

**Biology Day by Day Organizer: UNITS 10, 11, and 12: PLANTS, BODY SYSTEMS, and ANIMAL KINGDOM AND DISSECTIONS**

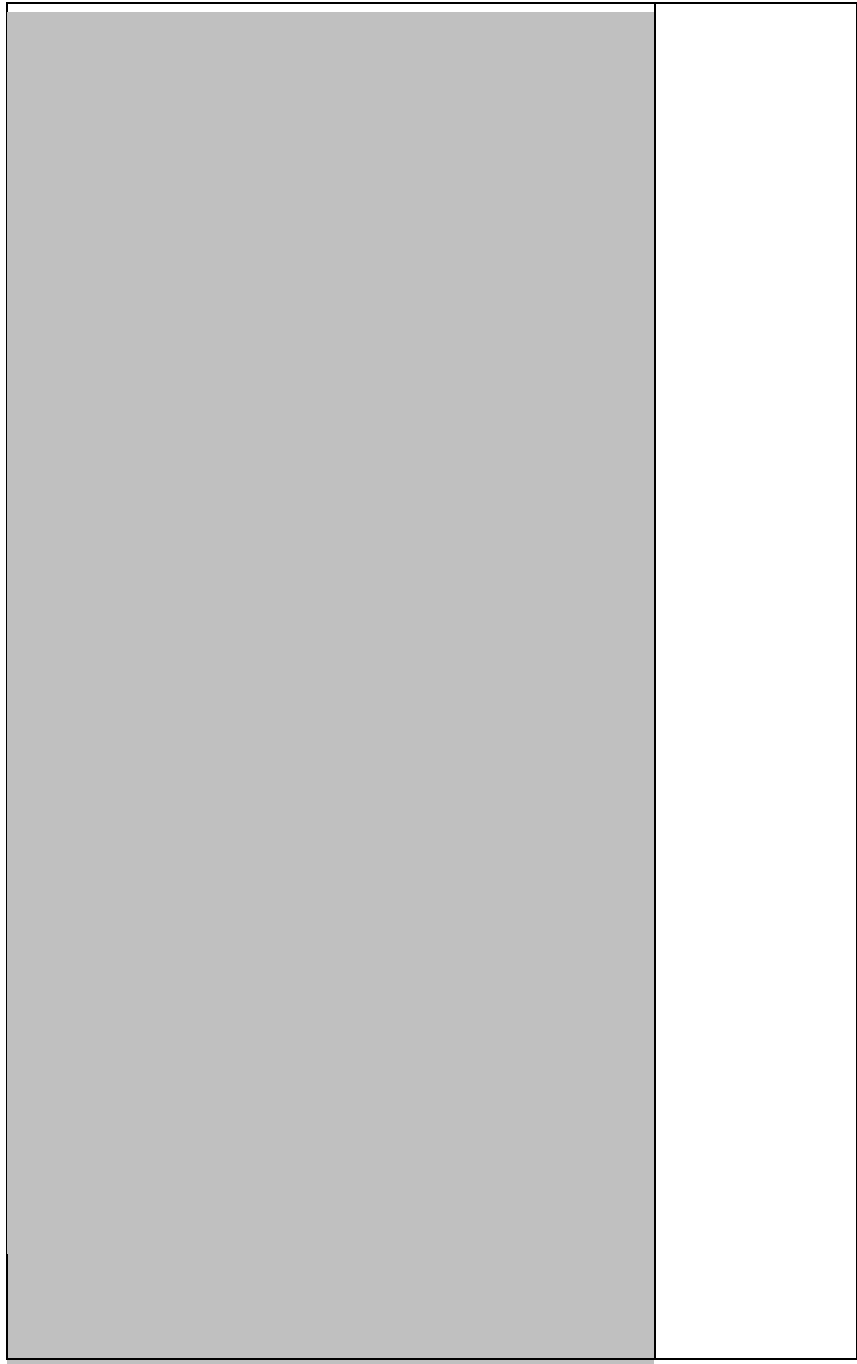
<b><u>SPECIFICITIES AND DATES THESE ARE TAUGHT (Blue are tested TEKS)</u></b>	<b><u>Date of lesson to be taught</u></b>	<b><u>TEKS (Number and Letter of SE only) Highlight the tested TEKS</u></b>	<b><u>Content (Lesson)</u></b>	<b><u>Resource (CSCOPE, Textbook w/ page number, or additional material)</u></b>	<b><u>A/R (Place an A or an R in this area for Addition or Replacement for CSCOPE)</u></b>	<b><u>Comments</u></b>	<b><u>10<sup>th</sup> and 11<sup>th</sup> grade TAKS</u></b>
<p><b>Unit 11 Specificities</b> (TEKS 5a, 5b, <b>10a, 10b</b>, 11a, 11b, 11c)</p> <p><b>Compare (Contrast)</b> CELLS FROM DIFFERENT PARTS OF PLANTS AND ANIMALS SPECIALIZATION OF STRUCTURE AND FUNCTION Including, but not limited to:</p> <ul style="list-style-type: none"> <li>• compare and contrast plant and animal cells 3/3</li> <li>• plant</li> <li>• roots</li> <li>• stems</li> <li>• leaves</li> <li>• flowers</li> <li>• seeds</li> <li>• cones</li> <li>• animal 3/3, 3/6</li> <li>• epithelia 3/3</li> <li>• muscles 3/5</li> <li>• bones 3/5</li> <li>• neurons 3/12</li> <li>• sex cells</li> </ul> <p><b>Identify</b> CELL DIFFERENTIATION IN THE DEVELOPMENT OF ORGANISMS Including, but not limited to:</p> <ul style="list-style-type: none"> <li>• embryonic stem cells</li> </ul> <p><b>Interpret</b> FUNCTION OF SYSTEMS IN ORGANISMS Including, but not limited to:</p> <ul style="list-style-type: none"> <li>• circulatory 3/24</li> <li>• digestive 3/9</li> <li>• nervous 3/12</li> <li>• endocrine 3/10</li> <li>• reproductive (varies on type of organism)</li> </ul>	3/2		Unit 10 Test: Plants	N/A	A: Teacher generated test		
	3/3	5a, 10a, 10b, 11a, 11b, 11c	-Integumentary system lecture - Skin Wksht	-Text ch. 34, p. 894 -Skin coloring wksht -CSCOPE UNIT 11	A	-Wksht located on CSCOPE under worksheets for 5 <sup>th</sup> and 6 <sup>th</sup> 6 weeks -CSCOPE has very little information regarding human systems	
	3/4	5a, 10a, 10b, 11a, 11b, 11c	LTF Sensory Lab and Fingerprint lab	-LTF Lab book -Text p. 895 -CSCOPE UNIT 11	A		
	3/5	5a, 5b, 10a, 10b, 11c	-Skeletal System Lecture -Skeleton wksht	-text ch. 34.2 (899) -skeleton wksht -CSCOPE UNIT 11	A	Wksht located on CSCOPE under worksheets for 5 <sup>th</sup> 6 weeks -CSCOPE has very little information regarding human systems	
	3/6	5a, 10a, 10b, 11c	-muscle lecture -prepared slides	-Text ch. 34.3 (905) -CSCOPE UNIT 11	A	Need to order prepared slides (call Robert) -CSCOPE has very little information regarding human systems	
	3/9	10a, 10b	-Digestive system lecture -Digestive wksht	-Text ch. 35.1(917) -Digestion wksht -CSCOPE UNIT 11	A	Wksht located on CSCOPE under worksheets for 5 <sup>th</sup> 6 weeks -CSCOPE has very little information regarding human systems	
	3/10	5a, 10a, 10b, 11c	Endocrine System Lecture	Text ch. 35.3 (929) -CSCOPE UNIT 11	A	-CSCOPE has very little information regarding human systems	

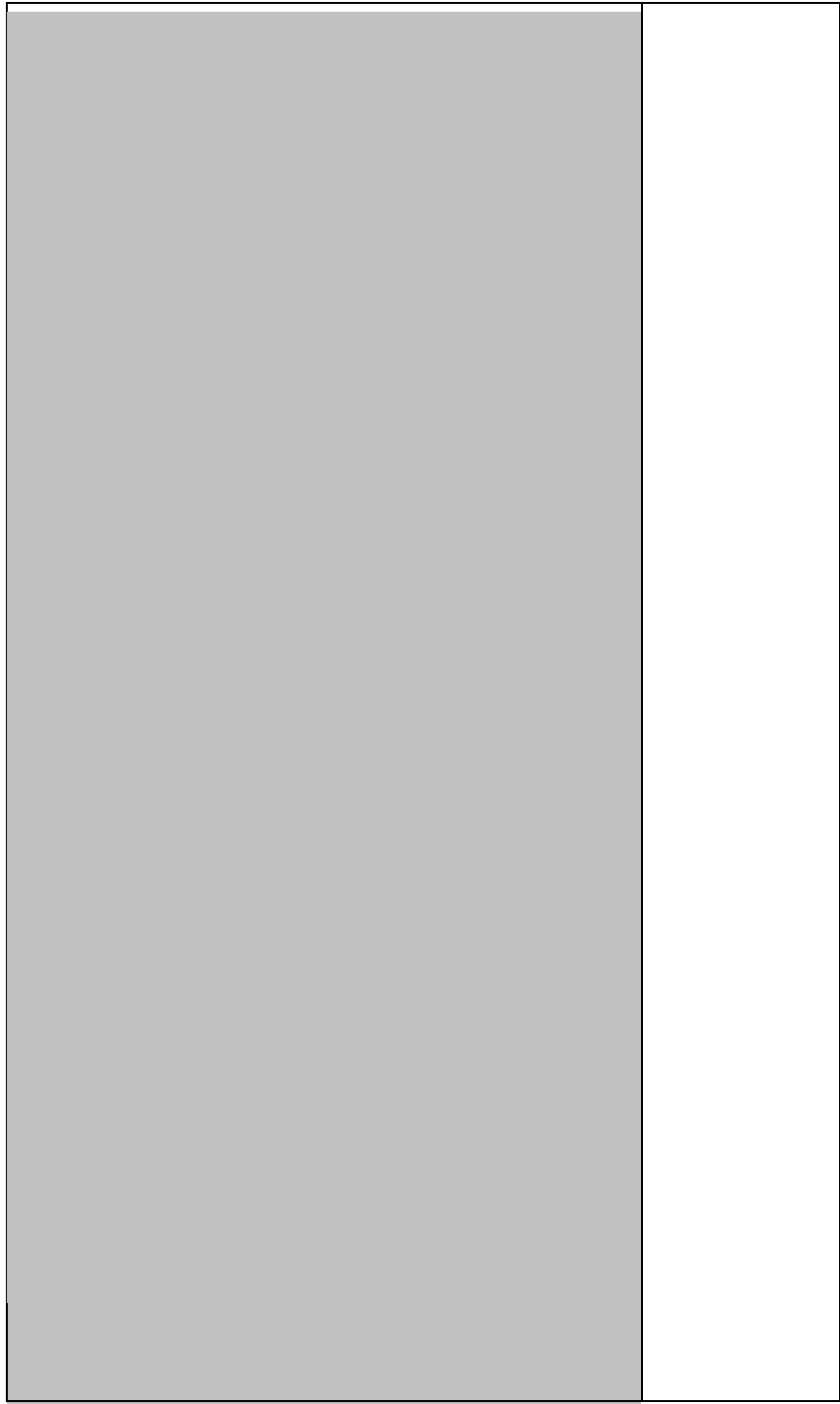
<ul style="list-style-type: none"> <li>• integumentary 3/3</li> <li>• skeletal 3/5</li> <li>• respiratory 3/23</li> <li>• muscular 3/6</li> <li>• excretory 3/30</li> <li>• immune</li> </ul> <p><b>Compare (Contrast)</b> INTERRELATIONSHIPS OF ORGAN SYSTEMS Including, but not limited to:</p> <ul style="list-style-type: none"> <li>• circulatory 3/24</li> <li>• digestive 3/9</li> <li>• nervous 3/12</li> <li>• endocrine 3/10</li> <li>• reproductive (varies on type of organism)</li> <li>• integumentary 3/3</li> <li>• skeletal 3/5</li> <li>• respiratory 3/23</li> <li>• muscular 3/6</li> <li>• excretory 3/30</li> <li>• immune</li> </ul> <p><b>Identify, Describe</b> RELATIONSHIPS BETWEEN INTERNAL FEEDBACK MECHANISMS IN HOMEOSTASIS Including, but not limited to:</p> <ul style="list-style-type: none"> <li>• positive and negative feedback systems 3/10</li> <li>• change in heart rate 3/12</li> <li>• osmotic balance 3/10 3/30</li> <li>• body temperature 3/3</li> <li>• identify and describe cellular structures and their functions 3/5</li> <li>• cell membrane/cell wall 3/10</li> <li>• mitochondria 3/12</li> <li>• nucleus 3/12</li> </ul> <p><b>Investigate, Identify</b> ORGANISMS RESPOND TO EXTERNAL STIMULI Including, but not limited to:</p> <ul style="list-style-type: none"> <li>• humans 3/3</li> <li>• animals 3/3</li> <li>• plants</li> <li>• describe how organisms respond to their environment</li> <li>• light</li> <li>• food 3/5</li> <li>• obstacles 3/5</li> <li>• chemicals 3/5 3/23</li> <li>• temperature 3/3</li> <li>• role of hormones 3/5 3/10 3/12</li> </ul>	3/11		TEST ch. 34 and 35	Teacher generated	A	
	3/12	10a, 10b, 11b	-Nervous system lecture -Neuron Wksht	-Text ch. 36.1 (343) -Neuron wksht -CSCOPE UNIT 11	A	Wksht located on CSCOPE under worksheets for 5 <sup>th</sup> 6 weeks -CSCOPE has very little information regarding human systems
	3/13	10a, 10b, 11b	-Parts of the Brain wksht and lecture	Brain handout -CSCOPE UNIT 11	A	Wksht located on CSCOPE under worksheets for 5 <sup>th</sup> 6 weeks -CSCOPE has very little information regarding human systems
	3/23	10a, 10b, 11a	-Respiratory lecture- -wksht	Text 37.1 -Respiratory wksht -CSCOPE UNIT 11	A	Wksht located on CSCOPE under worksheets for 5 <sup>th</sup> 6 weeks -CSCOPE has very little information regarding human systems
	3/24	10a, 10b	Circulatory lecture	Text 37.2 -CSCOPE UNIT 11	A	
	3/25	10a, 10b	Passage through heart wksht	Heart wksht -CSCOPE UNIT 11	A	Wksht located on CSCOPE under worksheets for 5 <sup>th</sup> 6 weeks
	3/26	10a, 10b	Heart rate lab	Heart rate lab handout -CSCOPE UNIT 11	A	Wksht located on CSCOPE under worksheets for 5 <sup>th</sup> 6 weeks
	3/27		-Unit 11 Test -Ch. 36 and 37 Test	CSCOPE and Teacher generated	A	
	3/30	10a, 10b, 11c	-Urinary System Lecture -Urinary wksht	-Text 37.3 -Wksht -CSCOPE UNIT 11	A	Wksht located on CSCOPE under worksheets for 5 <sup>th</sup> 6 weeks -CSCOPE has very little information regarding human systems
	3/31	5b, 7a, 8b, 10a, 10b	-Animal Characteris. Lecture	-Text 25.1 -CSCOPE -CSCOPE UNIT 12	A	-CSCOPE has very little information regarding Animals and their

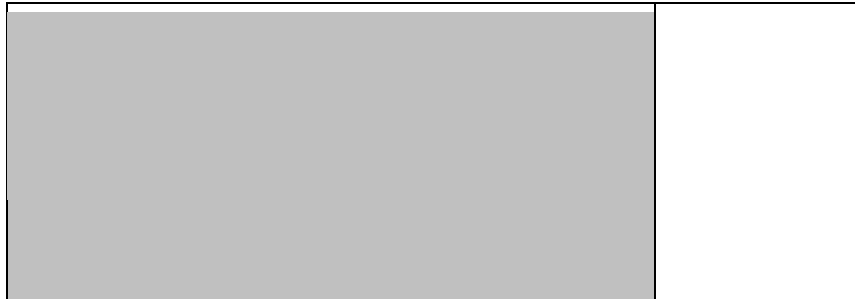
<p><b>Analyze</b>          IMPORTANCE OF NUTRITION, ENVIRONMENTAL CONDITIONS AND PHYSICAL EXERCISE ON HEALTH          Including, but not limited to:</p> <ul style="list-style-type: none"> <li>analyze a food label 3/5 3/6 3/9</li> <li>explain the relationship between heart rate and physical activity 3/3, 5, 12, 23, 28, 30</li> </ul> <p><b>Unit 12 Specificities</b> (TEKS 5a, 8c, 10a, 10b, 12b, 12c)</p> <p><b>Compare (Contrast)</b>          CELLS FROM DIFFERENT PARTS OF PLANTS AND ANIMALS          SPECIALIZATION OF STRUCTURE AND FUNCTION          Including, but not limited to:</p> <ul style="list-style-type: none"> <li>animal 3/3 till end of semester</li> <li>epithelia</li> <li>muscles 4/1</li> <li>bones 4/1</li> <li>neurons 3/12</li> <li>sex cells</li> </ul> <p><b>Identify</b>          CHARACTERISTICS OF KINGDOMS          Including, but not limited to:</p> <ul style="list-style-type: none"> <li>animal (Animalia) 3/31 till end of semester</li> <li>describe characteristics of kingdoms using formal language 3/31 till end of semester</li> <li>type of cell 3/31 till end of semester</li> <li>feeding type 3/31 till end of semester</li> <li>autotroph 4/1</li> <li>heterotroph 4/1</li> <li>form of reproduction 4/1</li> <li>multicellular/unicellular 3/31 till end of semester</li> </ul> <p><b>Interpret</b>          FUNCTION OF SYSTEMS IN ORGANISMS          Including, but not limited to:</p> <ul style="list-style-type: none"> <li>circulatory 3/24 till end of semester</li> <li>digestive 3/9 till end of semester</li> <li>nervous 3/12 till end of semester</li> <li>endocrine 3/10 till end of semester</li> <li>reproductive (varies on type of organism)</li> <li>integumentary 3/3 till end of semester</li> <li>skeletal 3/5 till end of semester</li> <li>respiratory 3/23 till end of semester</li> </ul>			<b>-Begin Animal Atlas</b>			<b>characteristics</b>	
	4/1	5b, 7a, 8b, 10a, 10b	Body Plans lecture -continue AA	-Text 25.2 -CSCOPE	A	-CSCOPE has very little information regarding Animals and their characteristics	
	4/2	5b, 7a, 7b, 8c, 10a, 11a, 12b	Sponge lecture	Text 26.1 -CSCOPE UNIT 12	A	-CSCOPE has very little information regarding Animals and their characteristics	
	4/3	5b, 7a, 7b, 8c, 10a, 11a, 12b, 12e	Cnidarian Lecture	Text 26.2 -CSCOPE UNIT 12	A	-CSCOPE has very little information regarding Animals and their characteristics	
	4/6	5b, 7a, 7b, 8c, 10a, 11a, 12b	Flatworms lecture	Text 26.3 -CSCOPE UNIT 12	A	-CSCOPE has very little information regarding Animals and their characteristics	
	4/7	5b, 7a, 7b, 8c, 10a, 11a, 12b	Roundworms lecture	Text 26.4 -CSCOPE UNIT 12	a	-CSCOPE has very little information regarding Animals and their characteristics	
	4/8	5b, 7a, 7b, 8c, 10a, 11a, 12b, 12e	Ascaris Dissection	Ascaris Lab Handout	A	Wksht located on CSCOPE under worksheets for 5 <sup>th</sup> and 6 <sup>th</sup> 6 weeks	
	4/9	5b, 7a, 7b, 8c, 10a, 11a, 12c, 12e	Mollusk lecture	Text 27.1 -CSCOPE UNIT 12	A	-CSCOPE has very little information regarding Animals and their characteristics	
	4/10	5b, 7a, 7b, 8c, 10a, 11a, 12b, 12c	Segmented Worms lecture	Text 27.2 -CSCOPE UNIT 12	A	-CSCOPE has very little information regarding Animals and their characteristics	
	4/13	5b, 7a, 7b, 8c, 10a, 11a, 12b, 12c	Earthworm dissection	Dissection handout	A	Wksht located on CSCOPE under worksheets for 5 <sup>th</sup> and 6 <sup>th</sup> 6 weeks	
	4/14		Test ch. 26 and 27	Teacher generated	A		

<ul style="list-style-type: none"> <li>• muscular 3/6 till end of semester</li> <li>• excretory 3/30 till end of semester</li> <li>• immune</li> </ul> <p><b>Compare (Contrast)</b>  <b>INTERRELATIONSHIPS OF ORGAN SYSTEMS</b>  Including, but not limited to:</p> <ul style="list-style-type: none"> <li>• circulatory 3/24 till end of semester</li> <li>• digestive 3/9 till end of semester</li> <li>• nervous 3/12 till end of semester</li> <li>• endocrine 3/10 till end of semester</li> <li>• reproductive (varies on type of organism)</li> <li>• integumentary 3/3 till end of semester</li> <li>• skeletal 3/5 till end of semester</li> <li>• respiratory 3/23 till end of semester</li> <li>• muscular 3/6 till end of semester</li> <li>• excretory 3/30 till end of semester</li> <li>• immune</li> </ul> <p><b>Interpret</b>  <b>INTERACTIONS AMONG ORGANISMS</b>  Including, but not limited to: 3/31 till end of semester (varies among the type of organism)</p> <ul style="list-style-type: none"> <li>• symbiotic relationships 3/31 till end of semester</li> <li>• commensalisms 3/31 till end of semester</li> <li>• mutualism 3/31 till end of semester</li> <li>• parasitism 3/31 till end of semester</li> <li>• community interactions 3/31 till end of semester</li> <li>• predation 3/31 till end of semester</li> <li>• competition 3/31 till end of semester</li> </ul> <p><b>Compare (Contrast)</b>  <b>ADAPTATIONS OF ORGANISMS IN BIOMES</b>  Including, but not limited to: 4/2 till end of semester</p> <ul style="list-style-type: none"> <li>• physiological 4/2 till end of semester</li> <li>• morphological 4/2 till end of semester</li> </ul>	4/15	5b, 7a, 7b, 8c, 10a, 11a, 12b, 12c	Arthropod characteristic lecture	Text 28.1 -CSCOPE UNIT 12	A	-CSCOPE has very little information regarding Animals and their characteristics
	4/16	5b, 7a, 7b, 8c, 10a, 11a, 12b, 12c	Diversity of Arthropods lecture	Text 28.2 -CSCOPE UNIT 12	A	-CSCOPE has very little information regarding Animals and their characteristics
	4/17	5b, 7a, 7b, 8c, 10a, 11a, 12b, 12c	Dissection of grasshopper or grasshopper diagram	Grasshopper dissection handout	A	Wksht located on CSCOPE under worksheets for 5 <sup>th</sup> and 6 <sup>th</sup> 6 weeks
	4/20 – 4/24		HIGH SCHOOL TAKS REVIEW			
	4/20-4/24		FRESHMAN CATCHUP			
	4/27-5/1		HIGH SCHOOL TAKS TEST/AFTERNOON CATCHUP			
	4/27-5/1		FRESHMAN CATCHUP/REVIEW			
	5/4	5b, 7a, 7b, 8c, 10a, 11a, 12b, 12c	Echinoderms and invertebrate chordates	Text ch. 29 -CSCOPE UNIT 12	A	-CSCOPE has very little information regarding Animals and their characteristics
	5/5	5b, 7a, 7b, 8c, 10a, 11a, 12b	Fish lecture	Text ch. 30.1 -CSCOPE UNIT 12	A	-CSCOPE has very little information regarding Animals and their characteristics
	5/6	5b, 7a, 7b, 8c, 10a, 11a, 12b, 12c	Amphibians lecture	Text ch. 30.2 -CSCOPE UNIT 12	A	-CSCOPE has very little information regarding Animals and their characteristics
5/7	5b, 7a, 7b, 8c, 10a, 10b	Reptile lecture	Ch. 31.1 -CSCOPE UNIT 12	A	-CSCOPE has very little information regarding Animals and their characteristics	

	5/8	5b, 7a, 7b, 8c, 10a, 10b	Birds lecture	Ch. 31.2 -CSCOPE UNIT 12	A	-CSCOPE has very little information regarding Animals and their characteristics
	5/11	7b, 8b, 8c, 10a, 10b, 11a, 12b, 12c	Mammals lecture	Ch. 32 -CSCOPE UNIT 12	A	-CSCOPE has very little information regarding Animals and their characteristics
	5/12	7b, 8b, 8c, 10a, 10b, 11a, 12b, 12c	Mammals lecture	Ch. 32 -CSCOPE UNIT 12		-CSCOPE has very little information regarding Animals and their characteristics
	5/13	7b, 8b, 8c, 10a, 10b, 11a, 12b, 12c	Pig dissection (OPTIONAL) or catch up (Dissection Suggested only for Pre AP and GT Students)	Pig dissection handout	A	Wksht located on CSCOPE under worksheets for 5 <sup>th</sup> and 6 <sup>th</sup> 6 weeks
	5/14	7b, 8b, 8c, 10a, 10b, 11a, 12b, 12c	Continue dissection or catchup			
	5/15		Unit 12 Test	CSCOPE -CSCOPE UNIT 12		
	5/18		Animal Atlas Presentation	CSCOPE		
	5/19		Animal Atlas Presentation	CSCOPE		
	5/20-5/29		REVIEW AND FINALS			







TEKS ON ASSESSMENT



**USE Study  
guide from  
state for IPC**