

Buford High School CURRICULUM CALENDAR

COURSE: Human Anatomy & Physiology	SEMESTER: 2013 Fall – 2014 Spring
TEACHER(S): Angela Edwards	

WEEK	DAY	CONCEPT	OBJECTIVES	INSTRUCTIONAL STRATEGIES	GPS
Week 1	Wednesday, 8/7	Analyzing anatomical structures in relationship to their physiological functions. <ul style="list-style-type: none"> Cellular metabolism and transport to homeostasis and cellular reproduction 	<ul style="list-style-type: none"> Biochemistry Metabolic Processes Enzymes 	<ul style="list-style-type: none"> Syllabus and Study Tips - handouts http://www.lionden.com/study_tips.htm Top 10 amazing facts about the human body video clip: http://www.youtube.com/watch?v=qFrRebVvj-w Hwk: Review <u>Biochemistry</u> powerpoint & complete analysis questions. 	SAP 1d
	Thursday, 8/8	<ul style="list-style-type: none"> Cellular metabolism and transport to homeostasis and cellular reproduction 	<ul style="list-style-type: none"> Biochemistry Metabolic Processes Enzymes 	<ul style="list-style-type: none"> Assign textbooks <u>Biochemistry Organizer</u> - handout Read pp 51, 64, & 66 green boxes Hwk: <u>Biochemistry Crossword</u> Puzzle 	SAP 1d
	Friday, 8/9	<ul style="list-style-type: none"> Cellular metabolism and transport to homeostasis and cellular reproduction 	<ul style="list-style-type: none"> Biochemistry Metabolic Processes Enzymes 	<ul style="list-style-type: none"> Biochemistry Bowl Game: http://msjensen.cehd.umn.edu/webanatomy/ Sweet saltine cracker activity Review Biochemistry Crossword puzzle Research testing for macromolecules - Ipads 	SAP 1d

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Week 2	Monday, 8/12	<ul style="list-style-type: none"> Cellular metabolism and transport to homeostasis and cellular reproduction 	<ul style="list-style-type: none"> Biochemistry Metabolic Processes Enzymes 	<ul style="list-style-type: none"> Murder and a Meal - testing for macromolecules lab Hwk: Review Biology powerpoint & complete analysis questions Read Clinical Applications - p.81, p.82, p. 88 and green box - p. 91 	SAP 1d
	Tuesday, 8/13	<ul style="list-style-type: none"> Cellular metabolism and transport to homeostasis and cellular reproduction 	<ul style="list-style-type: none"> Cell Components Cellular Respiration Mitosis Protein Synthesis 	<ul style="list-style-type: none"> Cell Biology Tournament Fluid Mosaic Model video clip: http://www.youtube.com/watch?v=Qgsf_UJcfBc Cell Concept Map Cell Biology Crossword 	SAP 1d
	Wednesday, 8/14	<ul style="list-style-type: none"> Cellular metabolism and transport to homeostasis and cellular reproduction 	<ul style="list-style-type: none"> Cell Components Cell Recognition 	<ul style="list-style-type: none"> Baby Fae Prezi: http://prezi.com/e--gzb5yqkba/baby-fae-baboon-heart/ Read & discuss transplant articles Hwk: Stephanie's heart Part 1: http://www.youtube.com/watch?v=_wAJ6-fSD-Y Part 2: http://www.youtube.com/watch?v=fc78mD0EGoo 	SAP 1d
	Thursday, 8/15	<ul style="list-style-type: none"> Cellular metabolism and transport to homeostasis and cellular reproduction 	<ul style="list-style-type: none"> Cellular Transport 	<ul style="list-style-type: none"> Cell Size Lab Hwk: Finish Lab report 	SAP1d
	Friday, 8/16	<ul style="list-style-type: none"> Cellular metabolism and transport to homeostasis and cellular reproduction 	<ul style="list-style-type: none"> Cell Cycle 	<ul style="list-style-type: none"> Stem Cell handout Read & Discuss stem cell research articles EdHead stem cell interactive activity 	SAP1d

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WEEK	DAY	CONCEPT	OBJECTIVES	INSTRUCTIONAL STRATEGIES	GPS
Week 3	Monday, 8/19	<ul style="list-style-type: none"> Cellular metabolism and transport to homeostasis and cellular reproduction 	<ul style="list-style-type: none"> All from Biochemistry and Cell Biology 	<ul style="list-style-type: none"> Biochemisty Bowl Game Flow Chart Wars - groups compete to create a comprehensive flow chart for this unit 	SAP1d
	Tuesday, 8/20	<ul style="list-style-type: none"> Cellular metabolism and transport to homeostasis and cellular reproduction 	<ul style="list-style-type: none"> All from Biochemistry and Cell Biology 	<p>TEST: Biochemistry and Cells</p> <ul style="list-style-type: none"> Hwk: Review Ch. 1: Introduction to Anatomy & Physiology powerpoint using accompanying note sheet 	SAP1d
	Wednesday, 8/21	<p>Analyzing anatomical structures in relationship to their physiological functions.</p> <ul style="list-style-type: none"> Interdependence of the various body systems 	<ul style="list-style-type: none"> Define anatomy and Physiology History of A&P Levels of organization Body Systems 	<ul style="list-style-type: none"> Vesalius video clip http://www.youtube.com/watch?v=qOhh-8mgTFk First 6 slides on Ch. 1 powerpoint Read <i>Stiff</i> Chapter 2: Crimes of Anatomy Hwk: Complete reading Ch. 2 <i>Stiff</i> 	SAP1b
	Thursday, 8/22	<ul style="list-style-type: none"> Interdependence of the various body systems The role and mechanisms of homeostasis 	<ul style="list-style-type: none"> Characteristics of Life Maintenance of Life (homeostasis) 	<ul style="list-style-type: none"> Complete Ch. 2 <i>Stiff</i> assignment in book club groups Charactreistics & Requirements of Life, and Homeostasis notes - with accompanying note sheet Homeostasis analogies: http://www.lionden.com/homeostasis.htm Hwk: Body Systems graphic organizer & Barron's red book p. 7 	SAP1b
	Friday, 8/23	<ul style="list-style-type: none"> Orientation of body parts and Regions 	<ul style="list-style-type: none"> Organization of the human body Anatomical terminology 	<ul style="list-style-type: none"> Characteristics of Life Quiz Body Cavities graphic organizer handout Body Terminology notes Hwk: Body Terminology & Cavities Review sheets 	SAP1c

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WEEK	DAY	CONCEPT	OBJECTIVES	INSTRUCTIONAL STRATEGIES	GPS
Week 4	Monday, 8/26	<ul style="list-style-type: none"> Orientation of body parts and regions 	<ul style="list-style-type: none"> Organization of the human body Anatomical terminology 	<ul style="list-style-type: none"> Veggie County Autopsy - pickle autopsy lab Lab Report 2 - Shier Lab manual 	SAP 1a
	Tuesday, 8/27	<ul style="list-style-type: none"> Orientation of body parts and regions 	<ul style="list-style-type: none"> Organization of the human body Anatomical terminology 	<ul style="list-style-type: none"> Cavities & Terminology Quiz Review Games - http://msjensen.cehd.umn.edu/webanatomy/ 	SAP 1a
	Wednesday, 8/28	<ul style="list-style-type: none"> Orientation of body parts and regions Interdependence of the various body systems The role and mechanisms of homeostasis 	<ul style="list-style-type: none"> All from the Introduction to the Body unit 	<p>TEST: Introduction to the Body</p> <p>Hwk: Review powerpoint on Microscope usage & care and complete accompanying questions</p>	SAP1a SAP1b SAP1c
	Thursday, 8/29	<p>Analyzing anatomical structures in relationship to their physiological functions.</p> <ul style="list-style-type: none"> How structure and function are related in terms of cell and tissue types 	<ul style="list-style-type: none"> Microscope usage Tissue types 	<ul style="list-style-type: none"> Review basic Microscope usage View letter "e" under scope Tissue Demo Hwk: Review powerpoint on Epithelia tissue with accompanying notesheet 	SAP 1e
	Friday, 8/30 Professional Learning Early Release	<ul style="list-style-type: none"> How structure and function are related in terms of cell and tissue types 	<ul style="list-style-type: none"> Microscope usage Epithelia Tissue Tissue disease 	<ul style="list-style-type: none"> Microscope Quiz Read green box on p.149 Review Epithelia tissue characteristics Obesity and Cancer connection article 	SAP 1e

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Week 5	Monday, 9/2	LABOR DAY HOLIDAY			
	Tuesday, 9/3	<ul style="list-style-type: none"> How structure and function are related in terms of cell and tissue types 	<ul style="list-style-type: none"> Epithelia Tissue 	<ul style="list-style-type: none"> Cheek Cell Lab activity Observe prepared slides of different epithelia tissues Hwk: Review Connective Tissue powerpoint and complete accompanying notesheet 	SAP 1e
	Wednesday, 9/4	<ul style="list-style-type: none"> How structure and function are related in terms of cell and tissue types 	<ul style="list-style-type: none"> Connective Tissue Connective Tissue Disease 	<ul style="list-style-type: none"> Epithelia Tissue Quiz Review Connective Tissue characteristics Discuss Connective Tissue diseases - Clinical Applications pp. 154 & 156 Hwk: Mastery Test Ch.5 	SAP 1e
	Thursday, 9/5	<ul style="list-style-type: none"> How structure and function are related in terms of cell and tissue types 	<ul style="list-style-type: none"> Connective Tissue 	<ul style="list-style-type: none"> Histology Review game http://msjensen.cehd.umn.edu/webanatomy/histology/ Observe prepared slides of different connective tissues Hwk: Review powerpoint on Muscles & Nerve tissue with accompanying notesheet 	SAP 1e
	Friday, 9/6	<ul style="list-style-type: none"> How structure and function are related in terms of cell and tissue types 	<ul style="list-style-type: none"> Muscle Tissue Nerve Tissue 	<ul style="list-style-type: none"> Connective Tissue Quiz View prepared slides of muscle and nerve tissue Complete MT Ch 5 	SAP 1e

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Week 6	Monday, 9/9	<ul style="list-style-type: none"> How structure and function are related in terms of cell and tissue types 	<ul style="list-style-type: none"> All Tissue Types 	<ul style="list-style-type: none"> Chicken Wing dissection Lab Activity Hwk: Lab Report 8,9, & 10 - Shier Lab Manual 	SAP 1e
	Tuesday, 9/10	<ul style="list-style-type: none"> How structure and function are related in terms of cell and tissue types 	<ul style="list-style-type: none"> All Tissue Types 	<ul style="list-style-type: none"> Mystery Histology lab 	SAP 1e
	Wednesday, 9/11 Performance Essay ENGLISH & FINE ARTS	<ul style="list-style-type: none"> How structure and function are related in terms of cell and tissue types 	<ul style="list-style-type: none"> All Tissue Types 	<ul style="list-style-type: none"> Mystery Histology Lab 	SAP1e
	Thursday, 9/12	<ul style="list-style-type: none"> How structure and function are related in terms of cell and tissue types 	<ul style="list-style-type: none"> All Tissue Types 	TEST: Tissue Types Hwk: Read article on "Electronic Skin Patches"	SAP 1e
	Friday, 9/13	Analyze the interdependence of the integumentary, skeletal and muscular systems as these relate to protections, support and movement of the human body <ul style="list-style-type: none"> Structure of the integumentary system to its functional role in protecting the body and maintaining homeostasis 	<ul style="list-style-type: none"> Structure of skin tissue 	<ul style="list-style-type: none"> Forensic Fingerprinting: The Body Farm video http://www.jeffersonbass.com/video_body_farm_and_beyond.html Fingerprint Lab - printing using balloons Hwk: Review powerpoint on functions of skin using accompanying note sheet 	SAP 2a

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Week 7 Benchmark #1	Monday, 9/16 ELECTIVES	<ul style="list-style-type: none"> Structure of the integumentary system to its functional role in protecting the body and maintaining homeostasis 	<ul style="list-style-type: none"> Structure of skin tissue Skin color 	<ul style="list-style-type: none"> Create mnemonic device for layers of epidermis Notes on epidermal layers using chart handout Read green boxes & clinical applications found on pages 170-176 	SAP 2a
	Tuesday, 9/17 ENGLISH	<ul style="list-style-type: none"> Structure of the integumentary system to its functional role in protecting the body and maintaining homeostasis 	<ul style="list-style-type: none"> Injury, Disease, & Disorders Life-Span Changes 	<ul style="list-style-type: none"> Matching game - epidermal layer to function Dermatologist Case Studies Activity - need IPads 	SAP 2a
	Wednesday, 9/18 MATH	<ul style="list-style-type: none"> All up to this point 	<ul style="list-style-type: none"> All up to this point 	Tic-Tac-Toe or Connect Four Review game - partners ask prepared questions & right answers allow individual to place a game piece	SAP 1 SAP 2a
	Thursday, 9/19 SCIENCE	<ul style="list-style-type: none"> All up to this point 	<ul style="list-style-type: none"> All up to this point 	Benchmark #1 EXAM Hwk: Plate 104 Skin color sheet	SAP 1 SAP 2a
	Friday, 9/20 SOCIAL STUDIES	<ul style="list-style-type: none"> Structure of the integumentary system to its functional role in protecting the body and maintaining homeostasis 	<ul style="list-style-type: none"> Structure of tissue Accessory Structures Regulation of body temperature 	<ul style="list-style-type: none"> Label Skin Diagram Notes on dermis and accessory organs using chart handout Epidermolysis Bullosa video clip http://www.youtube.com/watch?v=M7qirJXWhzc&feature=related or http://vimeo.com/9143114 	SAP 2a

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Week 8	Monday, 9/23	<ul style="list-style-type: none"> Structure of the integumentary system to its functional role in protecting the body and maintaining homeostasis 	<ul style="list-style-type: none"> Injury, Disease, & Disorders Homeostasis 	<ul style="list-style-type: none"> Integumentary System Quiz Burn notes Hwk: Chapter 6 Mastery Test 	SAP 2a
	Tuesday, 9/24	<ul style="list-style-type: none"> Structure of the integumentary system to its functional role in protecting the body and maintaining homeostasis 	<ul style="list-style-type: none"> Structure of skin tissue Accessory Structures 	<ul style="list-style-type: none"> Tattoo article Touch Receptor Lab Activity - Collect Data 	SAP 2a
	Wednesday, 9/25 Graduation Writing Test	<ul style="list-style-type: none"> Structure of the integumentary system to its functional role in protecting the body and maintaining homeostasis 	<ul style="list-style-type: none"> All from Integumentary Unit 	<ul style="list-style-type: none"> Integumentary System Jeopardy Integumentary Crossword Puzzle 	SAP 2a
	Thursday, 9/26	<ul style="list-style-type: none"> Structure of the integumentary system to its functional role in protecting the body and maintaining homeostasis 	<ul style="list-style-type: none"> All from Integumentary Unit 	TEST: Integumentary System	SAP 2a
	Friday, 9/27 Homecoming Early Release	<ul style="list-style-type: none"> Structure of the integumentary system to its functional role in protecting the body and maintaining homeostasis 	<ul style="list-style-type: none"> Structure of skin tissue Accessory Structures 	<ul style="list-style-type: none"> Finish Touch Receptor Lab Activity Homunculus Drawing 	SAP 2a

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Week 9	Monday, 9/30	Analyze the interdependence of the integumentary, skeletal and muscular systems	<ul style="list-style-type: none"> Injury Homeostasis 	<ul style="list-style-type: none"> Body Cavities and Terminology Review Read Chapter 5 Stiff: Beyond the Black Box Complete Book Club Assignment for Ch. 5 	SAP 2
	Tuesday, 10/1	<ul style="list-style-type: none"> How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible. 	<ul style="list-style-type: none"> Bone Structure Bone Function Bone Organization - naming specific bones 	<ul style="list-style-type: none"> Bone Terms: play on words activity Skeletal System Quiz List handout Build a Skeleton from Recycled materials project instructions Classification and Basic Structure of Bones notes Hwk: Read green boxes on pp. 195-205 	SAP 2b
	Wednesday, 10/2	<ul style="list-style-type: none"> How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible 	<ul style="list-style-type: none"> Bone Organization - naming specific bones Bone development and growth 	<ul style="list-style-type: none"> "Hidden Identity Bones" activity Bone Development, Growth, & Repair notes Remodeling, Growth, & Osteoblast/Osteoclast video clips: http://www.youtube.com/watch?v=OdV1Bwe2v6c&feature=related http://www.youtube.com/watch?v=G8MHi-JgoEs http://www.youtube.com/watch?v=78RBpWSOI08 Bone color sheets - finish for HWK 	SAP 2b
	Thursday, 10/3	<ul style="list-style-type: none"> How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible 	<ul style="list-style-type: none"> Bone Structure Bone Organization - naming specific bones 	<ul style="list-style-type: none"> Appendicular Skeleton Quiz Bone Forensics Lab 	SAP 2b
	Friday, 10/4	<ul style="list-style-type: none"> How the skeletal structures provide support and protection for tissues..... 	<ul style="list-style-type: none"> Bone Structure Bone Organization 	<ul style="list-style-type: none"> Axial Skeletal Quiz Complete Bone Forensics Lab Hwk: Ch. 7Mastery Test 	SAP 2b

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Week 10	Monday, 10/7	<ul style="list-style-type: none"> How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible 	<ul style="list-style-type: none"> Injury, disease, and disorders Life-span changes 	<ul style="list-style-type: none"> FOP video clip http://www.youtube.com/watch?v=2IH5l5mBcKc Powerpoint notes on injury, disease, disorders, and aging of skeletal system Bone Bingo Hwk: Read green boxes on pp. 211-225 	SAP2b
	Tuesday, 10/8	<ul style="list-style-type: none"> How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible 	<ul style="list-style-type: none"> Classification of joints Structure and types of synovial joints Joint movements 	<ul style="list-style-type: none"> Skull Quiz Lab 18 - Shier Lab Manual Hwk: Review Articulations powerpoint using the accompanying note sheet 	SAP2b
	Wednesday, 10/9 Performance Essay SOCIAL STUDIES & CTAE	<ul style="list-style-type: none"> How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible 	<ul style="list-style-type: none"> Classification of joints Structure and types of synovial joints 	<ul style="list-style-type: none"> Graphic Organizer Wars - working in groups students will compete to create a graphic organizer from a list of Ch 8 vocab Ch 8 Mastery Test 	SAP2b
	Thursday, 10/10	<ul style="list-style-type: none"> How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible 	<ul style="list-style-type: none"> Injury, disease, and disorders Life-span changes 	<ul style="list-style-type: none"> Article on Popping Knuckles Discuss joint injuries and surgeries - meniscus tears, hip replacements, etc.... EdHeads - hip replacement surgery simulation Joint Charades 	SAP2b
	Friday, 10/11	<ul style="list-style-type: none"> How the skeletal structures provide support and protection for tissues, and function 	All in skeletal system unit	TEST: Skeletal System & Articulations <ul style="list-style-type: none"> 	SAP2b

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Week 11	Monday, 10/14	FALL HOLIDAY!			
	Tuesday, 10/15	Professional Learning Day (Student Holiday)			
	Wednesday, 10/16 PSAT and College Fair	<ul style="list-style-type: none"> How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible 	<ul style="list-style-type: none"> Characteristics of 3 types of muscle 	<ul style="list-style-type: none"> Review 3 types of muscle - Matching review View slides of different muscle types Hwk: Review powerpoint on structure of skeletal muscle tissue using accompanying note sheet 	SAP 2b
	Thursday, 10/17 Fall Festival Early Release	<ul style="list-style-type: none"> How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible 	<ul style="list-style-type: none"> Skeletal Muscle Structure 	<ul style="list-style-type: none"> Make Muscle Fiber models Review muscle structure 	SAP 2b
	Friday, 10/18 Professional Learning Early Release	<ul style="list-style-type: none"> How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible 	<ul style="list-style-type: none"> Skeletal Muscle Structure 	<ul style="list-style-type: none"> Spider Venom to Treat Duchenne MD article Skeletal Muscle Tissue Review Questions - handout 	SAP 2b

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Week 12	Monday, 10/21	How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible	<ul style="list-style-type: none"> Muscular contractions & responses 	<ul style="list-style-type: none"> Muscle Fatigue activity - clothes pins Muscle Contraction notes Muscle Contraction video clip http://www.youtube.com/watch?v=WVuW56OnRII http://www.youtube.com/watch?v=gJ309LfHQ3M Hwk: Read green boxes and clinical applications on pp. 286- 301 	SAP 2b
	Tuesday, 10/22	How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible	<ul style="list-style-type: none"> Skeletal Muscle Structure Skeletal Muscles- Naming 	<ul style="list-style-type: none"> Naming system for muscles notes - powerpoint with graphic organizer Discuss terms origin and insertion Muscle identification Quiz List handout Hwk: Read green boxes and clinical applications on pp. 302-336 	
	Wednesday, 10/23	How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible	<ul style="list-style-type: none"> Illness, disease, & disorders Life-span changes 	<ul style="list-style-type: none"> Startup Review -Hang"muscle"man Ch. 9 Mastery Test Notes on illness, disease, disorders & life-span changes in Muscular System 	
	Thursday, 10/24	How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible	<ul style="list-style-type: none"> Major Skeletal Muscles - Naming 	<ul style="list-style-type: none"> Muscle identification & color sheets Hwk: Practice using muscle naming quiz web sites 	
	Friday, 10/25	How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible	All in muscular system unit	<p>TEST: Muscular System</p> <ul style="list-style-type: none"> Hwk: Practice using muscle naming quiz web sites 	

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Week 13 Benchmark #2	Monday, 10/28 ELECTIVES	<ul style="list-style-type: none"> How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible 	<ul style="list-style-type: none"> Major Skeletal Muscles - Naming 	<ul style="list-style-type: none"> Muscle Identification Quiz 1 Human dissection video clip Review cat dissection handouts and procedures Assign Cats for dissection Hwk: Body Language assignment 	SAP 2b
	Tuesday, 10/29 SOCIAL STUDIES	<ul style="list-style-type: none"> How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible 	<ul style="list-style-type: none"> Major Skeletal Muscles - Naming 	<ul style="list-style-type: none"> Muscle Identification Quiz 2 Cat Dissection Lab - muscles Hwk: Body Language assignment 	SAP 2b
	Wednesday, 10/30 ENGLISH	<ul style="list-style-type: none"> How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible 	<ul style="list-style-type: none"> Major Skeletal Muscles- Naming 	<ul style="list-style-type: none"> Cat Dissection Lab - muscles Hwk: Body Language assignment 	SAP 2b
	Thursday, 10/31 MATH	<ul style="list-style-type: none"> How the skeletal structures provide support and protection for tissues, and function together with the muscular system to make movements possible 	<ul style="list-style-type: none"> Major Skeletal Muscles- Naming All previously taught objectives 	<ul style="list-style-type: none"> Muscle Identification Quiz 3 Connect Four Review for Benchmark 	
	Friday, 11/1 SCIENCE	<ul style="list-style-type: none"> All previously taught concepts 	<ul style="list-style-type: none"> All previously taught objectives 	<ul style="list-style-type: none"> Benchmark #2 Exam Hwk: Read Ch. 6 <i>Stiff</i> 	

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Week 14	Monday, 11/4	Assess the integration and coordination of body functions and their dependence on the endocrine and nervous systems to regulate physiological activities:	<ul style="list-style-type: none"> Nervous System Divisions Neuron Structure 	<ul style="list-style-type: none"> Ch. 6 <i>Stiff</i> Reading Assignment Nervous System graphic organizer Hwk: Ch. 10 guide - page 1 - neuron structure 	SAP 3b
	Tuesday, 11/5	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> Neuron structure & function Neuroglial cell structure & function 	<ul style="list-style-type: none"> Neuron String Activity Review Ch. 10 guide - p. 1 Lab 25 - Shier lab manual Hwk: Complete Ch. 10 guide p. 2 	SAP 3b
	Wednesday, 11/6 Performance Essay MATH & FOREIGN LANG	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> Neuroglial cell structure & function 	<ul style="list-style-type: none"> Identify neuroglial cells activity - based on clues Review neuroglial cell structure and function Neuroglial cell billboard activity 	SAP 3b
	Thursday, 11/7	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> Classification of neurons Illness, disease, & disorders 	<ul style="list-style-type: none"> Read ALD info sheet View Lorenzo's Oil (15 min) Classification of neurons - pp. 3-4 of Ch. 10 guide using text Hwk: Read green boxes and clinical applications on pp. 356-366. 	SAP 3b
	Friday, 11/8	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> Cell membrane potential Synaptic transmission Impulse Processing 	<ul style="list-style-type: none"> Ch. 10 Quiz 1 Action Potential Rope Activity Impulse transmission notes Lorenzo's Oil 	SAP 3b

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TEACHER(S): Angela Edwards

WEEK	DAY	CONCEPT	OBJECTIVES	INSTRUCTIONAL STRATEGIES	GPS
Week 15	Monday, 11/11	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> Cell membrane potential Synaptic transmission Impulse Processing Illness, disease & disorders 	<ul style="list-style-type: none"> Action Potential Crossword puzzle Nerve transmission video clip - Body Book CD Lorenzo's Oil 	SAP 3b
	Tuesday, 11/12	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> Review of all objectives in NSI unit. 	<ul style="list-style-type: none"> Ch 10 Quiz 2 Ch 10 Mastery Test Lorenzo's Oil 	SAP 3b
	Wednesday, 11/13	<ul style="list-style-type: none"> The physiology of electrochemical impulses and neural integration and trace the pathway of an impulse..... 	<ul style="list-style-type: none"> Illness, diseases, & disorders 	<ul style="list-style-type: none"> Terri Shiavo Article Terri Shiavo Timeline Lorenzo's Oil Hwk: Read green boxes and clinical applications on pp. 367-379. 	SAP 3b
	Thursday, 11/14	<ul style="list-style-type: none"> The physiology of electrochemical impulses and neural integration and trace the pathway of an impulse 	<ul style="list-style-type: none"> Review of all objectives in NSI unit. 	<ul style="list-style-type: none"> Ch 10 Review Bingo or Hang"neuron" Lorenzo's Oil 	SAP 3b
	Friday, 11/15	<ul style="list-style-type: none"> The physiology of electrochemical impulses and neural integration and trace the pathway of an impulse 	<ul style="list-style-type: none"> All objectives in NSI unit. 	TEST - Nervous	SAP 3b

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WEEK	DAY	CONCEPT	OBJECTIVES	INSTRUCTIONAL STRATEGIES	GPS
Week 16	Monday, 11/18	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> Protection & Structure of CNS 	<ul style="list-style-type: none"> Phineas Gage story p. 385 Notes on meninges & ventricles Lorenzo's Oil Hwk: Review spinal cord notes with accompanying note sheet 	SAP 3b
	Tuesday, 11/19	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> Illness, disease , & disorders Spinal Cord Structure & Function 	<ul style="list-style-type: none"> Trip Halstead Article Discuss EVD and shunt Review spinal cord & reflex notes Hwk: Lab 26 - Shier lab manual Lorenzo's Oil 	SAP 3b
	Wednesday, 11/20	<ul style="list-style-type: none"> The physiology of electrochemical impulses and neural integration and trace the pathway of an impulse 	<ul style="list-style-type: none"> Spinal Cord Structure & Function 	<ul style="list-style-type: none"> Reflex Lab Activity Lorenzo's oil Hwk: Read Manju story. 	SAP 3b
	Thursday, 11/21	<ul style="list-style-type: none"> The physiology of electrochemical impulses and neural integration and trace the pathway of an impulse 	<ul style="list-style-type: none"> Illness, disease, & disorders Protection & Structure of CNS 	<ul style="list-style-type: none"> Ch. 11 Quiz #1 Discuss Manju story Lorenzo's Oil Hwk: read green boxes and clinical applications on pp, 386-396. 	SAP 3b
	Friday, 11/22	<ul style="list-style-type: none"> The physiology of electrochemical impulses and neural integration and trace the pathway of an impulse 	<ul style="list-style-type: none"> Lobes of the brain Cerebral function 	<ul style="list-style-type: none"> Hemisphere dominance activity Pinky & The Brain song - video clip Lobes of the Brain & Cerebral Function notes with graphic organizer Human Brain dissection images Hwk: Lorenzo's Oil Assignment 	SAP 3b

THANKSGIVING BREAK!

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WEEK	DAY	CONCEPT	OBJECTIVES	INSTRUCTIONAL STRATEGIES	GPS
Week 17	Monday, 12/2	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> Brain Function 	<ul style="list-style-type: none"> CNS review sheet Complete function of parts of the brain notes - with graphic organizer 	SAP 3b
	Tuesday, 12/3	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> CNS structure & function 	<ul style="list-style-type: none"> Ch. 11 Quiz #2 Ch 11 Mastery Test Review for Performance Exam 	SAP 3b
	Wednesday, 12/4 Performance Essay SCIENCE & HEALTH/PE	PERFORMANCE EXAM		PERFORMANCE EXAM	
	Thursday, 12/5	<ul style="list-style-type: none"> The physiology of electrochemical impulses and neural integration and trace the pathway of an impulse 	<ul style="list-style-type: none"> Brain Structure Cranial nerve placement 	<ul style="list-style-type: none"> Connect the Dots Activity - brain function activity Sheep Brain Dissection 	SAP 3b
	Friday, 12/6	<ul style="list-style-type: none"> The physiology of electrochemical impulses and neural integration and trace the pathway of an impulse 	<ul style="list-style-type: none"> Brain Structure Cranial nerve placement 	<ul style="list-style-type: none"> Sheep Brain Dissection Illustrated Brain parts web diagram 	SAP 3b

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WEEK	DAY	CONCEPT	OBJECTIVES	INSTRUCTIONAL STRATEGIES	GPS
Week 18	Monday, 12/9	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> Sympathetic vs Parasympthetic function Illness, disease, & disorders 	<ul style="list-style-type: none"> Autonomic NS notes Drug Addition - Mouse Party Brain Review Crossword & Graphic Organizer 	SAP 3b
	Tuesday, 12/10	<ul style="list-style-type: none"> 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. 	All in the Nervous System II unit	TEST: Nervous System II <ul style="list-style-type: none"> Hwk: Read Ch 9 <i>Stiff</i> 	SAP 3b
	Wednesday, 12/11	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> Nervous system structure & function Brain transplants Medical ethics 	<ul style="list-style-type: none"> <i>Stiff</i> Ch. 9 Book Club Assignment 	SAP 3b
	Thursday, 12/12	All previously taught concepts	All previously taught objectives	Final Exam Review	
	Friday, 12/13	All previously taught concepts	All previously taught objectives	Final Exam Review	

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WEEK	DAY	CONCEPT	OBJECTIVES	INSTRUCTIONAL STRATEGIES	GPS
Week 19 Benchmark Week #3	Monday, 12/16	<ul style="list-style-type: none"> All previously taught concepts 	<ul style="list-style-type: none"> All previously taught objectives 	Final Exam Review	
	Tuesday, 12/17	Semester Exams (Benchmark #3) - 7th Period			
	Wednesday, 12/18	Semester Exams (Benchmark #3) - 1st & 2nd Periods			
	Thursday, 12/19	Semester Exams (Benchmark #3) - 3rd & 4th Periods			
	Friday, 12/20	Semester Exams (Benchmark #3) - 5th & 6th Periods			

End 1st Semester

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WEEK	DAY	CONCEPT	OBJECTIVES	INSTRUCTIONAL STRATEGIES	GPS
Week 1	Monday, 1/6	Professional Learning Day (Student Holiday)			
	Tuesday, 1/7	Assess the integration and coordination of body functions and their dependence on the endocrine and nervous systems to regulate physiological activities: <ul style="list-style-type: none"> Interpret interactions among hormones, senses, and nerves which make possible the coordination of functions of the body. 	<ul style="list-style-type: none"> General senses Illness, disease, & disorders 	<ul style="list-style-type: none"> CIPA article Notes on General Senses Optical illusion activity https://docs.google.com/presentation/d/1dDRx9a7M-1104Y13aTB35zvwTfrBeG1QruLk7AU0cg/present#slide=id.i27 Hwk: Review powerpoint on Taste and Smell using accompanying note sheet. 	SAP 3a
	Wednesday, 1/8	<ul style="list-style-type: none"> Interpret interactions among hormones, senses, and nerves which make possible the coordination of functions of the body. 	<ul style="list-style-type: none"> Taste buds Salivary glands Nose Olfactory cells 	<ul style="list-style-type: none"> Read green boxes and clinical applications on pp. 441-454 Taste video clip http://www.youtube.com/watch?v=aRNDI9XsNqQ PTC & Jelly Bean Lab - Sense of Taste Lab Hwk: Review notes on eye/sight using accompanying note sheet. 	SAP 3a
	Thursday, 1/9	<ul style="list-style-type: none"> Interpret interactions among hormones, senses, and nerves which make possible the coordination of functions of the body. 	<ul style="list-style-type: none"> Eye structure & function 	<ul style="list-style-type: none"> Eye labeling & crossword puzzle Colorblindness test Review structure and function of each part of the eye Eye review games http://www.wartgames.com/themes/humanbody/eye.html 	SAP 3a
	Friday, 1/10	<ul style="list-style-type: none"> Interpret interactions among hormones, senses, and nerves which make possible the coordination of functions of the body. 	<ul style="list-style-type: none"> Eye structure & function 	<ul style="list-style-type: none"> Sheep Eye dissection Lab 34 - Shier Lab Manual Hwk: Review Ear structure and Function powerpoint using accompanying note sheet. 	SAP 3a

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WEEK	DAY	CONCEPT	OBJECTIVES	INSTRUCTIONAL STRATEGIES	GPS
Week 2	Monday, 1/13	<ul style="list-style-type: none"> Interpret interactions among hormones, senses, and nerves which make possible the coordination of functions of the body. 	<ul style="list-style-type: none"> Illness, disease, & disorders Life-span changes 	<ul style="list-style-type: none"> Ch 12 Quiz 1 Emory Eye Clinic - Macular degeneration telescopic lens video Powerpoint & discussion of common eye illness, disease, & disorders. 	SAP 3a
	Tuesday, 1/14	<ul style="list-style-type: none"> Interpret interactions among hormones, senses, and nerves which make possible the coordination of functions of the body. 	<ul style="list-style-type: none"> All objectives in Special Senses unit 	<ul style="list-style-type: none"> Ear diagram - Label Structure and Function of Ear notes Cochlear implant video http://www.youtube.com/watch?v=SmNpP2fr57A 	SAP 3a
	Wednesday, 1/15	<ul style="list-style-type: none"> Interpret interactions among hormones, senses, and nerves which make possible the coordination of functions of the body. 	<ul style="list-style-type: none"> All objectives in Special Senses unit 	<ul style="list-style-type: none"> Read green boxes and clinical applications on pp. 467-482 Ch 12 Quiz 2 Ch. 12 Mastery Test 	SAP 3a
	Thursday, 1/16	<ul style="list-style-type: none"> Interpret interactions among hormones, senses, and nerves which make possible the coordination of functions of the body. 	<ul style="list-style-type: none"> All objectives in Special Senses unit 	<ul style="list-style-type: none"> Read green boxes and clinical applications on pp. 455-466 Senses Bingo Review Game 	SAP 3a
	Friday, 1/17	<ul style="list-style-type: none"> Interpret interactions among hormones, senses, and nerves which make possible the coordination of functions of the body. 	<ul style="list-style-type: none"> All objectives in Special Senses unit 	<p>TEST - Special Senses</p> <p>Hwk: Read Lance Armstrong/Blood Doping article</p>	SAP 3a

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WEEK	DAY	CONCEPT	OBJECTIVES	INSTRUCTIONAL STRATEGIES	GPS
Week 3	Monday, 1/20	MLK HOLIDAY			
	Tuesday, 1/21	Analyze the physical, chemical, and biological properties of process systems as these relate to transportation, absorption and excretion... cardiovascular system. <ul style="list-style-type: none"> Relationships between the respiratory and cardiovascular systems as they obtain oxygen needed for oxidation of nutrients and removal of carbon dioxide 	<ul style="list-style-type: none"> Blood composition Blood cell origin Red Blood Characteristics & Function 	<ul style="list-style-type: none"> Read Intro article on p. 529 Powerpoint notes on blood composition & origin RBC notes & discuss blood doping Comparison of Prepared Blood samples for Hematocrit 	SAP 4b
	Wednesday, 1/22	<ul style="list-style-type: none"> Relationships between the respiratory and cardiovascular systems as they obtain oxygen needed for oxidation of nutrients and removal of carbon dioxide 	<ul style="list-style-type: none"> White Blood Cell Characteristics & Function 	<ul style="list-style-type: none"> Read green boxes and clinical applications on pp. 532-536 Cell Hunt activity - prepared blood slides Lab 37 (old32) - Shier Lab Manual Hwk: Review WBC powerpoint with accompanying note sheet 	SAP 4b
	Thursday, 1/23	<ul style="list-style-type: none"> Relationships between the respiratory and cardiovascular systems as they obtain oxygen needed for oxidation of nutrients and removal of carbon dioxide 	<ul style="list-style-type: none"> Blood Cell Identification Illness, disease, & disorders 	<ul style="list-style-type: none"> Read green boxes and clinical applications on pp. 537-544 Review WBC structure and function Blood Sample Diagnosis activity 	SAP 4b
	Friday, 1/24	<ul style="list-style-type: none"> Relationships between the respiratory and cardiovascular systems as they obtain oxygen needed for oxidation of nutrients and removal of carbon dioxide 	<ul style="list-style-type: none"> Hemostasis 	<ul style="list-style-type: none"> Blood Quiz 1 - cell David Bloom article Powerpoint notes on Blood Clotting 	SAP 4b

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WEEK	DAY	CONCEPT	OBJECTIVES	INSTRUCTIONAL STRATEGIES	GPS
Week 4	Monday, 1/27	<ul style="list-style-type: none"> Relationships between the respiratory and cardiovascular systems as they obtain oxygen needed for oxidation of nutrients and removal of carbon dioxide 	<ul style="list-style-type: none"> Blood Antigens Blood Antibodies 	<ul style="list-style-type: none"> Read green boxes & clinical application on pp. 546-555 ABO Blood Types & Distribution handout Blood type powerpoint notes Interactive Blood type practice http://www.gwc.maricopa.edu/class/bio202/Hematology/ABO/ABO_Typing_00.htm 	SAP 4b
	Tuesday, 1/28	<ul style="list-style-type: none"> Relationships between the respiratory and cardiovascular systems as they obtain oxygen needed for oxidation of nutrients and removal of carbon dioxide 	<ul style="list-style-type: none"> Blood antigens Blood antibodies 	<ul style="list-style-type: none"> Blood Typing Lab Lab 39 (old 34) - Shier Lab Manual Blood concept map & crossword 	SAP 4b
	Wednesday, 1/29	<ul style="list-style-type: none"> Relationships between the respiratory and cardiovascular systems as they obtain oxygen needed for oxidation of nutrients and removal of carbon dioxide 	<ul style="list-style-type: none"> Blood typing Blood transfusions 	Blood Quiz 2 - blood types Ch 14 Mastery Test Powerpoint notes on blood transfusions & "Rh babies"	SAP 4b
	Thursday, 1/30	<ul style="list-style-type: none"> Relationships between the respiratory and cardiovascular systems 	<ul style="list-style-type: none"> Blood typing Blood transfusions 	Blood type and heart attack risk article Blood Donation/Safe Transfusions article Blood Transfusion practice	SAP 4b
	Friday, 1/31	<ul style="list-style-type: none"> Relationships between the respiratory and cardiovascular systems ... 	<ul style="list-style-type: none"> All in the Blood unit 	TEST - Blood Hwk: Read Ch 8 <i>Stiff</i>	SAP 4b

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WEEK	DAY	CONCEPT	OBJECTIVES	INSTRUCTIONAL STRATEGIES	GPS
Week 5	Monday, 2/3	Relationships between the respiratory and cardiovascular systems as they obtain oxygen needed for oxidation of nutrients and removal of carbon dioxide	<ul style="list-style-type: none"> Heart Structure 	<ul style="list-style-type: none"> Ch 8 <i>Stiff</i> Book Club assignment Pig Heart - observation of pericardium Powerpoint notes - Heart Structure Hwk: Heart Labeling game http://www.purposegames.com/game/label-the-heart-quiz 	SAP 4b
	Tuesday, 2/4	Relationships between the respiratory and cardiovascular systems as they obtain oxygen needed for oxidation of nutrients and removal of carbon dioxide	<ul style="list-style-type: none"> Heart Structure 	<ul style="list-style-type: none"> Read green boxes and clinical applications on pp. 560-569 Daphnia Heart Beat Lab Heart Color Sheets Pig Heart - observation of internal structures Hwk: Lab 40 - Shier Lab Manual 	SAP 4b
	Wednesday, 2/5 Performance Essay ENGLISH & FINE ARTS	Relationships between the respiratory and cardiovascular systems as they obtain oxygen needed for oxidation of nutrients and removal of carbon dioxide	<ul style="list-style-type: none"> Heart Function 	<ul style="list-style-type: none"> Heart Structure Quiz Blood Flow Song - Bruno Mars Song http://www.youtube.com/watch?v=SvAVu-7E2gA Powerpoint notes - Blood Flow Heart Actions Animation http://www.youtube.com/watch?v=Rj_qD0SEGGk 	SAP 4b
	Thursday, 2/6	Relationships between the respiratory and cardiovascular systems	<ul style="list-style-type: none"> Heart Function 	<ul style="list-style-type: none"> Read green boxes and clinical applications on pp. 571-576. Circulatory Rap - Blood Flow http://www.youtube.com/watch?v=KSbbDnbSEyM Heart Sounds activity (Stethoscopes) Heartbeat worksheet (edited version) 	SAP 4b
	Friday, 2/7	Relationships between the respiratory and cardiovascular systems	<ul style="list-style-type: none"> Heart Conduction system Illness, disorders, & disease 	<ul style="list-style-type: none"> Blood Flow Quiz Heart Conduction and EKG notes Pacemaker illustration Heart Attack in Men vs Women article 	SAP 4b

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WEEK	DAY	CONCEPT	OBJECTIVS	INSTRUCTIONAL STRATEGIES	GPS
Week 6 Benchmark #1	Monday, 2/10 ELECTIVES	<ul style="list-style-type: none"> All previously taught concepts 	<ul style="list-style-type: none"> All previously taught objectives 	<ul style="list-style-type: none"> Practice Reading EKG strips Vernier - EKG Lab activity Review for Benchmark 	SAP 4b
	Tuesday, 2/11 SCIENCE	<ul style="list-style-type: none"> All previously taught concepts 	<ul style="list-style-type: none"> All previously taught objectives 	BENCHMARK EXAM	SAP 4b
	Wednesday, 2/12 SOCIAL STUDIES	<ul style="list-style-type: none"> Relationships between the respiratory and cardiovascular systems as they obtain oxygen needed for oxidation of nutrients and removal of carbon dioxide 	Heart conduction system	<ul style="list-style-type: none"> Vernier EKG Lab activity Abnormal EKG Lab activity Lab 41 - Shier Lab Manual 	SAP 4b
	Thursday, 2/13 ENGLISH	<ul style="list-style-type: none"> Relationships between the respiratory and cardiovascular systems as they obtain oxygen needed for oxidation of nutrients and removal of carbon dioxide 	<ul style="list-style-type: none"> Blood Vessel Structure & Function Blood Pressure 	<ul style="list-style-type: none"> Read green boxes and clinical applications on pp. 580-593 Powerpoint notes - Blood Vessels Assemble Blood Vessel Models Practice with Sphygmomanometers Blood Vessels Venn Diagrams 	SAP 4b
	Friday, 2/14 MATH	<ul style="list-style-type: none"> Relationships between the respiratory and cardiovascular systems as they obtain oxygen needed for oxidation of nutrients and removal of carbon dioxide 	<ul style="list-style-type: none"> Blood Vessel Identification Illness, disorders, & disease 	<ul style="list-style-type: none"> Read green boxes and clinical applications on pp. 594-620. Angioplasty video clip: http://www.youtube.com/watch?v=4EJLQ7fkzcc Lab 42 - Shier Lab Manual Hwk: Ch 15 Mastery Test 	SAP 4b

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WEEK	DAY	CONCEPT	OBJECTIVES	INSTRUCTIONAL STRATEGIES	GPS
Week 7	Monday, 2/17	Winter Holiday!			
	Tuesday, 2/18	Professional Learning Day			
	Wednesday, 2/19	<ul style="list-style-type: none"> Relationships between the respiratory and cardiovascular systems as they obtain oxygen needed for oxidation of nutrients and removal of carbon dioxide 	<ul style="list-style-type: none"> Blood vessel Identification Illness, disorders, & disease 	<ul style="list-style-type: none"> Aneurism video clip http://cardiac-surgery.med.nyu.edu/conditions-we-treat/aortic-aneurysm Lab 44 - Shier Lab Manual 	SAP 4b
	Thursday, 2/20	<ul style="list-style-type: none"> Relationships between the respiratory and cardiovascular systems as they obtain oxygen needed for oxidation of nutrients and removal of carbon dioxide 	<ul style="list-style-type: none"> Blood Vessel Identification 	<ul style="list-style-type: none"> Cat Dissection - Blood Vessels 	SAP 3b
	Friday, 2/21	<ul style="list-style-type: none"> Relationships between the respiratory and cardiovascular systems as they obtain oxygen needed for oxidation of nutrients and removal of carbon dioxide 	<ul style="list-style-type: none"> All objectives in Cardiovascular Unit 	TEST: Cardiovascular System	SAP 4b

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WEEK	DAY	CONCEPT	OBJECTIVES	INSTRUCTIONAL STRATEGIES	GPS
Week 8	Monday, 2/24	Analyze the physical, chemical, and biological properties of process systems as these relate to transportation, absorption and excretion...digestive system	Structure & Function of <ul style="list-style-type: none"> • Mouth • Teeth • Esophagus • Stomach 	<ul style="list-style-type: none"> • How Long is the Digestive System activity • Digestive System Alimentary Canal Notes - Mouth to Stomach • Hwk: Digestive System Color Sheets 	SAP 4a
	Tuesday, 2/25	<ul style="list-style-type: none"> • Chemical and physical mechanisms of digestion, elimination, transportation, and absorption within the body to change food and derive energy 	Structure & Function of <ul style="list-style-type: none"> • Small intestines • Large intestines 	<ul style="list-style-type: none"> • Match the Interesting Facts about the Digestive System • Digestive System Alimentary Canal notes - Small Intestines to Anus • Alimentary canal video clip http://www.youtube.com/watch?v=yQHx9WEfT-Y • Read green boxes and clinical applications on pp. 664-683. 	SAP 4a
	Wednesday, 2/26 Performance Essay SOCIAL STUDIES & CTAE	<ul style="list-style-type: none"> • Chemical and physical mechanisms of digestion, elimination, transportation, and absorption within the body to change food and derive energy 	<ul style="list-style-type: none"> • All objectives of digestive system unit 	<ul style="list-style-type: none"> • Alimentary Canal quiz • Introduce Digestive System project • Project Instruction handouts • Group planning project group planning time 	SAP 4a
	Thursday, 2/27	<ul style="list-style-type: none"> • Chemical and physical mechanisms of digestion, elimination, transportation, and absorption within the body to change food and derive energy 	Structure & Function of <ul style="list-style-type: none"> • Salivary glands • Pancreas • Liver • Gallbladder 	Read green boxes and clinical application on pp. 685-707. Digestive System Accessory Organs notes Hwk: Digestive system project	SAP 4a
	Friday, 2/28	<ul style="list-style-type: none"> • Chemical and physical mechanisms of digestion, elimination, transportation, and absorption within the body 	<ul style="list-style-type: none"> • All objectives of digestive system unit 	<ul style="list-style-type: none"> • Digestive System Square Puzzle • Digestive System Project group work time 	SAP 4a

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WEEK	DAY	CONCEPT	OBJECTIVES	INSTRUCTIONAL STRATEGIES	GPS
Week 9	Monday, 3/3	<ul style="list-style-type: none"> Chemical and physical mechanisms of digestion, elimination, transportation, and absorption within the body to change food and derive energy 	<ul style="list-style-type: none"> Illness, disease, & disorders 	<ul style="list-style-type: none"> Lab 47 - Shier Lab Manual Digestive illnesseses -video clips http://daveproject.org/stomach-gastric-ulcer-visible-vessel/2005-11-08/ Digestive System Project group work time 	SAP 4a
	Tuesday, 3/4	<ul style="list-style-type: none"> Chemical and physical mechanisms of digestion, elimination, transportation, and absorption within the body to change food and derive energy 	<ul style="list-style-type: none"> Identification of digestive organs 	<ul style="list-style-type: none"> Cat Dissection 	SAP 4a
	Wednesday, 3/5	<ul style="list-style-type: none"> Chemical and physical mechanisms of digestion, elimination, transportation, and absorption within the body to change food and derive energy 	<ul style="list-style-type: none"> Identification of digestive organs 	<ul style="list-style-type: none"> Cat Dissection 	SAP 4a
	Thursday, 3/6	<ul style="list-style-type: none"> Chemical and physical mechanisms of digestion, elimination, transportation, and absorption within the body to change food and derive energy 	All objectives of digestive system unit	<ul style="list-style-type: none"> Digestive System Crossword Digestive System Project group work time 	SAP 4a
	Friday, 3/7	<ul style="list-style-type: none"> Chemical and physical mechanisms of digestion, elimination, transportation, and absorption within the body to change food and derive energy 	All objectives of digestive system unit	<ul style="list-style-type: none"> Digestive System Review sheets Digestive System Project group work time 	SAP 4a

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WEEK	DAY	CONCEPT	OBJECTIVES	INSTRUCTIONAL STRATEGIES	GPS
Week 10	Monday, 3/10	<ul style="list-style-type: none"> Chemical and physical mechanisms of digestion, elimination, transportation, and absorption within the body to change food and derive energy 	<ul style="list-style-type: none"> All objectives of digestive system unit 	Digestive System Review activity/game Digestive System Project Group work time	SAP 4a
	Tuesday, 3/11	<ul style="list-style-type: none"> Chemical and physical mechanisms of digestion, elimination, transportation, and absorption within the body to change food and derive energy 	<ul style="list-style-type: none"> All objectives of digestive system unit 	TEST - Digestive System	SAP 4a
	Wednesday, 3/12	<ul style="list-style-type: none"> Chemical and physical mechanisms of digestion, elimination, transportation, and absorption within the body to change food and derive energy 	<ul style="list-style-type: none"> Enzyme Action 	Action of Enzymes Lab Activity	SAP 4a
	Thursday, 3/13	<ul style="list-style-type: none"> Chemical and physical mechanisms of digestion, elimination, transportation, and absorption within the body to change food and derive energy 	<ul style="list-style-type: none"> Enzyme Action 	Digestive System Project Due Complete Enzyme Lab	SAP 4a
	Friday, 3/14	Professional Learning (Student Holiday)			

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WEEK	DAY	CONCEPT	OBJECTIVES	INSTRUCTIONAL STRATEGIES	GPS
Week 11	Monday, 3/17	Analyze the physical, chemical, and biological properties of process systems as these relate to transportation, absorption and excretion...urinary (excretory) system <ul style="list-style-type: none"> Role of the urinary system to regulation of body wastes. 	<ul style="list-style-type: none"> Urinary System organs and function Kidney structure 	<ul style="list-style-type: none"> Label the Urinary System structures activity - edhelper sheet Powerpoint notes - kidney structure Read green boxes and clinical applications on pp. 792-796. Hwk: Nephron & Urine Formation Questions 	SAP4c
	Tuesday, 3/18	<ul style="list-style-type: none"> Role of the urinary system to regulation of body wastes. 	<ul style="list-style-type: none"> Kidney function 	<ul style="list-style-type: none"> Kidney Color Sheets Urine formation Demo Powerpoint notes - The nephron Kidney structure & Function video clip: http://www.youtube.com/watch?v=lfGYd1wrTgE&feature=c4-overview&playnext=1&list=TLESHuvjVnHao Hwk: Interactive Urinary System Labeling activity http://www.neok12.com/diagram/Urinary-System-01.htm 	SAP 4c
	Wednesday, 3/19 Performance Essay MATH & FOREIGN LANG	<ul style="list-style-type: none"> Role of the urinary system to regulation of body wastes. 	<ul style="list-style-type: none"> Illness, disease, & disorders 	<ul style="list-style-type: none"> Urinary System Wordsearch & Crossword CAPD patient - guest speaker Develop concept map of glomerular function HWK: Read green boxes and clinical applications on pp. 800-815. 	SAP 4c
	Thursday, 3/20 Professional Learning Early Release	<ul style="list-style-type: none"> Role of the urinary system to regulation of body wastes. 	<ul style="list-style-type: none"> Kidney structure & function 	<ul style="list-style-type: none"> Demo - Kidney Dissection Kidney & Nephron review sheet HWK: Read green boxes and clinical applications on pp. 816-821.. 	SAP 4c
	Friday, 3/21 Professional Learning Early Release	<ul style="list-style-type: none"> Role of the urinary system to regulation of body wastes. 	<ul style="list-style-type: none"> Bladder Ureters Urethra 	<ul style="list-style-type: none"> Kidney Structure & Function Quiz Powerpoint notes - bladder, tubes, & micturation 	SAP 4c

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WEEK	DAY	CONCEPT	OBJECTIVES	INSTRUCTIONAL STRATEGIES	GPS
Week 12 Benchmark #2 (Friday)	Monday, 3/24	<ul style="list-style-type: none"> Role of the urinary system to regulation of body wastes. 	<ul style="list-style-type: none"> Kidney Function 	<ul style="list-style-type: none"> Ch 20 Mastery Test "Tinkle Testing" Lab activity 	SAP 4c
	Tuesday, 3/25	<ul style="list-style-type: none"> Role of the urinary system to regulation of body wastes. 	<ul style="list-style-type: none"> Kidney Function Illness, disease, disorders 	<ul style="list-style-type: none"> "Tinkle Testing" Lab activity day 2 Medical Decisions Activity - kidney transplants 	SAP 4c
	Wednesday, 3/26	<ul style="list-style-type: none"> Role of the urinary system to regulation of body wastes. 	<ul style="list-style-type: none"> All in the urinary system unit 	<ul style="list-style-type: none"> Medical Decisions - presentation Urinary System review game - "Kidney Failure" 	SAP 4c
	Thursday, 3/27	<ul style="list-style-type: none"> Role of the urinary system to regulation of body wastes. 	<ul style="list-style-type: none"> All in the urinary system unit 	<ul style="list-style-type: none"> TEST: Urinary System 	SAP 4c
	Friday, 3/28 ELECTIVES	<p>Role of the reproductive system as it pertains to the growth and development of humans.</p> <ul style="list-style-type: none"> How the functions of the reproductive organs are regulated by hormonal interactions 	<ul style="list-style-type: none"> Male reproductive organs Male reproductive glands 	<ul style="list-style-type: none"> Word that doesn't belong - intro activity Male Reproductive structures - powerpoint notes HPV vaccination article Hwk: Male reproductive structures review sheet 	SAP 5a

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WEEK	DAY	CONCEPT	OBJECTIVES	INSTRUCTIONAL STRATEGIES	GPS
Week 13 Benchmark #2 (Monday - Thursday)	Monday, 3/31 MATH	<ul style="list-style-type: none"> How the functions of the reproductive organs are regulated by hormonal interactions 	<ul style="list-style-type: none"> Androgens 	<ul style="list-style-type: none"> Read green boxes and clinical applications on pp. 848- 862 Hormonal Control - Male Review for Benchmark Exam 	SAP 5a
	Tuesday, 4/1 SCIENCE	<ul style="list-style-type: none"> How the functions of the reproductive organs are regulated by hormonal interactions 		BENCHMARK EXAM	SAP 5a
	Wednesday, 4/2 SOCIAL STUDIES	<ul style="list-style-type: none"> How the functions of the reproductive organs are regulated by hormonal interactions 	<ul style="list-style-type: none"> Female reproductive structures 	<ul style="list-style-type: none"> Caster Semenya - Olympic runner - hermaphrodite article Female Reproductive structures - powerpoint notes Hwk: Read green boxes and clinical applications on pp. 863-883 	SAP 5a
	Thursday, 4/3 ENGLISH	<ul style="list-style-type: none"> How the functions of the reproductive organs are regulated by hormonal interactions 	<ul style="list-style-type: none"> Female hormones Menstrual cycle 	<ul style="list-style-type: none"> Build the best reproductive system activity - working in small group & from supplies in a bag Hormonal Control powerpoint notes- female Female Reproductive system review sheet 	SAP 5a
	Friday, 4/4 Buford's Got Talent	<ul style="list-style-type: none"> How the functions of the reproductive organs are regulated by hormonal interactions 		Reproductive System quiz ????	SAP 5a

SPRING BREAK!

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WEEK	DAY	CONCEPT	OBJECTIVES	INSTRUCTIONAL STRATEGIES	GPS
Week 14	Monday, 4/14	<ul style="list-style-type: none"> How the functions of the reproductive organs are regulated by hormonal interactions 	<ul style="list-style-type: none"> Reproductive structures Hormonal Control 	<ul style="list-style-type: none"> Hormonal control drag-n-drop activity http://resource.rockyview.ab.ca/t4t/bio30/mm/m3/bio30_m3_l7_03_hormone/bio30_m3_l7_03_hormone.html Lab 57 & 58 - Shier Lab Manual 	SAP 5a
	Tuesday, 4/15	<ul style="list-style-type: none"> How the functions of the reproductive organs are regulated by hormonal interactions 	<ul style="list-style-type: none"> Reproductive structures Hormonal Control 	<ul style="list-style-type: none"> Reproductive systems quiz Cat dissection - reproductive and urinary systems Hwk: Ch 22 Mastery Test 	SAP 5a
	Wednesday, 4/16	<ul style="list-style-type: none"> The stages of human embryology and gestation including investigation of gestational and congenital disorders The stages of development from birth to adulthood 	<ul style="list-style-type: none"> Fertilization Conception Embryonic Development 	<ul style="list-style-type: none"> ARTS risk article http://www.sciencedaily.com/releases/2012/05/120505130923.htm Fertilization and Embryonic Development powerpoint notes Fertilization video clip: http://www.youtube.com/watch?v=5OvgQW6FG4 	SAP 5b SAP 5c
	Thursday, 4/17	<ul style="list-style-type: none"> The stages of human embryology and gestation including investigation of gestational and congenital disorders The stages of development from birth to adulthood 	<ul style="list-style-type: none"> Fetal Development 	<ul style="list-style-type: none"> womb care activity Human Fetal Development handout Fetal Development powerpoint notes Hwk: Read green boxes and clinical applications on pp. 894 - 913. 	SAP 5b SAP 5c
	Friday, 4/18	<ul style="list-style-type: none"> The stages of human embryology and gestation including investigation of gestational and congenital disorders The stages of development from birth to adulthood 	<ul style="list-style-type: none"> Fetal Development Abortion 	<ul style="list-style-type: none"> Georgia Abortion Law handout What is the fetal age? - review game Lab 60 - Shier Lab Manual 	SAP 5b SAP 5c

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WEEK	DAY	CONCEPT	OBJECTIVES	INSTRUCTIONAL STRATEGIES	GPS
Week 15	Monday, 4/21	<ul style="list-style-type: none"> The stages of human embryology and gestation including investigation of gestational and congenital disorders The stages of development from birth to adulthood 	<ul style="list-style-type: none"> Labor Delivery 	<ul style="list-style-type: none"> Read green boxes and clinical applications on pp. 916 - 932. Stages of Labor & Delivery powerpoint notes http://www.babycenter.com/2_inside-pregnancy-labor-and-birth_3658872.bc Demo - Dissection of pregnant rat 	SAP 5b SAP 5c
	Tuesday, 4/22	<ul style="list-style-type: none"> The stages of human embryology and gestation including investigation of gestational and congenital disorders The stages of development from birth to adulthood 	<ul style="list-style-type: none"> Newborn & Infant development 	<ul style="list-style-type: none"> Growth & Development Quiz c-section video clip http://www.youtube.com/watch?v=6gS-FDTMpvo APGAR handout Review for Performance Essay 	SAP 5b SAP 5c
	Wednesday, 4/23 Performance Essay SCIENCE & HEALTH/PE			Performance Essay	
	Thursday, 4/24			Bodies Exhibit Field Trip	
	Friday, 4/25	<ul style="list-style-type: none"> The stages of human embryology and gestation including investigation of gestational and congenital disorders The stages of development from birth to adulthood 	All in Reproductive System unit	<ul style="list-style-type: none"> Memory Match Reproductive structures - review game Ch. 23 Mastery Test Hwk: Stone baby http://www.youtube.com/watch?v=zOkOGsxEhXk 	SAP 5b SAP 5c

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WEEK	DAY	CONCEPT	OBJECTIVES	INSTRUCTIONAL STRATEGIES	GPS
Week 16	Monday, 4/28	<ul style="list-style-type: none"> How the functions of the reproductive organs are regulated by hormonal interactions The stages of human embryology and gestation including investigation of gestational and congenital disorders The stages of development from birth to adulthood 	<ul style="list-style-type: none"> Illness, disorders & disease 	<ul style="list-style-type: none"> hutchinson-gilford progeria syndrome video clip http://www.youtube.com/watch?v=nBg75vJ8v3A Conjoined Twins pictures http://www.cbsnews.com/2300-204_162-10009440-18.html Words with Friends review game 	SAP 5a SAP 5b SAP 5c
	Tuesday, 4/29		All in the Reproductive System unit	TEST: Reproductive System Hwk: Read Ch 7 <i>Stiff</i>	
	Wednesday, 4/30	Analyze the physical, chemical, and biological properties of process systems as these relate to transportation, absorption and excretion... respiratory system. <ul style="list-style-type: none"> Relationships between the respiratory and cardiovascular systems as they obtain oxygen needed for oxidation of nutrients and removal of carbon dioxide 	<ul style="list-style-type: none"> Respiratory organ structure 	<ul style="list-style-type: none"> Ch 7 <i>Stiff</i> - Book Club Assignment Alveoli & Lung color sheet Respiratory System structure powerpoint notes 	SAP 4b
	Thursday, 5/1	<ul style="list-style-type: none"> Relationships between the respiratory and cardiovascular systems as they obtain oxygen needed for oxidation of nutrients and removal of carbon dioxide 	<ul style="list-style-type: none"> Lung Function 	<ul style="list-style-type: none"> Respiratory structure crossword puzzle Create models of working lungs Lung function powerpoint notes 	SAP 4b
	Friday, 5/2	<ul style="list-style-type: none"> Relationships between the respiratory and cardiovascular systems as they obtain oxygen needed for oxidation of nutrients and removal of carbon dioxide 	<ul style="list-style-type: none"> Lung Function 	Read green boxes and clinical applications on pp. 753-760. Lung Function lab activity - Vernier	SAP 4b

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WEEK	DAY	CONCEPT	OBJECTIVES	INSTRUCTIONAL STRATEGIES	GPS
Week 17	Monday, 5/5	<ul style="list-style-type: none"> Relationships between the respiratory and cardiovascular systems as they obtain oxygen needed for oxidation of nutrients and removal of carbon dioxide 	<ul style="list-style-type: none"> Respiratory System Structure and Function 	<ul style="list-style-type: none"> Respiratory Quiz Bowl http://anatomy.software.umn.edu/index.html?sysID=Respirat&catID=ResGenrl&qLevel=100 Finish Lung Function Lab activity - Vernier 	SAP 4b
	Tuesday, 5/6	<ul style="list-style-type: none"> Relationships between the respiratory and cardiovascular systems as they obtain oxygen needed for oxidation of nutrients and removal of carbon dioxide 	<ul style="list-style-type: none"> Illness, disease, and disorder 	<ul style="list-style-type: none"> Read Article on E-cig http://www.medicalnewstoday.com/articles/249784.php Demo lung disease – students breath through regular straw and then through coffee stirring straw Ch 19 Mastery Test 	SAP 4b
	Wednesday, 5/7	<ul style="list-style-type: none"> Relationships between the respiratory and cardiovascular systems as they obtain oxygen needed for oxidation of nutrients and removal of carbon dioxide 	<ul style="list-style-type: none"> Respiratory System Structure and Function 	<ul style="list-style-type: none"> Read green boxes and clinical applications on pp, 767-784 Drag-n-Drop Respiratory Structure Review game http://www.neok12.com/diagram/Respiratory-System-01.htm Lab 50 & 52 - Shier Lab manual 	SAP 4b
	Thursday, 5/8			Test: Respiratory System	SAP 4b
	Friday, 5/9	All Human Anatomy & Physiology concepts previously taught	All objectives previously taught	Anatomy Case Studies - application of all concepts	
AP Exams Monday, 5/5 - AP Chem (AM), AP Enviro Science (AM), and AP Psych(PM) Wednesday, 5/7 - AP Calculus (AM) Thursday, 5/8 - AP English Literature (AM) Friday, 5/9 - AP English Language (AM), AP Art (AM), and AP Statistics (PM)				Career Pathways Testing Tuesday, 5/6 Make-Up Exams As Needed	

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WEEK	DAY	CONCEPT	OBJECTIVES	INSTRUCTIONAL STRATEGIES	GPS
Week 18	Monday, 5/12	• All Human Anatomy & Physiology concepts previously taught	• All objectives previously taught	Anatomy Case Studies - application of all concepts	
	Tuesday, 5/13	• All Human Anatomy & Physiology concepts previously taught	• All objectives previously taught	Anatomy Case Studies - application of all concepts	
	Wednesday, 5/14	• All Human Anatomy & Physiology concepts previously taught	• All objectives previously taught	Final Exam Review	
	Thursday, 5/15	• All Human Anatomy & Physiology concepts previously taught	• All objectives previously taught	Final Exam Review	
	Friday, 5/16	• All Human Anatomy & Physiology concepts previously taught	• All objectives previously taught	Final Exam Review	
AP Exams Monday, May 12 - AP Biology (AM) and AP Music Theory (AM) Tuesday, May 13 - AP Government (AM) and AP Human Geography (PM) Wednesday, May 15 - AP US History (AM) Thursday, May 16 - AP Macroeconomics (AM) and AP World History (AM)				EOCTs Thursday, 5/15 - Economics Friday, 5/16 - 9 th Lit & Comp, American Lit & Comp, & Analytic Geometry (Other EOCTs will be given during Semester Exam periods.)	

WEEK	DAY	CONCEPT	OBJECTIVES	INSTRUCTIONAL STRATEGIES	STANDARDS (CCGPS, GPS, AP)
Week 19 Benchmark #3	Monday, 5/19	Senior Exams (Benchmark #3 - 4 th , 5 th , 6 th , & 7 th)			
	Tuesday, 5/20	Senior Exams (Benchmark #3 - 1 st , 2 nd , & 3 rd) / Semester Exams (Benchmark #3 - 7 th)			
	Wednesday, 5/21	Semester Exams (Benchmark #3 - 1 st & 2 nd)			
	Thursday, 5/22	Semester Exams (Benchmark #3 - 3 rd & 4 th)			
	Friday, 5/23	Semester Exams (Benchmark #3 - 5 th & 6 th)			

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