

11th Anatomy Instructional Guide

Grade Level Eleventh

Subject Anatomy School System Pickens County

School Year 2011-2012

Time Period (Pacing – when)	State Assessment Correlations	Standards/ Components (Pacing – what)	Resources/ Activities (Pacing – how) Curricular Alignment	Date of Common Formative Assessment (Pacing – how well)	Mapping Comments (What works what needs adjustment)
1 st 9 wks	Standard 1 Select appropriate lab Equip. to conduct an experiment				
1 st 9-wks		11.1.a. Use appropriate anatomical terminology 11.1.a. Examples: proximal, superficial, medial, supine, superior, inferior, anterior, posterior	Pearson-Benjamin Cummings, Pages 11-14 Enrichment Plus-Alabama High School Review Guide, Pages 341-343 Use/develop practice sheets Provide more practice Need more resource materials Conduct pre-assessment, provide scaffolded instruction, activate prior knowledge, use graphic organizers		

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1 st 9-wks		11.2.a. Identify anatomical body planes, body cavities, and abdominopelvic regions of the human body. 11.2.a.1 Identify anatomical body planes 11.2.a.2. Identify body cavities 11.2.a.3. Identify abdominopelvic regions of the human body .	Essentials of Human Anatomy & Physiology Elaine N. Marieb, Pages 16-19 Conduct pre-assessment, provide scaffolded instruction, activate prior Knowledge, use graphic organizers		
	Standard 4 EC Describe similarities and differences of cell organelles using diagrams and tables				

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	Standard 2 EC Describe cell processes necessary for achieving homeostasis.		Essentials of Human Anatomy & Physiology (Elaine N. Marieb pp 72-79		
	Standard 6 Describe the roles of mitotic and meiotic division		Essentials of Human Anatomy & Physiology (Elaine N. Marieb pp 79-83		
	Standard 8 Identify the structure and function of DNA, RNA, and protein		Essentials of Human Anatomy & Physiology (Elaine N. Marieb pp 80-85		
	Standard 5 Identify cells, tissues, organs, organ systems, organisms.		Essentials of Human Anatomy & Physiology (Elaine N. Marieb pp 2-7		
		11.3.a. Classify major types of cells, including squamous, cuboidal, columnar, simple, and stratified.	Essentials of Human Anatomy & Physiology Elaine N. Marieb, Pages 86-90, Internet, Elaine N. Marieb, 90-97, Internet Use/develop practice sheets- Internet Provide more practice -Internet Need more resource materials/Internet Conduct pre-assessment, provide scaffolded instruction, activate prior knowledge, use graphic organizers		

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1 st 9-wks		Anatomy Standard 4.) Classify tissues as connective, muscular, nervous, or epithelial. Specific-knowledge Statements Clustered with Bullets 11.4.a. Classify tissues as connective, muscular, nervous, or epithelial 11.4.a.1. Classify tissues as connective 11.4.a.2. Classify tissues as muscular 11.4.a.3 Classify tissues as nervous 11.4.a.4 Classify tissues as epithelial	Essentials of Human Anatomy & Physiology Elaine N. Marieb, Pages 110-114 Essentials of Human Anatomy & Physiology Elaine N. Marieb, Pages 121-124 Use/develop practice sheets Glencoe Science Reading Essentials, Pages 243-247 Conduct pre-assessment, provide scaffolded instruction, activate prior knowledge, use graphic organizers		

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1 st 9-wks		Anatomy Standard 5.) Identify anatomical structures and functions of the integumentary system. <ul style="list-style-type: none"> • Identifying accessory organs • Recognizing diseases and disorders of the integumentary system Examples: decubitus ulcer, melanoma, psoriasis6.) Identify bones that compose the skeletal system.	Essentials of Human Anatomy & Physiology Elaine N. Marieb , Pages110-114 Essentials of Human Anatomy & Physiology Elaine N. Marieb, Pages 121-124 Glencoe Science L-Green, Reading Essentials Pages 24333-247 Compass Learning Provide more practice, Glencoe Science L-Green, Reading Essentials Pages 243-247 Conduct pre-assessment, provide scaffolded instruction, activate prior knowledge, use graphic organizers		

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1 st 9-wks		<p>Specific-knowledge Statements Clustered with Bullets</p> <p>11.6.a. Identify bones that compose the skeletal system</p> <p>11.6.B.1. Identifying functions of the skeletal system</p> <p>11.6.B.2. Identifying subdivisions of the skeleton as axial and appendicular skeletons</p> <p>11.6.B.3. Classifying types of joints according to their movement.</p> <p>11.6.B.4. Identifying various types of skeletal system disorders</p>	<p>Essentials of Human Anatomy & Physiology Elaine N. Marieb Pages 130-134</p> <p>Internet</p> <p>Glencoe Level Green Reading Essentials 252-257</p> <p>Compass Learning.Com</p> <p>Jerald D. Duncan, Alabama High School Grad. Exam, Pages 344-345</p> <p>Use/ develop practice sheets from</p> <p>Glencoe Level Green Reading Essentials 252-257</p> <p>Compass Learning.Com</p> <p>Jerald D. Duncan, Alabama High School Grad. Exam, Pages 344-345</p> <p>Conduct pre-assessment, provide scaffolded instruction, activate prior knowledge, use graphic organizers</p>		

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1 st 9-wks		<p>11.7.1. Identify major muscles, including origins, insertions, and actions.</p> <p>11.7.B.1. Describing common types of body movements, including flexion, extension, abduction, adduction</p> <p>11.7.B.2. Classifying muscles based on functions in the body, including prime movers, antagonists, including synergists, fixators</p> <p>11.7. B.3 Comparing skeletal, smooth, and cardiac muscles based on their microscopic anatomy</p> <p>11.7.B.4 Identifying diseases and disorders of the muscular system</p> <p>11.7.B.4 Examples: muscular dystrophy, multiple sclerosis, strain</p>	<p>Essentials of Human Anatomy & Physiology Elaine N. Marieb, Pages 200-213</p> <p>Glencoe L-Green, Reading Essentials, Pages 248-251</p> <p>Elaine N. Marieb, Pages 192-196</p> <p>Compass Learning.Com</p> <p>Jerald D. Duncan, Alabama High School Grad. Exam, Pages 344-345</p> <p>Elaine N. Marieb, 181-182</p> <p>Elaine N. Marieb, 182-184</p> <p>Glencoe L-Green, Reading Essentials, Pages 248-251</p> <p>Use /develop practice sheets</p> <p>Elaine N. Marieb, 182-184</p> <p>Glencoe L-Green, Reading Essentials, Pages 248-251</p> <p>Compass Learning.Com</p> <p>Jerald D. Duncan, Alabama High School Grad. Exam, Pages 344-345</p> <p>Conduct pre-assessment, provide scaffolded instruction, activate prior knowledge, use graphic organizers</p>		

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2 nd 9wks		11.8.a. Identify structures of the nervous system 11.8.B.1. Explaining the difference in the function of the peripheral nervous system and the central nervous system. 11.8.B.2.a.Labeling parts of sensory organs, including the eye, 11.8.B.2.b.Labeling parts of sensory organs, including the ear 11.8.B.2.c. Labeling parts of sensory organs, including the tongue 11.8. B.2.c.Labeling parts of sensory organs, including the skin receptors 11.8.B.2. Examples: Parkinson’s disease prolapsed, varicose veins, arteriosclerosis	Elaine N.Marieb (ENM), Pages 223-224,Pages 235-239,249-252,Jerald d. Duncan , Pages 257Glencoe Level G- Reading Essentials, pages 258-261,262,263,264-266Compass Learning.Com ENM,272-276 ENM,284-286 ENM,291-293 ENM,110-113 Use/develop practice sheets Glencoe Level G- Reading Essentials, pages 258-261,262,263,264-266 Compass Learning.com Jerald D. Duncan Page 358 Conduct pre-assessment, provide scaffolded instruction, activate prior knowledge, use graphic organizers		

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2 nd 9wks		11.9.a. Identify structures and functions of the cardiovascular system 11.9.B.1 .Trace the flow of blood through the body 11.9.B.2.Identifying components of blood 11.9.B.3. Describing blood cell formation 11.9.B.4 Distinguishing among human blood groups 11.9.B.5 Describing common cardiovascular diseases and disorders 11.9.B.5. Examples: myocardial infarction, mitral valve	Essentials of Human Anatomy & Physiology Elain N. Marieb,(ENM) Pages,348-354 Jerald D. Duncan, Pages 347-348 Glencoe L-G, Reading Essentials ENM, Pages 328-330 Elain N. Marieb, Pages 334-337 ENM,338-341,Glencoe, Page 205-206 Jerald D. Duncan, Pages 347-349 Glencoe, Page 203-212 Conduct pre-assessment, provide scaffolded instruction, activate prior knowledge, use graphic organizers		

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2 nd 9wks		Identify structures and functions of the digestive system 11.10.B.1, Tracing the pathway of digestion from the mouth to the anus using diagrams 11.10.B.2. Identifying disorders affecting the digestive system 11.10.B.2. Examples: ulcers, Crohn’s disease, diverticulitis	Essentials of Human Anatomy & Physiology Elaine N.Marieb, Pages 454, 470-478 Glencoe L-Green Reading Essentials, Page 223-226 Jerald Duncan, AHSGE, P.352-355 Elaine N.Marieb, P. 492-494 Use Glencoe L-Green Reading Essentials, Page 223-226 Jerald Duncan, AHSGE, P.352-355 Conduct pre-assessment, provide scaffolded instruction, activate prior knowledge, use graphic organizers		

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2 nd 9wks		11.11.a Identify structure and functions of the respiratory system. 11.11.B.1 Tracing the pathway of the oxygen and carbon dioxide exchange 11.11.B.2. Recognizing common disorders of the respiratory system 11.11.B Examples: asthma, bronchitis, cystic fibrosis	Essentials of Human Anatomy & Physiology Elaine N. Marieb, Pages 426-434, 434-436, 445-449 Compass Learning.Com Use Glencoe Reading Essentials, Pages 233-237 Jerald D. Duncan Alabama High School Graduation Exam Pages 350-351 Conduct pre-assessment, provide scaffolded instruction, activate prior knowledge, use graphic organizers		

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2 nd 9wks		11.12.a. Identify structures and functions of the reproductive systems 11.12.B.1. Differentiating between male and female reproductive systems 11.12.B.2. Recognizing stages of pregnancy and fetal development 11.12.B.3. Identifying disorders of the reproductive system 11.12.B.3. Examples: endometriosis, sexually transmitted diseases, prostate cancer	Essentials of Human Anatomy & Physiology Elaine N. Marieb, Pages 528—533, 535-539, 528—533, 535-539 Jerald D.Duncan Pages 359-360 Essentials of Human Anatomy & Physiology Elaine N. Marieb, 545-548, 548-557 Compass Learning.Com Glencoe L-Green, Pages 270-274, 275-280 Conduct pre-assessment, provide scaffolded instruction, activate prior knowledge, use graphic organizers		

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2 nd 9wks		11.13.a. Identify structures and functions of the urinary system 11.13.B.1.Tracing the filtration of blood from the kidneys to the urethra 11.13.B.2. Recognizing diseases and disorders of the urinary system 11.13.B.2 Examples: kidney stones, urinary tract infections	Essentials of Human Anatomy & Physiology Elaine N Marieb, Pages 502-507 Essentials of Human Anatomy & Physiology Elaine N Marieb, Pages 507-510 Jeral D. Duncan, AHSGE, Page 360 Essentials of Human Anatomy & Physiology Elaine N Marieb, pp.509-510 Glencoe L-G, Pages 241-242 Use/develop practice sheets Glencoe L-G, Pages 241-242 Jeral D. Duncan, AHSGE, Page 360 Conduct pre-assessment, provide scaffolded instruction, activate prior knowledge, use graphic organizers		

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2 nd 9wks		11.14.a. Identify the endocrine glands and their functions. 11.14.B.1. Describing effects of hormones produced by the endocrine glands 11.14.B.2. Identifying common disorders of the endocrine system 11.14.B.2. Examples: diabetes, goiter, hyperthyroidism	Essentials of Human Anatomy & Physiology Elaine N. Marieb, Pages 303-320 Glencoe, Pages 267-269 Compass Learning.Com Use/develop practice sheets Compass Learning.Com Glencoe, Pages 267-269 Conduct pre-assessment, provide scaffolded instruction, activate prior knowledge, use graphic organizers		

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2 nd 9wks		11.15.a. Identify physiological effects and components of the immune system 11.15.B.1. Contrasting active and passive immunity 11.15.B.2. Evaluating the importance of vaccines 11.15.B.3. Recognizing disorders and diseases of the immune system 11.15.B.3. Examples: acquired immunodeficiency syndrome(AIDS), acute lymphocytic leukemia	Essentials of Human Anatomy & Physiology Elaine N. Marieb, Pages 390-395 Glencoe Level Green,211-216 Compass Learning.Com Essentials of Human Anatomy & Physiology Elaine N. Marieb, 406-407 Essentials of Human Anatomy & Physiology Elaine N. Marieb, 406-407 Essentials of Human Anatomy & Physiology Elaine N. Marieb, 417-417 Essentials of Human Anatomy & Physiology Elaine N. Marieb, 418-419 Use /develop practice sheets Glencoe Level Green,211-216 Compass Learning.Com Conduct pre-assessment, provide scaffolded instruction, activate prior knowledge, use graphic organizers		