yes	MSSC-11.1.1
	Levels of Organization	In this lesson students explore the relationships between classification and evolution, and learn how to classify organisms using a taxonomic key.	Yes	MSSC-11.2.1
	Domains and Kingdoms	In this lesson students learn the three domains and the kingdoms that make up Eukarya.	Yes	MSSC-11.3.1
	Early Earth	This lesson contrasts the atmosphere of early Earth with modern Earth and presents evidence of early life on Earth.	Yes	MSSC-11.4.1
	02: Posttest			
03:Viruses and Bacteria				
	Viral Structure	This lesson defines a virus and describes its major structural components.	Yes	MSSC-12.1.1
	Viral Reproduction	This lesson explains how viruses reproduce and how they impact human life positively and negatively.	Yes	MSSC-12.2.1
	Bacterial Cells	This lesson describes the structure, shapes, and sizes of bacterial cells.	Yes	MSSC-12.3.1
	Bacterial Cell Behaviors	In this lesson students learn about bacterial metabolism and reproduction.	Yes	MSSC-12.4.1
	Bacteria in Your World	This lesson describes the roles of bacteria in oxygen and food production, in environmental recycling and cleanup, and in health maintenance and medicine production.	Yes	MSSC-12.5.1
	Your Health	In this lesson students discover the ways in which infectious diseases spread and the ways in which these diseases can be treated or prevented.	Yes	MSSC-12.6.1
	03: Posttest			
04:Protists and Fungi				
	Animal-Like Protists	This lesson defines protists and describes the characteristics of the four major groups of animal-like protists.	Yes	MSSC-13.1.1
	Plant-like Protists	This lesson presents examples of plantlike protists and describes their characteristics.	Yes	MSSC-13.2.1
	Fungus-Like Protists	This lesson presents examples of funguslike protists and describes their characteristics.	Yes	MSSC-13.3.1

Module	Lesson	Description	Scored	Objective Code
	Algal Blooms	In this lesson students explore the causes and effects of freshwater and saltwater algal blooms.	Yes	MSSC-13.4.1
	Fungi	In this lesson students discover the characteristics of fungi and the many roles that fungi perform in nature.	Yes	MSSC-13.5.1
	04: Posttest			
05:Introduction to Plants				
	The Plant Kingdom	In this lesson students learn about the origin of plants and the characteristics that all plants share.	Yes	MSSC-14.1.1
	Living on Land	This lesson shows how plants are divided into vascular and nonvascular groups, and describes the challenges faced by plants that live on land.	Yes	MSSC-14.2.1
	Photosynthesis	In this lesson students learn the process of photosynthesis.	Yes	MSSC-14.3.1
	Nonvascular Plants	In this lesson students identify the three major groups of nonvascular plants.	Yes	MSSC-14.4.1
	Vascular Plants	In this lesson students learn about the characteristics of seedless vascular plants.	Yes	MSSC-14.5.1
	05: Posttest			
06:Seed Plants				
	Pollen and Seeds	This lesson identifies the shared characteristics of seed plants and shows how seeds become new plants.	Yes	MSSC-15.1.1
	Roots	In this lesson students learn about root systems and structures.	Yes	MSSC-15.2.1
	Stems	This lesson describes the structure of a stem.	Yes	MSSC-15.3.1
	Leaves	This lesson describes the function and importance of the various structures in a leaf.	Yes	MSSC-15.4.1
	06: Posttest			
07:Gymnosperms and Angiosperms				
	Gymnosperms	This lesson describes gymnosperms and gymnosperm reproduction, providing students with several examples.	Yes	MSSC-16.1.1
	Angiosperms	This lesson describes angiosperms, including the structures and function of flowers.	Yes	MSSC-16.2.1
	Types of Angiosperms	In this lesson students learn the differences between monocots and dicots.	Yes	MSSC-16.3.1
	Plant Response	This lesson explains how plants respond to seasonal change and other stimuli, and describes the differences between annuals, biennials, and perennials.	Yes	MSSC-16.4.1
	Feeding the World	This lesson discusses the technologies that help farmers produce more crops.	No	N/A
	07: Posttest			

Module	Lesson	Description	Scored	Objective Code
Cells and Heredity				
.5 Credit	CREDIT RECOVERY ELECTIVE			
01:Introduction to Cells				
	Overview of Cells	This lesson discusses the early discoveries made with microscopes that led to the development of cell theory.	Yes	MSSC-17.1.1
	Microscopes	In this lesson students learn how microscopes magnify images of objects.	Yes	MSSC-17.2.1
	Looking Inside Cells	In this lesson students learn about the major structures in plant, animal, and bacterial cells.	Yes	MSSC-17.3.1
	In the Cytoplasm	This lesson explains the functions of the major cell organelles.	Yes	MSSC-17.4.1
	Elements and Compounds	This lesson describes the differences between elements, inorganic compounds, and organic compounds.	Yes	MSSC-17.5.1
	01: Posttest			
02:Cellular Materials				
	Chemical Compounds in Cells	In this lesson students learn about four major groups of organic compounds: carbohydrates, lipids, proteins, and nucleic acids.	Yes	MSSC-18.1.1
	The Cell in Its Environment	This lesson explains how the diffusion of molecules through cell membranes helps keep cells chemically balanced.	Yes	MSSC-18.2.1
	Transport of Materials	This lesson describes how dissolved materials move into and out of cells.	Yes	MSSC-18.3.1
	02: Posttest			
03:Cell Processes and Energy				
	Energy from the Sun	In this lesson students discover how green plants convert solar energy into food through photosynthesis.	Yes	MSSC-19.1.1
	Respiration	This lesson explains different ways that cells obtain energy from food through cellular respiration.	Yes	MSSC-19.2.1
	03: Posttest			
04:Cell Division				
	Introduction to the Cell Cycle	In this lesson students learn how a cell copies its DNA in preparation for cell division.	Yes	MSSC-20.1.1
	The Stages of Cell Division	This lesson explains the processes of mitosis and cytokinesis.	Yes	MSSC-20.2.1
	Errors in the Cell Cycle	In this lesson students learn that mutations in the DNA can lead to cancer.	Yes	MSSC-20.3.1
	04: Posttest			
05:Alleles				
	Heredity	This lesson describes the important contributions of Gregor Mendel that laid the foundation for genetics.	Yes	MSSC-21.1.1

Module	Lesson	Description	Scored	Objective Code
	Inheritance	In this lesson dominant and recessive alleles are explained in relation to Mendel's findings.	Yes	MSSC-21.2.1
	Probability	This lesson explains the importance of probability and its relationship to genetics.	Yes	MSSC-21.3.1
	Physical and Genetic Makeup	This lesson demonstrates the difference between an organism's appearance and its genetic makeup.	Yes	MSSC-21.4.1
	05: Posttest			
06:The Cell and Inheritance				
	Chromosomes	In this lesson students learn how genes are related to chromosomes and how chromosomes affect heredity.	Yes	MSSC-22.1.1
	Meiosis	This lesson explains the steps of meiosis in forming sex cells.	Yes	MSSC-22.2.1
	The Genetic Code	This lesson discusses the relationship between genes, DNA, and protein synthesis.	Yes	MSSC-22.3.1
	Mutations in Genes	In this lesson students learn how mutations can cause cells to produce an incorrect protein.	Yes	MSSC-22.4.1
	06: Posttest			
07:Modern Genetics				
	Human Inheritance	This lesson discusses the idea that different traits are determined by a variety of inheritance patterns.	Yes	MSSC-23.1.1
	The Sex Chromosomes	In this lesson students learn about the X and Y chromosomes and the genes linked to these chromosomes.	Yes	MSSC-23.2.1
	Genetic Disorders	This lesson describes various genetic disorders that occur through gene or chromosomal inheritance.	Yes	MSSC-23.3.1
	Managing Genetic Disorders	In this lesson students learn how genetic disorders are diagnosed and treated.	Yes	MSSC-23.4.1
	Advances in Genetics	This lesson describes three methods for developing organisms with desirable traits.	Yes	MSSC-23.5.1
	07: Posttest			
08:Changes Over Time				
	Darwin's Theory	This lesson outlines the important observations made by Charles Darwin during his travels.	Yes	MSSC-24.1.1
	Proposing Evolution	In this lesson students learn that natural selection supports the theory of evolution.	Yes	MSSC-24.2.1
	Evidence of Evolution	This lesson discusses the evidence that scientists have examined that supports the theory of evolution.	Yes	MSSC-24.3.1
	Evolutionary Relationships	This lesson describes how scientists have used different kinds of evidence to infer how organisms are related to one another.	Yes	MSSC-24.4.1
	The Fossil Record	In this lesson students learn how fossils form and how the age of a fossil is determined.	Yes	MSSC-24.5.1
	Geologic Time	This lesson describes the calendar of Earth's history, or the Geologic Time Scale.	Yes	MSSC-24.6.1

Module	Lesson	Description	Scored	Objective Code
	Unanswered Questions	This lesson discusses unanswered questions about evolution regarding the causes of mass extinction and the rate at which evolution occurs.	Yes	MSSC-24.7.1

08: Posttest

Module	Lesson	Description	Scored	Objective Code
Human Biology and Health				
.5 Credit	CREDIT RECOVERY ELECTIVE			
01:Bones, Muscles, and Skin				
	Levels of Bodily Organization	In this lesson students learn how cells in the human body are organized into tissues, organs, and organ systems.	Yes	MSSC-25.1.1
	Homeostasis	In this lesson students discover how homeostasis keeps an organism's internal environment balanced and acts to stabilize the internal environment in response to stress.	Yes	MSSC-25.2.1
	The Skeletal System	This lesson describes the multiple functions of the human skeletal system, including shape and support, movement, protection, blood cell production, and mineral storage.	Yes	MSSC-25.3.1
	The Muscular System	This lesson introduces the structure and function of the three types of muscle tissue: skeletal, smooth, and cardiac.	Yes	MSSC-25.4.1
	The Skin	In this lesson students identify the two main layers of skin tissue and explore their structure.	Yes	MSSC-25.5.1
	01: Posttest			
02:Food, Digestion, and Circulation				
	Why You Need Food	This lesson introduces the digestive system by discussing the body's need for food and energy.	Yes	MSSC-26.1.1
	The Digestive Process Begins	This lesson describes the function of the mouth at the start of the digestive process.	Yes	MSSC-26.2.1
	Continued Digestion	This lesson describes what happens to food as it enters the stomach for digestion.	Yes	MSSC-26.3.1
	Final Digestion and Absorption	This lesson explains the roles of the intestines, liver, gall bladder, and pancreas in digestion.	Yes	MSSC-26.4.1
	The Body's Transport System	In this lesson students are introduced to the circulatory system, including the structure and function of the heart.	Yes	MSSC-26.5.1
	The Pattern of Blood Flow	This lesson shows how blood circulates from the heart to the lungs and to the rest of the body.	Yes	MSSC-26.6.1
	Blood Vessels	In this lesson students learn about arteries, veins, and capillaries in more detail.	Yes	MSSC-26.7.1
	Blood and Lymph	In this lesson students explore various components of blood, including red and white blood cells, plasma, platelets, and marker molecules; they also learn about the lymphatic system.	Yes	MSSC-26.8.1
	02: Posttest			
03:Respiration, Excretion, and Disease				
	The Respiratory System	In this lesson students examine the structure and function of the lungs.	Yes	MSSC-27.1.1
	Gas Exchange and Breathing	In this lesson students take a closer look at the process of breathing.	Yes	MSSC-27.2.1

Module	Lesson	Description	Scored	Objective Code
	The Excretory System	This lesson describes how the kidneys filter wastes and excess water from the blood.	Yes	MSSC-27.3.1
	Infectious Disease	In this lesson students learn how infectious diseases are spread by a variety of pathogenic organisms.	Yes	MSSC-27.4.1
	The Body's Defense	This lesson describes how the body fights disease through protective barriers, inflammatory response, and the specialized cells of the immune system.	Yes	MSSC-27.5.1
	03: Posttest			
04:The Nervous System				
	Nervous System Functions	This lesson introduces the human nervous system by describing the structure of a neuron and presenting the three types of neurons: sensory, motor, and interneuron.	Yes	MSSC-28.1.1
	How a Nerve Impulse Travels	In this lesson students discover how information is transmitted through neurons in the body's nervous system.	Yes	MSSC-28.2.1
	Central Nervous System	This lesson focuses on the functions of the brain and spinal cord.	Yes	MSSC-28.3.1
	Peripheral Nervous System	In this lesson students learn how the peripheral nervous system controls both voluntary and involuntary actions.	Yes	MSSC-28.4.1
	Vision	This lesson describes the structure and function of the eyes.	Yes	MSSC-28.5.1
	Hearing and Balance	This lesson describes the structure and function of the ears.	Yes	MSSC-28.6.1
	04: Posttest			
05:The Endocrine and Reproductive Systems				
	The Endocrine System	This lesson introduces hormones as chemical messengers that regulate many of the body's day-to-day activities and long-term changes.	Yes	MSSC-29.1.1
	The Endocrine Glands	This lesson highlights the functions of the hypothalamus and pituitary gland and demonstrates one way that bodily energy levels are regulated through negative feedback.	Yes	MSSC-29.2.1
	The Male Reproductive System	This lesson introduces sexual reproduction, focusing on structures and functions of the human male reproductive system.	Yes	MSSC-29.3.1
	The Female Reproductive System	This lesson covers structures and functions of the human female reproductive system.	Yes	MSSC-29.4.1
	Human Life	In this lesson, students investigate the steps in the development of the human fetus.	Yes	MSSC-29.5.1
	The Human Life Cycle	This lesson presents the major steps in human development, including infancy, childhood, adolescence, and adulthood.	Yes	MSSC-29.6.1
	05: Posttest			

Module	Lesson	Description	Scored	Objective Code