St. Johns County School District 2015-2016 School Year

Course: 2002050

Advanced 6th Grade Science

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Curriculum Map Terms & Use

Text: Pearson Interactive Science Course 1. Supplement with additional materials.

Quarter: Refers to the time period during which the standard(s) should be taught.

Unit/Organizing Strand: The overarching organizational structure used to group content and concepts within the curriculum map.

Florida Standards for Math & Literacy: Are to be incorporated into instruction, see notes in the map for suggestions. Best practice is to provide time for close reading and analytical writing, pushing students to evaluate/analyze information.

Essential Questions: If present, these serve to guide instruction & to push the student to higher levels of thinking. These questions should guide students to the heart of the content.

Benchmark: Refers to the benchmark classification system number: subject area, grade level, body of knowledge, big idea & benchmark are given in the benchmark. **Ex: SC.912.P.12.1**

Standard: The information that the student is expected to learn.

Comments: These are district clarifications, to guide you on some of the vague standards.

Misconception: These are taken from NAEP and should be used to guide instruction, these are commonly held misconceptions at MS level.

Highlighted item: DOE indicates that this content will be tested on the 8th grade FCAT 2.0 Science exam. . The benchmark clarification and/or content limits from the DOE are printed below the benchmark.

SC.912.P...These are your advanced standards. The examples ("ex") are state clarification statements for the standards.

Remarks: Are Department of Education clarifications.

Resources/Activities: Are suggested. Teachers should preview all media. Best practice is to provide inquiry and/or follow up labs or activities, non-fiction text and/or enrichment activities for important and foundational topics for future learning. Visit www.cpalms.org for resources.

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Course# 2002050	Course# 2002050						
Unit/Organizing Stra	nd :Language Arts Standar	ds for Reading/Writing from	Florida Standards : Speakir	ng and Listening			
Benchmarks	Standards						
LAFS.6.SL.1.1	partners on grade 6 topic a. Come to discussion preparation by ref discussion. b. Follow rules for co needed. c. Pose and respond contribute to the t	les for collegial discussions, set specific goals and deadlines, and define individual roles as I respond to specific questions with elaboration and detail by making comments that to the topic, text, or issue under discussion. The key ideas expressed and demonstrate understanding of multiple perspectives through					
LAFS.6.SL.1.2	•	sented in diverse media & for s to a topic, text, or issue und	` ` ` ` ` ` .	atively, and orally) and			
LAFS.6.SL.1.3	Delineate a speaker's arg	gument & specific claims, dis t are not.	stinguishing claims that are s	supported by reasons &			
LAFS.6.SL.2.4	Present claims & findings, sequencing ideas logically & using pertinent descriptions, facts & details to accentuate main ideas or themes; use appropriate eye contact, adequate volume, & clear pronunciation.						
LAFS.6.SL.2.5	Include multimedia comp clarify information.	nclude multimedia components (e.g., graphics, images, music, sound & visual displays in presentations to larify information.					
ELD.K12.ELL.SI.1 ELD.K12.ELL.SC.1				nin the school setting. ary for academic success in			

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Course# 2002050		Course: ADV 6 th grade Science	Quarter: 1 & throughout the year	Pacing: Integrate throughout curriculum		
Unit/Organizing Str	and: Language Arts Standa	rds for Reading/Writing from	Florida Standards: Reading in	Science & Technical Subjects		
Benchmarks	Standards					
LAFS.68.RST.1.1	Cite specific textual evid	ence to support analysis of s	cience & technical texts.			
LAFS.68.RST.1.2	Determine the central id prior knowledge or opini		orovide an accurate summary c	of the text distinct from		
LAFS.68.RST.1.3	Follow precisely a multis technical tasks.	step procedure when carrying	out experiments, taking measu	urements, or performing		
LAFS.68.RST.2.4	Determine the meaning of symbols, key terms, & other domain-specific words & phrases as they're used in a specific scientific or technical context relevant to grades 6-8 texts & topics.					
LAFS.68.RST.2.5	Analyze the structure an whole & to an understan		xt, including how the major sec	tions contribute to the		
LAFS.68.RST.2.6	Analyze the author's pur in a text.	pose in providing an explana	tion, describing a procedure, or	r discussing an experiment		
LAFS.68.RST.3.7	Integrate quantitative or technical information expressed in words in a text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table).					
LAFS.68.RST.3.8	Distinguish among facts	, reasoned judgment based o	on research findings, and specu	lation in a text.		
LAFS.68.RST.3.9	•	formation gained from experi a text on the same topic.	ments, simulations, video, or m	ultimedia sources with		

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Science the year througho				Pacing: Integrate throughout curriculum			
Unit/Organizing Strate Subjects	nd: Language Arts Stand	ards for Reading/Writing from	Florida Standards : Writing in I	History, Science and Technical			
Benchmark	Standards						
LAFS.68.WHST.1.1	 a. Introduce claim(opposing claims) b. Support claim(sunderstanding counterclaims, rounterclaims, rounterclaims, rounterclaims d. Establish & main 	focused on discipline-specific content claim(s) about a topic or issue, acknowledge & distinguish the claim(s) from alternative or claims, & organize the reasons & evidence logically. laim(s) with logical reasoning & relevant, accurate data & evidence that demonstrate an ding of the topic or text, using credible sources. s, phrases, & clauses to create cohesion & clarify the relationships among claims(s), aims, reasons, & evidence. & maintain a formal style. concluding statement or section that follows from & supports the argument presented.					
LAFS.68.WHST.1.2	procedures/experiment a. Introduce a topic broader categor when useful to a b. Develop the top information & ex c. Use appropriate d. Use precise & d e. Establish & mail	s, or technical processes. c clearly, previewing what is to create the camples. c & varied transitions to create lomain specific vocabulary to create the complex of the	tory texts, including the narration of historical events, scientific or technical processes. clearly, previewing what is to follow; organize ideas, concepts, & information into s as appropriate to achieving purpose; include formatting, graphics, & multimedia I comprehension. with relevant, well-chosen facts, definitions, concrete details, quotations, or other				
LAFS.68.WHST.2.4	Produce clear & cohere purpose, and audience	•	pment, organization, & style are	e appropriate to task,			

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Course# 2002050		urse: ADV 6 th grade	Quarter: 1 & t	hroughout	Pacing:		
		ence	the year				
Unit/Organizing Stran Technical Subjects	d: Language Aı	rts Standards for Readir	ng/Writing from Flor	ida Standards	: Writing in History, Science and		
Benchmarks	Standards						
LAFS.68.WHST.2.5	planning, revi	With some guidance and support from peers & adults, develop & strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach, focusing on how well purpose & audience have been addressed.					
LAFS.68.WHST.2.6		Use technology, including the Internet, to produce and publish writing and present the relationships between information and ideas clearly and efficiently.					
LAFS.68.WHST.3.7	drawing on se	Conduct short research projects to answer a question (including a self-generated question), drawing on several sources & generating additional related, focused questions that allow for multiple avenues of exploration.					
LAFS.68.WHST.3.8	Gather relevant information from multiple print & digital sources, using search terms effectively; assess the credibility & accuracy of each source; & quote or paraphrase the data & conclusions of others while avoiding plagiarism & following a standard format for citation.						
LAFS.68.WHST.3.9	Draw evidenc	Draw evidence from informational texts to support analysis reflection, and research.					
LAFS.68.WHST.4.10		y over extended time fra or a day or two) for a rar	•		n) & shorter time frames (a urposes, & audiences.		

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	the year					
Unit/Organizing S	trand: Math Standards from the Florida Standards: Statistics & probability, Expressions & Equations					
Benchmarks	Standards					
MAFS.6.EE.3.9	Use variables to represent two quantities in a real-world problem that change in relationship to one another; write an equation to express one quantity, thought of as the dependent variable, in terms of the other quantity, thought of as the independent variable. Analyze the relationship between dependent & independent variables using graphs and tables and relate these to the equation. For example, in a problem involving motion at constant speed, list & graph ordered pairs of distances & times, and write the equation d=65t to represent the relationship between distance and time.					
MAFS.6.SP.2.4	Display numerical data in plots on a number line, including dot plots, histograms & box plots.					
MAFS.6.SP.2.5	 Summarize numerical data sets in relation to their context, such as by: a. Reporting # of observations. b. Describing nature of attribute under investigation, including how it was measured & units of measurement. c. Giving quantitative measures of the center (median and/or mean) & variability (interquartile range & or mean or absolute deviation) as well as describing any overall pattern & any striking deviations from the overall pattern with reference to the context in which data was gathered. d. Relating the choice of measures of center & variability to the shape of the data distribution and the context in which the data was gathered. 					
MAFS.7.SP.2.4	Use measure of center & measures of variability for numerical data from random samples to draw informal comparative inferences about two populations.					
MAFS.7.SP.3.5	Understand that the probability of a chance event is a number between 0 and 1 that expresses the likelihood of the event occurring. Larger numbers indicate greater likelihood.					

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Course# 2002050		Science the year for		for "I	Pacing: approximately 3 wks. for "N" standards, including safety & beginning rules.	
Unit/Organizing St	rand: The Practice	of Science		•	, , ,	
Essential Question investigations be rep		different from inferences? What	at is the scientific method "proce	ess"? V	Vhy must scientific	
Benchmarks	Standard				Resources/Activities	
SC.6.N.1.1 FCAT Students will identify test variables and or outcome variables in a given scientific investigation. Students will interpret/evaluate/analy ze data to make predictions/defend conclusions. Students will distinguish between an experiment and other types of scientific investigations where variables cannot be controlled.	support scientific understa such as systematic observ (independent/manipulated data in charts, tables & graconclusions. Comment: Teach lab saf (observing, inferring, etc.), (ex.volume, grams, meter, charts).	rations or experiments, identify, etc) collect & organize data, (aphics, analyze information, material metric measures & units in becm, mL), data collection and units in the control of t	ic investigation of various types variables, qualitative & quantitative) interpake predictions, and defend kills, scientific processes ginning & throughout the year	pret	Resource: Media: Bozemanscience.com "Scientific Method" Mr. Edmonds Songs: "Scientific Method": http://www.youtube.com/watch?v=WEXMB5wsl0w "The Variables Song" Help to teach independent/dependent variables: D	
SC.6.N.1.2 FCAT (Assessed as SC.7.N.1.2) Students will differentiate between replication and repetition. Students will evaluate the use of repeated trials or replication in a scientific investigation. Students will compare methods and/or results obtained in a scientific investigation. SC.6.N.1.3	Explain the difference between the relative benefit Remarks: Explain that an interference or manipulation		oes of scientific investigation, & ying the natural world without gation that involves variables		R Y MIX Activity: Have students plan & create a "mock" experiment. They can write out the steps & predict an outcome, showing data collection. Science Fair is an optional activity-check with your chair.	

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Course# 2002050	e# 2002050			:		
Unit/Organizing St	rand: The	e Practice of Science, Cl	naracteristics	of Scientific Know	vledge	
Benchmarks	Standards					Resources/Activities
SC.6.N.1.4 SC.6.N.1.5 SC.6.N.2.1	explanations and Recognize that experiments, but Distinguish scie Remarks: Thou individual's subjursues, builds	re & negotiate methods nong groups of students science involves creativities also in creating explanate from other activities aght refers to any intellective consciousness. See the organizes knowledge pout the natural world.	ty, not just in ations that fit involving the trual activity incience is a s	he same investiga designing evidence. ought. nvolving an ystematic process	that	Activity: Students can talk to a shoulder partner about the reasons why results & methods might vary when testing a hypothesis. Then, each should write a brief paragraph with an explanation,
SC.6.N.2.3 NOTE: These concepts should be "folded" into the teaching of the N.1.1 standards, they are not stand alone.	come from all ki goals. Please be sure Vocabulary: q hypothesis, typ measure & how	be sure that incoming 6 th graders master these concepts: ulary: qualitative, quantitative, observation, inference, esis, types of variables (ex.: independent), basic SI units of re & how objects are measured (volume, length, etc.), eting simple charts/graphs.				based on the conversation.

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Course# 2002050	Course: ADV 6 th grade Sci Quarter: 1	Pacing:						
Unit/Organizing Strand: Energy Transfer & Transformations, Forces & Changes in Motion								
Essential Question(s): What is energy? What does the law of conservation of energy tell us? How is motion observed, described, measured? What affects the motion of an object?								
Benchmarks	Standards	Resources						
SC.6.P.11.1 Assessed as SC.7.P.11.2	Explore the Law of Conservation of Energy by differentiating between potential & kinetic energy. Identify situations where kinetic energy is transformed into potential energy & vice versa. Misconception: Energy can be created.	Simulations: http://phet.colorado.edu/ "Energy Forms and Changes", "Energy Skate						
SC.6.P.12.1 Assessed as SC.6.P.13.3	Measure & graph distance versus time for an object moving at a constant speed. Interpret this relationship. Comment: NOT required to teach calculations for speed.	Park", "Forces and Motion"						
SC.6.P.13.1 FCAT Students will identify and/or describe types of forces & describe the relationship among distance, mass & gravitational force between any two objects. Students will differentiate between mass & weight. Also assesses SC.6.P.13.2.	Investigate & describe types of forces including contact forces & forces acting at a distance, such as electrical, magnetic & gravitational. Misconception: Energy can be transformed into a force.							

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Course# 2002050	Co	urse: ADV 6 th grade Sci	Quarter:	1	Pacing:	
Unit/Organizing Strand: Energy Transfer & Transformations, Forces & Changes in Motion Essential Question(s): What is a force? What factors impact a force? How do some forces act from a "distance"?						
Benchmark	Standards	.: What factors impact a R	orde: How a	3 30me forces det		Resources
SC.6.P.13.2 Assessed as SC.6.P.13.1. Students will be able to differentiate between mass & weight. SC.6.P.13.3 FCAT Students will interpret &/or analyze graphs of distance & time for an object moving at constant speed. Also assesses SC.6.P.12.1. SC.6.N.3.3 SC.6.N.3.3	Explore the Law of force on every oth objects have and Comment: Stude the factors that im Misconception: Investigate & des speed, or direction Comment: Stude direction. Student acceleration. Item to teach Newton's Give several exam.	Gravity comes from "out in cribe that an unbalanced for of motion, or both. ents may be required to cast should understand the test of NOT require calcula	depends on he concept of good space". orce acting or alculate net for erms positive tion of acceler	now much mass the ravitational force and assess its and negative eration. Not necess	e and es its	Simulation: http://phet.colorado.edu/ "Gravity Force Lab" "Forces and Motion: Basics"
		itions in the natural world.				
	END OF QU	JARTER 1				

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Course# 2002050		Course: ADV 6 th	n grade Sci	Quarter:	2	Pa	acing:
Unit/Organizing Strand: Earth Patterns & Systems							
Essential Question(s) are the biogeochemical					ways in which energ	y (as	s heat) transfers? What
Benchmarks	Standards						Resources/Activities
SC.6.E.7.4 FCAT Also assesses SC.6.E.7.2.E.7.3,E.7.6 &.E.7.9. Students will describe/explain how the cycling of water & global patterns influence local weather/climate. Students will describe the composition & structure of the atmosphere &/or how the atmosphere protects life & insulates the planet. SC.912.E.7.3	Differentiate & show atmosphere, & biosp Differentiate & show hydrosphere, cryospl Ex: Interactions incluwinds, etc.	here. interactions among here, geosphere, a	g Earth's sys nd biospher	tems including a	atmosphere,		BozemanScience.com: "Biogeochemical Cycles"
SC.6.E.7.1 Assessed as SC.6.E.7.5.	Differentiate among i			ion, the three m	nechanisms by		
SC.6.E.7.2 Assessed as SC.6.E.7.4.	Investigate & apply h has an effect on wea Comment: Teach ho	ow the cycling of w ther patterns & clin	vater betwee nate.	•	•		
SC.912.P.10.4	Describe heat as the explain the connection	energy transferred	l by convecti	on, conduction	& radiation &		
SC.6.E.7.8	Describe ways that hexposure.	uman beings prote	ect themselve	es from hazardo	ous weather & sun		

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Course# 2002050		Course: ADV 6 th grade Sci	Quarter:	2	Pacing:			
Unit/Organizing Strand: Earth Systems & Patterns								
Essential Question(s source of all energy	•	interact/cycle through earth?	How does er	nergy drive change	es on our planet? What is the			
Benchmarks	Standards				Resources/Activities			
SC.6.E.7.9 Assessed as SC.6.E.7.4.	insulates the plane Comment: Teacl	n the layers of the atmosphere	and function	n/what occurs in	Have students write about how global patterns would be influenced if less			
SC.6.E.7.5 FCAT Students will explain how energy provided by the sun	occurs.	phere contains ozone layer, tr	opospriere is	s where weather	radiant energy were able to reach Earth. They can predict the			
influences global patterns of atmospheric movement. Items will NOT assess knowledge of Coriolis effect.	atmospheric move	y provided by the sun influence ment & the temperature differe ents should understand the co						
		eezes form. Not necessary to finds at the latitudes.	teach Coriolis	s Effect or the	Media: www.nbclearn.com			
SC.6.E.7.3 Assessed as SC.6.E.7.4.	Describe how glo k	oal patterns such as the jet str	eam & ocear	n currents influence	"Modeling our Future Climate"			
	local weather in modirection & speed,	easurable terms such as temp and humidity & precipitation. as how the jet streams and oce	erature, air p	oressure, wind	Changing Planet: "Ocean Temperatures"			
	stream influence w	eather and in what ways. No novements, types of fronts, sto	t required that	at you teach: air	Nova: "Clouds and Weather" http://www.pbs.org/wgbh/			
SC.6.E.7.6 Assessed as SC.6.E.7.4.	Comment: This is	en weather & climate. s very basic. Not necessary to novements, types of fronts, sto	7.	•	nova/labs/video_popup/3/ 21/			

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Course# 2002050		Course: ADV 6 th grade Sci Quarter: 2			Pacing:		
Unit/Organizing Strand: Earth Systems & Patterns							
Essential Question	(s): Are we able to p	predict weather? How does se	evere weathe	er begin?			
Benchmarks	Standards				Resources/Activities		
SC.912.E.7.6	Ex: Identify cause	on of severe weather to the value of severe weather. Compare severe weather events (hurric	contrast phy	sical factors that	Have students write about how global patterns would be influenced if less radiant energy were able to reach Earth. They can		
SC.912.E.7.5	models & recogniz Ex: Use models, v	e limitations & uncertainties of veather maps & other tools to	ner conditions based on present observations & conceptual limitations & uncertainties of such predictions. eather maps & other tools to predict weather conditions & n accuracy of short and long range weather forecasts.				
SC.6.E.7.7	Investigate how na	atural disasters have affected h	numan life in	Florida.	Media: www.nbclearn.com "Modeling our Future Climate" Changing Planet: "Ocean Temperatures"		
					Nova: "Clouds and Weather" http://www.pbs.org/wgbh/nova/labs/video_popup/3/21/		

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Course# 2002050		Course: ADV 6 th grade Sci	Quarter: 2	Pacin	g:	
Unit/Organizing Strand: Earth Structures						
Essential Questi	on(s): How	has/ is Earth's surface continua	ally changed by constr	ructive and destru	uctive forces?	
Benchmarks	Standards				Resources/Activities	
SC.6.E.6.1	down by ph Comments oxbow lake, have basic deposition. Misconcep Water canno	give examples of ways in which ysical & chemical weathering, e.: Not necessary to get very sport etc.). Students should unders understanding and be familiar votions: Wind cannot carry rock ot dissolve rock.	erosion & deposition. ecific (barrier beaches tand what each procestith examples of erostand deposit it in a new	s, horn, arête, ess is and ion and w location.	Activity: Have students research & briefly present a feature of Florida caused by weathering, erosion,	
SC.6.E.6.2	Recognize that there are a variety of different landforms on Earth's surface such as coastlines, dunes, rivers, mountains, glaciers, deltas & lakes & relate these landforms as they apply to Florida. Comments: Students should understand that these landforms are a result of erosion and deposition, keep it simple. Connection: This standard is annually assessed on the 5 th grade FCAT 2.0 Science test.			or deposition. They should specify how the feature occurred and explain why this specifically occurred in Florida. They can then compare to another state with different features.		
	END O	F QUARTER 2				

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Course# 2002050	Course: ADV 6 th grade Sci	Course: ADV 6 th grade Sci Quarter: 3		Pacing:		
Unit/Organizing Strand: Organization & Development of Living Organisms						
Essential Question(s): What are characteristics of living things? How do plant cells differ from animal cells? How are living things organized? How do living things maintain homeostasis? What are the components of the cell theory? How does the structure of major organelles accommodate the function of the organelle?						
Benchmarks	Standards			Resources/Activities		
SC.6.L.14.2 FCAT Not taught again in MS, EXTREMELY important foundation for HS Biology. Students will be able to identify, describe/explain the components of cell theory. Students will describe how cells undergo similar processes to maintain homeostasis	Investigate & explain the components o theory): all organisms are composed of all cells come from pre-existing cells, & Misconception: ALL cells are the same	cells (single celled or multi cellucells are the basic unit of life.		C Palms: Investigate Cell Theory: ID#40202 Biology4Kids.com: cells Media: Khanacademy.com:		
SC.6.N.2.2 FCAT Students will explain that scientific explanations are based on evidence, logic, predictions & identify instances in history of science in which scientific knowledge changed as a result of new evidence.	Explain that scientific knowledge is dura new evidence or interpretations are enc		je as	"Parts of a Cell". You Tube: Cell Theory Rap: http://www.youtube.com/ watch?v=UP_vX6ipOb4 Bozemanscience.com: "The Wacky History of		
SC.6.N.3.1	Recognize & explain that a scientific the accepted explanation of nature & is not individual. Comment: Students will be between theories and laws.	simply a claim posed by an	y	the Cell" "Cellular Organelles" "Classification of Life" You Tube: Cell Theory Clip:		
SC.6.N.3.4	Identify the role of models in the context benchmarks.	t of the 6 th grade science		https://www.youtube.com /watch?v=4OpBylwH9DU Simulation: For cells: http://www.cellsalive.com /cells/3dcell.htm		

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Course# 2002050		Course: ADV 6th grade Sci	Quarter:	3	Pacing:			
	•	iving Organisms, Organization						
Essential Question(s the human body?		living things share? How are I	iving things or	ganized? What	are some o	of the major structures of		
Benchmarks	Standards				F	Resources/Activities		
SC.6.L.14.3 Assessed as SC.6.L.14.2.	homeostasis, including ext Misconception: Cells of liv organisms.	cells of all organisms undergo s racting energy from food, gettin ving organisms do not grow or	g rid of waste epair, there a	, & reproducing. re no single celle	ed (organelles. Do the same for plant/animal cells.		
SC.912.L.14.2	Relate structure to function for the components of plant & animal cells. Explain the role of the cell membrane as a highly selective barrier (passive/active transport). Write a brief explanation of structure to function for each.					of structure to function for		
SC.912.L.16.14	Describe the cell cycle, including the process of mitosis. Explain the role of mitosis in the formation of new cells & its importance in maintaining chromosome number during asexual reproduction.				ual "	Media: Khanacademy.com: Parts of a Cell". Bozemanscience.com:		
SC.6.L.14.4 FCAT EXTREMELY important foundation for HS Biology. Students will be required to compare/contrast organelles in plant/animal cells.	Compare & contrast the <u>structure & function</u> of major organelles of plant & animal cells, including cell wall, cell membrane, nucleus, cytoplasm, chloroplasts, mitochondria & vacuoles. Comment: Teach that the function of the ribosome is to produce proteins for the cell.				5,	The Wacky History of the Cell" Cellular Organelles" Classification of Life"		
SC.912.L.14.3	structures of prokaryotic &	·	·	-	F	Simulation: For cells: http://www.cellsalive.com/		
SC.6.L.15.1 FCAT	with emphasis on the Linna Comment: It is not require	why organisms are classified arean system combined with the ed that you teach specific characted that you teach an organism's R 3	concept of Doctoristics of in	omains. dividual types of	E "	cells/3dcell.htm Biology4Kids.com: Plants", "Animal Systems"		

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Course# 2002050		Course: ADV 6 th grade Sci	Quarter:	4	Pacing:
Unit/Organizing Strand: Diversity & Evolution of Living Organisms, Organization & Development of Living Organisms					
	: What characteristics do all		ving things or	ganized? What a	are some of the major structures of
Benchmarks	Standards			Resources/Activities	
SC.6.L.14.1 FCAT This standard is not taught again in MS.	Describe & identify patterns in the hierarchical organization of organisms from atoms to molecules & cells to tissues to organs to organ systems to organisms. Identify & investigate the general functions of the major systems of the human body			Bozemanscience.com "Viruses" "Bacteria" "Nervous system"	
SC.6.L.14.5 FCAT Also assesses SC.6.L.14.6. Students will identify/describe how the major systems of the body interact to maintain homeostasis.	(digestive, respiratory, circulatory, reproductive, excretory, immune, nervous, & musculoskeletal) & describe ways that these systems interact with each other to maintain homeostasis. Comment: NOT REQUIRED to teach structure or function of organs.				"Respiratory system" "Digestive system"
Students will compare/contrast types of infectious agents that affect the human body. SC.6.L.14.6 Also assesses SC.6.L.14.5.	viruses, bacteria, fungi & p	of infectious agents that may in arasites. Industrial odd of the state of the stat			You Tube: Amoeba sisters: "Human Body Systems: The 11 Champions", "Viruses: Viral Replication and the Mysterious Common
HE.6.C.1.3	Identify environmental factors that affect personal health. Remarks: Air & water quality, availability of sidewalks, contaminated food, road hazards. Explain how body systems are impacted by hereditary factors & infectious agents. Remarks: Cystic fibrosis affects respiratory & digestive system, influenza affects the respiratory system, sickle-cell anemia affects the circulatory system.				Cold", "Bacteria: The Good, The Bad, the Kinda Gross". Nova: "Virus Wars" http://www.pbs.org/wgbh/nova/body/virus-wars.html
HE.6.C.1.5	End quarter 4				Activity: Create a flowchart that shows the flow from atoms to organisms. Research a fungal disease: athlete's foot.

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