

Anatomy and Physiology Pacing Guide 2022-2023

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Quarter 1

Date	Anatomy	CLRI Connections
Week 1 9.05.22 – 9.09.22* *9.05.22 - Labor Day	Establish Classroom Routines Overview of Class Structure	
Week 2 9.12.22 – 9.16.22	Unit 1 – Introduction to Anatomy and Physiology (Chp 1) <ul style="list-style-type: none"> ● Levels of Organization (cell to organism) ● Introduction to the 11 Body Systems ● Homeostasis/ Negative Feedback/ Positive Feedback 	
Week 3 9.19.22 – 9.23.22	Unit 1 – Introduction to Anatomy and Physiology (Chp 1) <ul style="list-style-type: none"> ● Anatomical Position ● Anatomical Language: Body Planes, Cavities, Positions, Directions, Regions 	
Week 4 9.26.22- 9.30.22	Unit 2 - Tissues (Chapter 4) <ul style="list-style-type: none"> ● 4 Types of Tissues (Name, Describe, Identify) 	
Week 5 10.03.22 – 10.07.22	Unit 2 - Tissues (Chapter 4) <ul style="list-style-type: none"> ● Classify Epithelia ● Compare/ Contrast (Three Muscle Types; Tendons & Ligaments) ● Aging - Regeneration/ Fibrosis 	
Week 6 10.10.22 – 10.14.22* *10.10.22 - Indigenous Peoples’ and Italian- Heritage Day	Unit 3 - The Integumentary System (Chapter 5) <ul style="list-style-type: none"> ● Parts & Functions of Integumentary System ● Layers of Skin/ Integument ● Layers of Epidermis & Dermis 	
Week 7 10.17.22 – 10.21.22	Unit 3 - The Integumentary System (Chapter 5) <ul style="list-style-type: none"> ● Hair & Nails ● Glands ● Pigmentation 	<ul style="list-style-type: none"> ● HHMI Interactive Exploration of How We Get Our Skin Color
Week 8 10.24.22 – 10.28.22	Unit 3 - The Integumentary System (Chapter 5) <ul style="list-style-type: none"> ● Burns & Types of Wounds ● Thermoregulation ● Aging 	
Week 9 10.31.22 – 11.04.22	Unit 4 - The Skeletal System (Chapter 6) <ul style="list-style-type: none"> ● Parts & Functions of Skeletal System (axial/ appendicular) ● Shapes of Bones ● Location of Major Human Bones 	
Week 10 11.07.22 – 11.11.22* *11.08.22 - Election Day *11.11.22 – Veterans Day	Unit 4 - The Skeletal System (Chapter 6) <ul style="list-style-type: none"> ● Bone Tissue (spongy, compact) ● Anatomy of Long Bone ● Fractures 	

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Week 11 11.14.22– 11.18.22	Unit 4 - The Skeletal System (Chapter 6) <ul style="list-style-type: none"> ● Types of Bone Cells ● Types of Ossification ● Synovial Joints ● Aging 	
Week 12 11.21.22 – 11.25.22* *11.24.22-11.25.22 Thanksgiving Recess	Unit 5 - The Muscular System (Chapter 7) <ul style="list-style-type: none"> ● Parts & Functions of the Muscular System ● Identify Major Muscles 	
Week 13 11.28.22 – 12.02.22	Unit 5 - The Muscular System (Chapter 7) <ul style="list-style-type: none"> ● Skeletal Muscle Fibers (label parts in a diagram) ● Contraction Cycle ● Sliding Filament Theory 	
Week 14 12.05.22 – 12.09.22	Unit 5 - The Muscular System (Chapter 7) <ul style="list-style-type: none"> ● Exercise ● Muscle Fatigue ● Rigor Mortis ● Aging 	
Week 15 12.12.22 – 12.16.22	Unit 6 - The Nervous System (Chapter 8) <ul style="list-style-type: none"> ● Parts & Functions of the Nervous System ● Parts of Neuron (label diagram) ● Action Potentials 	
Week 16 12.19.22 – 12.23.22* *12.26.22-1.02.23 Winter Recess	Unit 6 - The Nervous System (Chapter 8) <ul style="list-style-type: none"> ● Types of Neurons ● CNS/ PNS ● Synapse/ Neurotransmitters 	● Biography: Dr. Patricia E. Bath
Week 17 1.03.23 – 1.06.23* *1.02.23 Winter Recess	Unit 6 - The Nervous System (Chapter 8) <ul style="list-style-type: none"> ● Gray Matter/ White Matter ● Parts of Brain ● Aging 	
Week 18 1.09.23 – 1.13.23	Unit 7 - The Endocrine System (Chapter 10) <ul style="list-style-type: none"> ● Parts & Functions of the Endocrine System ● Glands & Hormones Produced ● Stress 	
Week 19 1.16.23 – 1.20.23* *1.16.2023 MLK Jr. Day	Unit 7 - The Endocrine System (Chapter 10) <ul style="list-style-type: none"> ● Hormone Structure ● Target Cells & Receptors ● Aging 	
Week 20 1.23.23 – 1.27.23* *1.24.2023 - 1.27.23 – Regents Week	Regents Week (Students on Monday only - collect any last minute work)	

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Week 21 1.30.23 – 2.03.23	Unit 8 - Cardiovascular System - Blood (Chapter 11) <ul style="list-style-type: none"> ● Components & Functions of Blood ● Plasma, RBC, WBC, Platelets ● Hemoglobin 	● Article: Charles Drew
Week 22 2.06.23 – 2.10.23	Unit 8 - Cardiovascular System - Blood (Chapter 11) <ul style="list-style-type: none"> ● Hemopoiesis ● Blood Types ● Hemostasis & Coagulation 	
Week 23 2.13.23 – 2.17.23	Unit 9 - Cardiovascular System - Heart (Chapter 12) <ul style="list-style-type: none"> ● Anatomy of the Heart (4 chambered) ● Layers of Heart / Valves of Heart ● Flow of Blood through the Heart 	● Article: Vivien Thomas ● Article: Daniel Hale Williams
*Mid-Winter Recess 2.20.23 – 2.24.23		
Week 24 2.27.23 – 3.03.23	Unit 9 - Cardiovascular System - Heart (Chapter 12) <ul style="list-style-type: none"> ● Cardiac Cycle & Cardiac Output ● Electrical Events of the Heart ● EKGs 	
Week 25 3.06.23 – 3.10.23	Unit 10 - Cardiovascular System - Blood Vessels/ Circulation (Chapter 13) <ul style="list-style-type: none"> ● Types of Blood Vessels ● Types of Circulation 	
Week 26 3.13.23 – 3.17.23	Unit 10 - Cardiovascular System - Blood Vessels/ Circulation (Chapter 13) <ul style="list-style-type: none"> ● Blood Pressure ● Vasodilation/ Vasoconstriction ● Aging 	
Week 27 3.20.23 – 3.24.23	Unit 11 - Lymphoid System & Immunity (Chapter 14) <ul style="list-style-type: none"> ● Parts and Functions of Lymphoid System ● Types of Immunity ● Specific vs Nonspecific Defenses 	● Article: Who is at risk for cholera in Africa? ● Article: How many lives do vaccines save?
Week 28 3.27.23 – 3.31.23	Unit 11 - Lymphoid System & Immunity (Chapter 14) <ul style="list-style-type: none"> ● Types and Functions of Lymphocytes ● Immune Disorders - Allergies, Autoimmune, HIV ● Aging 	
*Spring Recess 4.03.23-4.07.23		
Week 29 4.10.23 – 4.14.23	Unit 12 - The Respiratory System (Chapter 15) <ul style="list-style-type: none"> ● Parts and Functions of the Respiratory System ● Respiration Rate & Factors that Affect it 	
Week 30 4.17.23 – 4.21.23	Unit 12 - The Respiratory System (Chapter 15) <ul style="list-style-type: none"> ● Flow of Air ● Aging 	

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Quarter 4

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Week 31 4.24.23 – 4.28.23* *4.26.23 – Early Release Day *4.27.23 – Superintendent Conference Day	Unit 13 - The Digestive System (Chapter 16) <ul style="list-style-type: none"> ● Parts and Functions of the Digestive System ● Function of Major Organs ● Types of Digestion 	<ul style="list-style-type: none"> ● Article: What makes you choose the food you eat?
Week 32 5.01.23 – 5.05.23	Unit 13 - The Digestive System (Chapter 16) <ul style="list-style-type: none"> ● Function of Accessory Organs ● Path of Food ● Aging 	
Week 33 5.08.23 - 5.12.23* *5.10.23 – Early Release Day *5.11.23 – Superintendent Conference Day	Unit 14 - The Urinary System (Chapter 18) <ul style="list-style-type: none"> ● Parts and Functions of the Urinary System ● Kidney Physiology 	
Week 34 5.15.23 – 5.19.23	Unit 14 - The Urinary System (Chapter 18) <ul style="list-style-type: none"> ● Normal vs Abnormal Urine ● Role of Hormones in Urine Production ● Aging 	
Week 35 5.22.23 – 5.26.23	Unit 15 - The Reproductive System (Chapter 19) <ul style="list-style-type: none"> ● Male (assigned at birth) Reproductive System ● Female (assigned at birth) Reproductive System ● Oogenesis & Spermatogenesis 	<ul style="list-style-type: none"> ● Article: What if women didn't have to pay for giving birth? ● Article: Ernest Everett Just
Week 36 5.29.23– 6.02.23* *5.29.2023 – Memorial Day	Unit 15 - The Reproductive System (Chapter 19) <ul style="list-style-type: none"> ● Hormones & Menstrual Cycle ● Birth Control ● Puberty/ Aging 	<ul style="list-style-type: none"> ● Video: Ugly History: The US Syphilis Experiment ● Article: The Puerto Rico Pill Trials
Week 37 6.05.23– 6.09.23	Unit 16 - Review <ul style="list-style-type: none"> ● Virtual Autopsy ● Diagnosing and Treating Diseases/ Disorders ● Aging / Systems Working Together 	
Week 38 6.12.23 – 6.16.23	Regents Week (Students on Monday and Tuesday only - collect any last minute work)	
Week 39 6.19.23 – 6.23.23* *6.19.23 – Juneteenth Day/SCD *6.23.23 – Rating	Regents Week	
Week 40 6.26.23-6.30.23	No School	