

## Buford High School CURRICULUM CALENDAR

**COURSE: Human Anatomy & Physiology**

**SEMESTER: Fall Semester 2012**

**TEACHER(S): Angela Edwards**

WEEK	DAY	CONCEPT	OBJECTIVES	INSTRUCTIONAL STRATEGIES	STANDARDS (CCGPS, GPS, AP)
Week 1	Friday, 8/3	<b>Analyzing anatomical structures in relationship to their physiological functions.</b> <ul style="list-style-type: none"> <li>Cellular metabolism and transport to homeostasis and cellular reproduction</li> </ul>	<ul style="list-style-type: none"> <li>Biochemistry</li> <li>Metabolic Processes</li> <li>Enzymes</li> </ul>	<ul style="list-style-type: none"> <li>Go over Syllabus and Study Tips – handouts</li> <li>Intro with Top 10 amazing facts about the human body video clip: <a href="http://www.youtube.com/watch?v=qFrRebVvj-w">http://www.youtube.com/watch?v=qFrRebVvj-w</a></li> <li>Hwk: Review biochemistry concepts with <a href="#">Biochemistry</a> powerpoint using accompanying notesheet.</li> </ul>	SAP1d
	Monday, 8/6  (Short period)	<ul style="list-style-type: none"> <li>Cellular metabolism and transport to homeostasis and cellular reproduction</li> </ul>	<ul style="list-style-type: none"> <li>Biochemistry</li> <li>Metabolic Processes</li> <li>Enzymes</li> </ul>	<ul style="list-style-type: none"> <li>Hand out textbooks</li> <li><a href="#">Biochemistry Organizer</a> – handout</li> <li>Read pp. 51, 64, &amp; 66 green boxes</li> <li><a href="#">Biochemistry Crossword Puzzle</a></li> <li>Play Biochemistry Bowl Game: <a href="http://msjensen.cehd.umn.edu/webanatomy/">http://msjensen.cehd.umn.edu/webanatomy/</a></li> <li>Hwk: Finish puzzle and review notes &amp; vocabulary</li> </ul>	SAP1d
	Tuesday, 8/7  (Short period)	<ul style="list-style-type: none"> <li>Cellular metabolism and transport to homeostasis and cellular reproduction</li> </ul>	<ul style="list-style-type: none"> <li>Biochemistry</li> <li>Metabolic Processes</li> <li>Enzymes</li> </ul>	<ul style="list-style-type: none"> <li>Review Biochemistry Concepts – use Hwk &amp; crossword</li> <li>Hwk: Review cell biology with <a href="#">Cell Biology</a> powerpoint using accompanying notesheet.</li> </ul>	SAP1d
	Wednesday, 8/8	<ul style="list-style-type: none"> <li>Cellular metabolism and transport to homeostasis and cellular reproduction</li> </ul>	<ul style="list-style-type: none"> <li>Biochemistry</li> <li>Metabolic Processes</li> <li>Enzymes</li> </ul>	<ul style="list-style-type: none"> <li>Enzyme Activity Lab</li> <li>Hwk: Read pp. 75, 81, 82, 86, &amp; 88 green boxes.</li> </ul>	SAP 1d
	Thursday, 8/9	<ul style="list-style-type: none"> <li>Cellular metabolism and transport to homeostasis and cellular reproduction</li> </ul>	<ul style="list-style-type: none"> <li>Biochemistry</li> <li>Metabolic Processes</li> <li>Enzymes</li> </ul>	<ul style="list-style-type: none"> <li>Enzyme Activity Lab</li> <li>Hwk: <a href="#">Cells Graphic Organizer</a></li> </ul>	SAP 1d
	Friday, 8/10	<ul style="list-style-type: none"> <li>Cellular metabolism and transport to homeostasis and cellular reproduction</li> </ul>	<ul style="list-style-type: none"> <li>Cell Components</li> <li>Cellular Respiration</li> <li>Mitosis</li> <li>Protein Synthesis</li> </ul>	<ul style="list-style-type: none"> <li>Intro with cell organelle video clip: <a href="http://www.youtube.com/watch?v=4DWaAIVW3k&amp;NR=1&amp;feature=endscreen">http://www.youtube.com/watch?v=4DWaAIVW3k&amp;NR=1&amp;feature=endscreen</a></li> <li>Cell size lab</li> <li>Hwk: Read pp. 91 &amp; 99 green boxes, and article on organ transplants <a href="http://celltoday.wordpress.com/2012/03/">http://celltoday.wordpress.com/2012/03/</a></li> </ul>	SAP 1d

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Week 2	Monday, 8/13	<ul style="list-style-type: none"> <li>Cellular metabolism and transport to homeostasis and cellular reproduction</li> </ul>	<ul style="list-style-type: none"> <li>Transport into and out of the cell</li> </ul>	<ul style="list-style-type: none"> <li>Intro with fluid mosaic model video clip: <a href="http://www.youtube.com/watch?v=ULR79TiUj80">http://www.youtube.com/watch?v=ULR79TiUj80</a></li> <li>Cell membrane review wks and writing assignment</li> <li>Hwk: read pp. 110, 114,116,&amp; 121 green boxes</li> <li></li> </ul>	SAP 1d
	Tuesday, 8/14	<ul style="list-style-type: none"> <li>Cellular metabolism and transport to homeostasis and cellular reproduction</li> </ul>	<ul style="list-style-type: none"> <li>Cell Cycle – Stem Cells</li> </ul>	<ul style="list-style-type: none"> <li>Read &amp; discuss article on Stem Cells <a href="http://www.sciencedaily.com/releases/2011/07/110718171403.htm">http://www.sciencedaily.com/releases/2011/07/110718171403.htm</a></li> <li><a href="#">Creating stem cell line</a> – EdHead</li> <li>Review: Flow Chart Wars – on bulletin board paper and working in groups students will compete to create a comprehensive flow chart of all topics covered in this unit.</li> </ul>	SAP 1d
	Wednesday, 8/15	<p><b>Analyzing anatomical structures in relationship to their physiological functions.</b></p> <ul style="list-style-type: none"> <li>Cellular metabolism and transport to homeostasis and cellular reproduction</li> </ul>	<ul style="list-style-type: none"> <li>All from Biochemistry and Cells unit</li> </ul>	<p><b>TEST: Biochemistry and Cells</b></p> <ul style="list-style-type: none"> <li>Hwk: Review Chapter 1: Introduction to Anatomy &amp; Physiology powerpoint using accompanying note sheet</li> </ul>	SAP 1d
	Thursday, 8/16	<p><b>Analyzing anatomical structures in relationship to their physiological functions.</b></p> <ul style="list-style-type: none"> <li>Interdependence of the various body systems</li> </ul>	<ul style="list-style-type: none"> <li>Define anatomy and physiology</li> <li>History of A &amp; P</li> <li>Levels of organization</li> <li>Body Systems</li> </ul>	<ul style="list-style-type: none"> <li>Vesalius –video clip <a href="http://www.youtube.com/watch?v=qOhh-8mgTFk">http://www.youtube.com/watch?v=qOhh-8mgTFk</a></li> <li>Read <i>Stiff</i> Chapter 2: Crimes of Anatomy</li> <li>Complete reading guide in book club groups</li> <li>Hwk: <a href="#">Body Systems</a> graphic organizer</li> </ul>	SAP 1b
	Friday, 8/17	<ul style="list-style-type: none"> <li>The role and mechanisms of homeostasis and the consequences of the failure to maintain homeostasis</li> </ul>	<ul style="list-style-type: none"> <li>Characteristics of Life</li> <li>Maintenance of Life (homeostasis)</li> </ul>	<ul style="list-style-type: none"> <li>Review Positive &amp; Negative feedback systems pp 12-13 use <a href="#">Homeostasis powerpoint</a></li> <li><a href="#">Homeostasis</a> case study</li> <li>Hwk: physician specialties assignment &amp; review major body cavities</li> </ul>	SAP 1c

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Week 3	Monday, 8/20	<ul style="list-style-type: none"> <li>Orientation of body parts and regions</li> </ul>	<ul style="list-style-type: none"> <li>Organization of the human body</li> <li>Anatomical terminology</li> </ul>	<ul style="list-style-type: none"> <li>Major Body Cavities quiz</li> <li><a href="#">Body Cavities</a> Handout</li> <li>Review body terminology</li> <li><a href="#">Body terminology</a> practice worksheet</li> </ul>	SAP 1a
	Tuesday, 8/21	<ul style="list-style-type: none"> <li>Orientation of body parts and regions</li> </ul>	<ul style="list-style-type: none"> <li>Organization of the human body</li> <li>Anatomical terminology</li> </ul>	<ul style="list-style-type: none"> <li>Veggie County Autopsy – pickle autopsy lab</li> <li>Lab 2 Report</li> </ul>	SAP 1a
	Wednesday, 8/22	<p><b>Analyzing anatomical structures in relationship to their physiological functions.</b></p> <ul style="list-style-type: none"> <li>Orientation of body parts and regions</li> <li>Interdependence of the various body systems</li> <li>The role and mechanisms of homeostasis and the consequences of the failure to maintain homeostasis</li> </ul>	<ul style="list-style-type: none"> <li>All from the Introduction to the Body unit</li> </ul>	<ul style="list-style-type: none"> <li>Review games</li> <li>Chapter 1 Mastery Test</li> </ul>	SAP 1a,b, & c
	Thursday, 8/23			<p><b>Test: Introduction to the Body</b></p> <p>Hwk: Review powerpoint on <a href="#">microscope usage &amp; care</a> and complete <a href="#">questions</a></p>	SAP 1a,b, & c
	Friday, 8/24	<p><b>Analyzing anatomical structures in relationship to their physiological functions.</b></p> <ul style="list-style-type: none"> <li>How structure and function are related in terms of cell and tissue types</li> </ul>	<ul style="list-style-type: none"> <li>Epithelial Tissue</li> </ul>	<ul style="list-style-type: none"> <li>Microscope quiz</li> <li><a href="#">Tissue Demo</a></li> <li><a href="#">Epithelia Tissue Microviewer</a> Activity &amp; Cheek Cell lab</li> <li>Hwk: Review powerpoint on Epithelia tissue with notesheet</li> </ul>	SAP 1e

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Week 4 Performance Essay	Monday, 8/27	<ul style="list-style-type: none"> <li>How structure and function are related in terms of cell and tissue types</li> </ul>	<ul style="list-style-type: none"> <li>Connective Tissue</li> </ul>	<ul style="list-style-type: none"> <li>Review Epithelia tissue &amp; Cancer</li> <li>Connective Tissue powerpoint notes &amp; note sheet</li> <li>Hwk: Review powerpoint on Muscle &amp; Nerve tissue with notesheet</li> </ul>	SAP 1e
	Tuesday, 8/28	<ul style="list-style-type: none"> <li>How structure and function are related in terms of cell and tissue types</li> </ul>	<ul style="list-style-type: none"> <li>Muscle Tissue</li> <li>Nerve Tissue</li> </ul>	<ul style="list-style-type: none"> <li>Review Muscle &amp; Nerve Tissue</li> <li>Lab 8,9, &amp; 10 Reports</li> <li>Hwk: Read p. 154</li> </ul>	SAP 1e
	Wednesday, 8/29	LANGUAGE ARTS + FINE ARTS		<ul style="list-style-type: none"> <li>Histology Lab</li> </ul>	SAP 1e
	Thursday, 8/30	<ul style="list-style-type: none"> <li>How structure and function are related in terms of cell and tissue types</li> <li></li> </ul>	<ul style="list-style-type: none"> <li>Identifying slides of tissues based on characteristics</li> </ul>	<ul style="list-style-type: none"> <li>Histology Lab</li> </ul>	SAP 1e
	Friday, 8/31	<b>Professional Learning (Early Release)</b>			

WEEK	DAY	CONCEPT	OBJECTIVES	INSTRUCTIONAL STRATEGIES	STANDARDS (CCGPS, GPS, AP)	
Week 5 Benchmark Week #1	Monday, 9/3	<b>LABOR DAY HOLIDAY</b>				
	Tuesday, 9/4	LANGUAGE ARTS + FINE ARTS		Tissue review puzzles and Mastery Test	SAP 1e	
	Wednesday, 9/5	MATH + FOREIGN LANGUAGE		Benchmark #1 review	SAP 1	
	Thursday, 9/6	SCIENCE + HEALTH/PE		Benchmark #1 - ending with tissue unit	SAP 1	
	Friday, 9/7	SOCIAL STUDIES + CTAE		Book Club - Read <i>Stiff</i> Ch. 6	SAP 1	

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Week 6	Monday, 9/10	<b>Analyze the interdependence of the integumentary, skeletal and muscular systems as these relate to protections, support and movement of the human body</b> <ul style="list-style-type: none"> <li>Structure of the integumentary system to its functional role in protecting the body and maintaining homeostasis</li> </ul>	<ul style="list-style-type: none"> <li>Structure of skin tissue</li> </ul>	<ul style="list-style-type: none"> <li>Forensic Fingerprinting: The Body Farm video <a href="http://www.jeffersonbass.com/video_body_farm_and_beyond.html">http://www.jeffersonbass.com/video_body_farm_and_beyond.html</a></li> <li>Fingerprint Lab- using balloons</li> <li>Hwk: Review powerpoint on functions of skin using note sheet</li> </ul>	SAP2a
	Tuesday, 9/11	<ul style="list-style-type: none"> <li>Structure of the integumentary system to its functional role in protecting the body and maintaining homeostasis</li> </ul>	<ul style="list-style-type: none"> <li>Structure of skin tissue</li> </ul>	<ul style="list-style-type: none"> <li>Review skin functions</li> <li><a href="#">Touch receptor lab</a></li> <li>Hwk: Review powerpoint on layers of epidermis using note sheet</li> </ul>	SAP2a
	Wednesday, 9/12	<ul style="list-style-type: none"> <li>Structure of the integumentary system to its functional role in protecting the body and maintaining homeostasis</li> </ul>	<ul style="list-style-type: none"> <li>Structure of skin tissue</li> <li>Skin color</li> </ul>	<ul style="list-style-type: none"> <li><a href="#">Epidermal patch</a> article</li> <li>Review epidermis layers</li> <li>Finish touch receptor lab</li> <li>Hwk: Plate 104 Skin color sheet</li> </ul>	SAP2a
	Thursday, 9/13	<ul style="list-style-type: none"> <li>Structure of the integumentary system to its functional role in protecting the body and maintaining homeostasis</li> </ul>	<ul style="list-style-type: none"> <li>Structure of tissue</li> <li>Accessory Structures</li> <li>Regulation of body temperature</li> </ul>	<ul style="list-style-type: none"> <li>Quiz - epidermis</li> <li>Epidermolysis Bullosa video clip <a href="http://www.youtube.com/watch?v=M7qirjXWhzc&amp;feature=related">http://www.youtube.com/watch?v=M7qirjXWhzc&amp;feature=related</a> or <a href="http://vimeo.com/9143114">http://vimeo.com/9143114</a></li> <li>Powerpoint notes on dermis and accessory organs</li> <li>Hwk: Read GB and CA on pages 170-176</li> </ul>	SAP2a
	Friday, 9/14	<ul style="list-style-type: none"> <li>Structure of the integumentary system to its functional role in protecting the body and maintaining homeostasis</li> </ul>	<ul style="list-style-type: none"> <li>Injury, Disease, &amp; Disorders</li> <li>Life-Span Changes</li> </ul>	<ul style="list-style-type: none"> <li><a href="#">Dermatologist Case Studies</a> – need computer lab</li> <li>Hwk: Read GB and CA on pages 178-188</li> </ul>	SAP2a

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Week 7 Performance Essay	Monday, 9/17	<p><b>Analyzing the interdependence of the integumentary, skeletal, and muscular systems as these relate to protection, support and movement</b></p> <ul style="list-style-type: none"> <li>Structure of the integumentary system to its functional role in protecting the body and maintaining homeostasis</li> </ul>	<ul style="list-style-type: none"> <li>Injury, Disease, &amp; Disorders</li> <li>Life-Span Changes</li> </ul>	<ul style="list-style-type: none"> <li>Quiz - dermis</li> <li><a href="#">Dermatologist Case Studies</a> - need computer lab</li> <li><a href="#">Tattoo article</a></li> <li>Hwk: Integumentary puzzles</li> </ul>	SAP2a	
	Tuesday, 9/18	<ul style="list-style-type: none"> <li>Structure of the integumentary system to its functional role in protecting the body and maintaining homeostasis</li> </ul>	<ul style="list-style-type: none"> <li>Injury, Disease, &amp; Disorders</li> <li>Life-Span Changes</li> </ul>	<ul style="list-style-type: none"> <li>Skin Disorders &amp; burns powerpoint notes</li> <li>Ch 6 Mastery Test</li> </ul>	SAP2a	
	Wednesday, 9/19	SOCIAL STUDIES + CTAE			Book Club - <i>Stiff</i> Chapter 1	
	Thursday, 9/20	<ul style="list-style-type: none"> <li>Structure of the integumentary system to its functional role in protecting the body and maintaining homeostasis</li> </ul>	All from Integumentary System unit	<p><b>TEST: Integumentary System</b></p> <p>Hwk: Review Skeletal system powerpoint using accompanying note sheet</p>	SAP2a	
	Friday, 9/21	<ul style="list-style-type: none"> <li>How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible.</li> </ul>	<ul style="list-style-type: none"> <li>Bone Structure</li> <li>Bone Function</li> <li>Bone Organization - naming specific bones</li> </ul>	<ul style="list-style-type: none"> <li>Lab #12 &amp; 13</li> <li>Create Flash Cards</li> <li>Color code bone diagrams</li> <li>Hwk: <a href="#">Skeletal System Crossword</a> puzzle</li> </ul>	SAP 2b	

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Week 8	Monday, 9/24	<ul style="list-style-type: none"> <li>How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible.</li> </ul>	<ul style="list-style-type: none"> <li>Bone Structure</li> <li>Bone Function</li> <li>Bone Organization – naming specific bones</li> <li>Bone development and growth</li> </ul>	<ul style="list-style-type: none"> <li><a href="#">Bone remodeling</a> video clip</li> <li><a href="#">Bone growth</a> video clip</li> <li><a href="#">Osteoblast &amp; osteoclast</a> video clip</li> <li>Review bone development</li> <li>Bone Bingo</li> <li>Hwk: Read GB on pages 195-205</li> </ul>	SAP 2b
	Tuesday, 9/25	<ul style="list-style-type: none"> <li>How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible.</li> </ul>	<ul style="list-style-type: none"> <li>Bone Organization – naming specific bones</li> <li>Bone development and growth</li> </ul>	<ul style="list-style-type: none"> <li><a href="#">Forensics Bone</a> Lab or Dem Bones <a href="http://sciencecases.lib.buffalo.edu/cs/collection/results.asp?search=&amp;subject_headings=Anatomy&amp;educational_level=&amp;type_methods=&amp;topical_areas=&amp;x=27&amp;y=8">http://sciencecases.lib.buffalo.edu/cs/collection/results.asp?search=&amp;subject_headings=Anatomy&amp;educational_level=&amp;type_methods=&amp;topical_areas=&amp;x=27&amp;y=8</a></li> </ul>	SAP 2b
	Wednesday, 9/26	<ul style="list-style-type: none"> <li>How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible.</li> </ul>	<ul style="list-style-type: none"> <li>Bone Organization – naming specific bones</li> <li>Bone development and growth</li> </ul>	<ul style="list-style-type: none"> <li>Bone Quiz 1: Skull</li> <li>Finish Bone Lab</li> <li>Hwk: Ch 7 Mastery Test</li> </ul>	SAP 2b
	Thursday, 9/27	<ul style="list-style-type: none"> <li>How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible.</li> </ul>	<ul style="list-style-type: none"> <li>Injury,disease and disorders</li> <li>Life-span changes</li> </ul>	<ul style="list-style-type: none"> <li>Bone Quiz 2: Torso</li> <li>FOP video clip : <a href="http://www.youtube.com/watch?v=2IH515mBcKc">http://www.youtube.com/watch?v=2IH515mBcKc</a></li> <li>Powerpoint notes on injury, disease, disorders, and aging of the skeletal system</li> <li>Hwk: Read GB on pages 211-225</li> </ul>	SAP 2b
	Friday, 9/28	<ul style="list-style-type: none"> <li>How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible.</li> </ul>	<ul style="list-style-type: none"> <li>Bone Organization – naming specific bones</li> <li>Bone development and growth</li> <li>Life-span changes</li> </ul>	<ul style="list-style-type: none"> <li>Bone Quiz 3: Appendages</li> <li><a href="#">Skeletal System measurements</a> activities</li> <li>Hwk: Read GB on pages 226-240</li> </ul>	SAP 2b

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Week 9	Monday, 10/1	<ul style="list-style-type: none"> <li>How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible.</li> </ul>	<ul style="list-style-type: none"> <li>Classification of joints</li> <li>Structure and types of synovial joints</li> <li>Joint movements</li> </ul>	<ul style="list-style-type: none"> <li>Lab exercise #18 : Joints</li> <li>Hwk: Review Ch 8: Articulations powerpoint using the accompanying note sheet</li> </ul>	SAP 2b
	Tuesday, 10/2	<ul style="list-style-type: none"> <li>How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible.</li> </ul>	<ul style="list-style-type: none"> <li>Classification of joints</li> <li>Structure and types of synovial joints</li> <li>Joint movements</li> </ul>	<ul style="list-style-type: none"> <li>Graphic Organizer Wars – on bulletin board paper and working in groups students will compete to create a graphic organizer from the Ch 8 vocabulary provided</li> <li>Review structure of synovial joints</li> <li>Hwk: Read GB on pages 265-275</li> </ul>	SAP 2b
	Wednesday, 10/3	<ul style="list-style-type: none"> <li>How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible.</li> </ul>	<ul style="list-style-type: none"> <li>Structure and types of synovial joints</li> <li>Joint movements</li> </ul>	<ul style="list-style-type: none"> <li>Articulations Quiz</li> <li><a href="#">Joint Chararades</a></li> <li>Hwk: Ch 8 Mastery Test</li> </ul>	SAP 2b
	Thursday, 10/4	<ul style="list-style-type: none"> <li>How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible.</li> </ul>	<ul style="list-style-type: none"> <li>Injury,disease and disorders</li> <li>Life-span changes</li> </ul>	<ul style="list-style-type: none"> <li>Read article on <a href="#">Popping knuckles</a> and discuss</li> <li>Powerpoint notes and video clips on disorders, disease, and aging</li> <li><a href="#">EdHeads</a> – hip or knee replacement surgery simulation</li> <li>Hwk: Read GB on pages 277-280</li> </ul>	SAP 2b
	Friday, 10/5	<ul style="list-style-type: none"> <li>How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible.</li> </ul>	All from the skeletal system unit	<b>Chapters 7 &amp; 8: Skeletal System Unit TEST</b>	SAP 2b



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Week 10 Benchmark Week #2	Monday, 10/8	LANGUAGE ARTS + FINE ARTS	<ul style="list-style-type: none"> <li>Characteristics of the 3 types of muscle</li> <li>Skeletal Muscle Structure</li> <li>Major Skeletal Muscles -Naming</li> </ul>	<ul style="list-style-type: none"> <li>Review slides of different types of muscle tissue</li> <li>Review characteristics of the 3 types of muscle</li> <li>Naming system for muscles notes - <a href="#">powerpoint</a> with graphic organizer</li> <li>Discuss terms origin and insertion</li> </ul>	SAP 2b	
	Tuesday, 10/9	MATH + FOREIGN LANGUAGE	<ul style="list-style-type: none"> <li>Skeletal Muscle Structure</li> <li>Major Skeletal Muscles -Naming</li> </ul>	<ul style="list-style-type: none"> <li>Review for midterm exam</li> <li>Muscle identification &amp; color sheets</li> </ul>	SAP 2b	
	Wednesday, 10/10	SOCIAL STUDIES + CTAE	<ul style="list-style-type: none"> <li>Skeletal Muscle Structure</li> <li>Major Skeletal Muscles -Naming</li> </ul>	<ul style="list-style-type: none"> <li>Review for midterm exam</li> <li>Picasso &amp; cubism muscle man art works</li> </ul>	SAP 2b	
	Thursday, 10/11	SCIENCE + HEALTH/PE		<b>MIDTERM EXAM - will stop with content over skeletal system</b>	SAP 1a, 1b, 1c, 1d, 1e, 2a, & 2b	
	Friday, 10/12	<b>Professional Learning Day (Student Holiday)</b>				
	Monday, 10/15	<b>FALL HOLIDAY</b>				
	<b>Tuesday, 10/16</b>		<b>FIELD TRIP TO BODIES EXHIBIT</b>			
	Wednesday, 10/17	<b>PSAT/ASVAB/College Fair</b>				
	Thursday, 10/18	<b>Professional Learning (Early Release)</b>				
	Friday, 10/19	<b>HOMECOMING (Early Release)</b>				

## Buford High School CURRICULUM CALENDAR

**COURSE: Human Anatomy & Physiology**

**SEMESTER: Fall Semester 2012**

**TEACHER(S): Angela Edwards**

WEEK	DAY	CONCEPT	OBJECTIVES	INSTRUCTIONAL STRATEGIES	STANDARDS (CCGPS, GPS, AP)
Week 11	Monday, 10/22	<ul style="list-style-type: none"> <li>How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible.</li> </ul>	<ul style="list-style-type: none"> <li>Skeletal Muscle Structure</li> <li>Major Skeletal Muscles -Naming</li> </ul>	<ul style="list-style-type: none"> <li><a href="#">Human dissection</a> video clip</li> <li>Cat dissection</li> <li>Hwk: Practice using muscle naming quiz web sties</li> </ul>	SAP 2b
	Tuesday, 10/23	<ul style="list-style-type: none"> <li>How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible.</li> </ul>	<ul style="list-style-type: none"> <li>Skeletal Muscle Structure</li> <li>Major Skeletal Muscles -Naming</li> </ul>	<ul style="list-style-type: none"> <li>Muscle Quiz #1</li> <li>Cat dissection</li> <li>Hwk: Skeletal Muscles puzzle</li> </ul>	SAP 2b
	Wednesday,	<ul style="list-style-type: none"> <li>How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible.</li> </ul>	<ul style="list-style-type: none"> <li>Skeletal Muscle Structure</li> </ul>	<ul style="list-style-type: none"> <li>Cat dissection</li> <li>Hwk: Review powerpoint on structure of skeletal muscle tissue using accompanying note sheet</li> </ul>	SAP 2b
	Thursday, 10/25	<ul style="list-style-type: none"> <li>How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible.</li> </ul>	<ul style="list-style-type: none"> <li>Muscular contractions &amp; Responses</li> <li>Skeletal Muscle Actions</li> </ul>	<ul style="list-style-type: none"> <li>Muscle Quiz 2</li> <li><a href="#">Spider venom to treat Duchenne MD</a> article</li> <li>Review skeletal muscle structure</li> <li>Hwk: Read GB on pages 286-296</li> </ul>	SAP 2b
	Friday, 10/26	<ul style="list-style-type: none"> <li>How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible.</li> </ul>	<ul style="list-style-type: none"> <li>Muscular contractions &amp; Responses</li> <li>Skeletal Muscle Actions</li> </ul>	<ul style="list-style-type: none"> <li>Muscle Quiz 3</li> <li><a href="#">Muscle fatigue</a> activity</li> <li>Muscle contraction video clip</li> <li>Review muscle contractions</li> <li>Hwk: Review worksheet on muscle actions</li> </ul>	SAP 2b

## Buford High School CURRICULUM CALENDAR

**COURSE: Human Anatomy & Physiology**

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WEEK	DAY	CONCEPT	OBJECTIVES	INSTRUCTIONAL STRATEGIES	STANDARDS (CCGPS, GPS, AP)
Week 12 Performance Essay	Monday, 10/29	<ul style="list-style-type: none"> <li>How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible.</li> </ul>	<ul style="list-style-type: none"> <li>Muscular contractions &amp; Responses</li> <li>Skeletal Muscle Actions</li> </ul>	<ul style="list-style-type: none"> <li><a href="#">Sports Drink</a> article</li> <li>Kids and Sports Drinks article</li> <li><a href="#">Investigating Sports Drinks</a> activity –comparing drinks</li> <li><a href="#">Conductivity of Sports Drinks</a> activity</li> </ul>	SAP 2b
	Tuesday, 10/30	<ul style="list-style-type: none"> <li>How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible.</li> </ul>	<ul style="list-style-type: none"> <li>Illness, Disease, and Disorders</li> <li>Life-Span Changes</li> </ul>	<ul style="list-style-type: none"> <li>Using powerpoint, discuss illness, disease, disorders &amp; life-span changes</li> <li>Ch 9 Mastery Test</li> </ul>	SAP2b
	Wednesday,	MATH + FOREIGN LANGUAGE		<ul style="list-style-type: none"> <li>Simon Says: Muscle actions game</li> <li>Review for test</li> </ul>	
	Thursday, 11/1	<ul style="list-style-type: none"> <li>How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible.</li> </ul>	All in the Muscular System unit	<p><b>Muscular System TEST</b></p> <ul style="list-style-type: none"> <li>Hwk: Read info on ALD</li> </ul>	SAP2b
	Friday, 11/2	<p><b>Assess the integration and coordination of body functions and their dependence on the endocrine and nervous systems to regulate physiological activities:</b></p> <ul style="list-style-type: none"> <li>The physiology of electrochemical impulses and neural integration and trace the pathway of an impulse, relating biochemical changes involved in the conduction of the impulse</li> </ul>	<ul style="list-style-type: none"> <li>Nervous System Divisions</li> <li>Neuron Structure</li> </ul>	<ul style="list-style-type: none"> <li>Nervous System Graphic Organizer</li> <li>Neuron Structure Reading guide</li> <li>Lorenzo’s oil</li> <li>Hwk: Finish reading guide and view powerpoint</li> </ul>	SAP 3b

## Buford High School CURRICULUM CALENDAR

**COURSE: Human Anatomy & Physiology**

**SEMESTER: Fall Semester 2012**

**TEACHER(S): Angela Edwards**

WEEK	DAY	CONCEPT	OBJECTIVES	INSTRUCTIONAL STRATEGIES	STANDARDS (CCGPS, GPS, AP)
Week 13	Monday, 11/5	<ul style="list-style-type: none"> <li>The physiology of electrochemical impulses and neural integration and trace the pathway of an impulse, relating biochemical changes involved in the conduction of the impulse</li> </ul>	<ul style="list-style-type: none"> <li>Neurons</li> <li>Neuroglia Cells</li> </ul>	<ul style="list-style-type: none"> <li><a href="#">Lorenzo's song</a></li> <li>Review neuroglial cells</li> <li><a href="#">Neuroglial cell billboard</a> activity</li> <li>Lorenzo's oil</li> <li>Hwk: Read GB on pages 356-366</li> </ul>	SAP 3b
	Tuesday, 11/6	<ul style="list-style-type: none"> <li>The physiology of electrochemical impulses and neural integration and trace the pathway of an impulse, relating biochemical changes involved in the conduction of the impulse</li> </ul>	<ul style="list-style-type: none"> <li>Neurons</li> <li>Neuroglia Cells</li> </ul>	<ul style="list-style-type: none"> <li>Who am I game – with nerve cell descriptions</li> <li>Lorenzo's oil</li> <li>Hwk: Review powerpoint notes on impulse transmission using accompanying note sheet</li> </ul>	SAP 3b
	Wednesday,	<ul style="list-style-type: none"> <li>The physiology of electrochemical impulses and neural integration and trace the pathway of an impulse, relating biochemical changes involved in the conduction of the impulse</li> </ul>	<ul style="list-style-type: none"> <li>Cell Membrane Potential</li> <li>Synaptic Transmission</li> <li>Impulse Processing</li> </ul>	<ul style="list-style-type: none"> <li>Nerve transmission video clip – Body Book CD</li> <li>Review nerve impulse transmission</li> <li>Lorenzo's oil</li> <li>Hwk: <a href="#">Neurotransmitters and drug use</a></li> </ul>	SAP 3b
	Thursday, 11/8	<ul style="list-style-type: none"> <li>The physiology of electrochemical impulses and neural integration and trace the pathway of an impulse, relating biochemical changes involved in the conduction of the impulse</li> </ul>	<ul style="list-style-type: none"> <li>Illness, disease and disorders</li> <li>Life span changes</li> </ul>	<ul style="list-style-type: none"> <li>Terri Schiavo <a href="#">article</a></li> <li>Terri Schiavo <a href="#">timeline</a></li> <li>Lorenzo's oil</li> <li>Hwk: Read GB and CA on pages 367-379</li> </ul>	SAP 3b
	Friday, 11/9	<ul style="list-style-type: none"> <li>The physiology of electrochemical impulses and neural integration and trace the pathway of an impulse, relating biochemical changes involved in the conduction of the impulse</li> </ul>	<ul style="list-style-type: none"> <li>Cell Membrane Potential</li> <li>Synaptic Transmission</li> <li>Impulse Processing</li> <li>Illness, disease and disorders</li> </ul>	<ul style="list-style-type: none"> <li>Lorenzo's oil</li> <li>Ch 10 Mastery Test – review</li> </ul>	SAP 3b

**Buford High School CURRICULUM CALENDAR**

<b>COURSE: Human Anatomy &amp; Physiology</b>	<b>SEMESTER: Fall Semester 2012</b>
<b>TEACHER(S): Angela Edwards</b>	

<b>WEEK</b>	<b>DAY</b>	<b>CONCEPT</b>	<b>OBJECTIVES</b>	<b>INSTRUCTIONAL STRATEGIES</b>	<b>STANDARDS (CCGPS, GPS, AP)</b>
Week 14 Benchmark Week #3	Monday, 11/12	<ul style="list-style-type: none"> <li>The physiology of electrochemical impulses and neural integration and trace the pathway of an impulse, relating biochemical changes involved in the conduction of the impulse</li> </ul>	<ul style="list-style-type: none"> <li>All up to this point</li> </ul>	<ul style="list-style-type: none"> <li>Benchmark Review</li> <li>Finish Lorenzo's oil &amp; view <a href="#">Myelin Project</a> website</li> </ul>	SAP 3b
	<b>Tuesday,</b>	<b>SCIENCE + HEALTH/PE</b>	<ul style="list-style-type: none"> <li><b>All up to this point</b></li> </ul>	<b>Benchmark 3 - ending with Nervous System I</b>	
	Wednesday,	SOCIAL STUDIES + CTAE	<ul style="list-style-type: none"> <li>Protection and structure of central NS</li> </ul>	<ul style="list-style-type: none"> <li>Review NS graphic organizer</li> <li>Notes on meninges &amp; spinal cord</li> </ul>	SAP 3b
	Thursday, 11/15	LANGUAGE ARTS + FINE ARTS	<ul style="list-style-type: none"> <li>Illness, disease, disorders and life-span changes</li> </ul>	<ul style="list-style-type: none"> <li>Illness, disease, and disorder powerpoint</li> <li>Read Manju story</li> </ul>	SAP 3b
	Friday, 11/16	MATH + FOREIGN LANGUAGE	<ul style="list-style-type: none"> <li>Central NS function</li> </ul>	<ul style="list-style-type: none"> <li>Pinky &amp; the Brain Song - video clip</li> <li>Hemisphere dominance activity</li> <li>Map functional areas on a brain diagram</li> <li><a href="#">Human brain</a> dissection images</li> </ul>	SAP 3b

**THANKSGIVING BREAK**

**November 19-23**

## Buford High School CURRICULUM CALENDAR

<b>COURSE: Human Anatomy &amp; Physiology</b>	<b>SEMESTER: Fall Semester 2012</b>
<b>TEACHER(S): Angela Edwards</b>	

WEEK	DAY	CONCEPT	OBJECTIVES	INSTRUCTIONAL STRATEGIES	STANDARDS (CCGPS, GPS, AP)	
Week 15 Performance Essay	Monday, 11/26	<ul style="list-style-type: none"> <li>The physiology of electrochemical impulses and neural integration and trace the pathway of an impulse, relating biochemical changes involved in the conduction of the impulse</li> </ul>	<ul style="list-style-type: none"> <li>Central NS function</li> </ul>	<ul style="list-style-type: none"> <li>Map placement and function of cranial nerves on brain diagram</li> <li>Book Club – Ch 9 <i>Stiff</i></li> </ul>	SAP 3b	
	Tuesday, 11/27	<ul style="list-style-type: none"> <li>The physiology of electrochemical impulses and neural integration and trace the pathway of an impulse, relating biochemical changes involved in the conduction of the impulse</li> </ul>	<ul style="list-style-type: none"> <li>Brain and Spinal cord Structure</li> <li>Cranial nerve placement</li> </ul>	<ul style="list-style-type: none"> <li>Sheep Brain dissection</li> </ul>	SAP 3b	
	<b>Wednesday,</b>	<b>SCIENCE + HEALTH/PE</b>		<b>Performance Essay</b>		
	Thursday, 11/29	<ul style="list-style-type: none"> <li>The physiology of electrochemical impulses and neural integration and trace the pathway of an impulse, relating biochemical changes involved in the conduction of the impulse</li> </ul>	<ul style="list-style-type: none"> <li>Brain and Spinal cord Structure</li> <li>Cranial nerve placement</li> </ul>	<ul style="list-style-type: none"> <li>Sheep Brain dissection</li> </ul>	SAP 3b	
	Friday, 11/30	<ul style="list-style-type: none"> <li>The physiology of electrochemical impulses and neural integration and trace the pathway of an impulse, relating biochemical changes involved in the conduction of the impulse</li> </ul>	<ul style="list-style-type: none"> <li>Divisions of Autonomic NS</li> </ul>	<ul style="list-style-type: none"> <li><a href="#">Bad Fish</a> Case Study – toxic fish poisoning</li> <li><a href="#">Nervous System GO</a></li> </ul>	SAP 3b	

## Buford High School CURRICULUM CALENDAR

**COURSE: Human Anatomy & Physiology**

**SEMESTER: Fall Semester 2012**

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WEEK	DAY	CONCEPT	OBJECTIVES	INSTRUCTIONAL STRATEGIES	STANDARDS (CCGPS, GPS, AP)
Week 16	Monday, 12/3	<ul style="list-style-type: none"> <li>The physiology of electrochemical impulses and neural integration and trace the pathway of an impulse, relating biochemical changes involved in the conduction of the impulse</li> </ul>	<ul style="list-style-type: none"> <li>All NSII concepts</li> </ul>	<ul style="list-style-type: none"> <li>Chapter 11 Master Test – review NS 11</li> </ul>	SAP 3b
	Tuesday, 12/4	<ul style="list-style-type: none"> <li>The physiology of electrochemical impulses and neural integration and trace the pathway of an impulse, relating biochemical changes involved in the conduction of the impulse</li> </ul>	<ul style="list-style-type: none"> <li>All NSII concepts</li> </ul>	<p><b>Nervous System II Test</b></p> <p>Hwk: Review NS III: Senses power point: part 1 with accompanying note sheet</p>	SAP 3b
	Wednesday, 12/5	<ul style="list-style-type: none"> <li>Interpret interactions among hormones, senses, and nerves which make possible the coordination of functions of the body</li> </ul>	<ul style="list-style-type: none"> <li>Taste buds</li> <li>Salivary glands</li> <li>Nose</li> <li>Olfactory cells</li> </ul>	<ul style="list-style-type: none"> <li><a href="#">Taste</a> video clip</li> <li>Review structure and function of taste and smell organs</li> </ul>	SAP 3a
	Thursday, 12/6	<ul style="list-style-type: none"> <li>Interpret interactions among hormones, senses, and nerves which make possible the coordination of functions of the body</li> </ul>	<ul style="list-style-type: none"> <li>Taste buds</li> <li>Salivary glands</li> <li>Nose</li> <li>Olfactory cells</li> </ul>	<ul style="list-style-type: none"> <li>PTC &amp; Sense of Taste Lab: Jelly Bean Lab</li> <li>Hwk: Finish Lab report</li> </ul> <p>Hwk: Review NS III: Senses power point: part 2 with accompanying note sheet</p>	SAP 3a
	Friday, 12/7	<ul style="list-style-type: none"> <li>Interpret interactions among hormones, senses, and nerves which make possible the coordination of functions of the body</li> </ul>	<ul style="list-style-type: none"> <li>Ear Structure</li> <li>Ear Function</li> </ul>	<ul style="list-style-type: none"> <li><a href="#">Hearing</a> video clip</li> <li><a href="#">Sense of Hearing</a> activities</li> <li>Ear Color Sheet</li> </ul>	SAP 3a

## Buford High School CURRICULUM CALENDAR

<b>COURSE: Human Anatomy &amp; Physiology</b>	<b>SEMESTER: Fall Semester 2012</b>
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WEEK	DAY	CONCEPT	OBJECTIVES	INSTRUCTIONAL STRATEGIES	STANDARDS (CCGPS, GPS, AP)
Week 17	Monday, 12/10	<ul style="list-style-type: none"> <li>Interpret interactions among hormones, senses, and nerves which make possible the coordination of functions of the body</li> </ul>	<ul style="list-style-type: none"> <li>Ear Structure</li> <li>Ear Function</li> </ul>	<ul style="list-style-type: none"> <li>Review process of Hearing</li> <li>Read Cochlear Implant Article</li> </ul>	SAP 3a
	Tuesday, 12/11	<ul style="list-style-type: none"> <li>Interpret interactions among hormones, senses, and nerves which make possible the coordination of functions of the body</li> </ul>	<ul style="list-style-type: none"> <li>Ear Structure</li> <li>Ear Function</li> </ul>	<ul style="list-style-type: none"> <li>Lab #33: Equilibrium</li> <li>Hwk: Review NS III: Senses power point: part 3 with accompanying note sheet</li> </ul>	SAP 3a
	Wednesday, 12/12	<ul style="list-style-type: none"> <li>Interpret interactions among hormones, senses, and nerves which make possible the coordination of functions of the body</li> </ul>	<ul style="list-style-type: none"> <li>Eye structure</li> <li>Eye function</li> </ul>	<ul style="list-style-type: none"> <li>Review structure and function of the eye</li> <li>Eye color sheet</li> </ul>	SAP 3a
	Thursday, 12/13	All From Fall Semester	All From Fall Semester	Review Activities for Final Exam	SAP 1, 2, & 3
	Friday, 12/14	All From Fall Semester	All From Fall Semester	Review Activities for Final Exam	SAP 1,2, & 3

WEEK	DAY	CONCEPT	OBJECTIVES	INSTRUCTIONAL STRATEGIES	STANDARDS (CCGPS, GPS, AP)
Week 18 Benchmark Week #4	Monday, 12/17	<b>Semester Exams (Benchmark #4) - 7<sup>th</sup> Period</b>			
	Tuesday, 12/18	<b>Semester Exams (Benchmark #4) - 1<sup>st</sup> &amp; 2<sup>nd</sup> Periods</b>			
	Wednesday, 12/19	<b>Semester Exams (Benchmark #4) - 3<sup>rd</sup> &amp; 4<sup>th</sup> Periods</b>			
	Thursday, 12/20	<b>Semester Exams (Benchmark #4) - 5<sup>th</sup> &amp; 6<sup>th</sup> Periods</b>			
	<b>Friday,</b>	<b>Professional Learning Day (Student Holiday)</b>			