What Can I Do to Prepare for Biology EOC?

NOTE: Below is a menu of resources which can be used in conjunction with first semester DA baseline/midyear data for review/remediation in Biology. This is an interactive document so click on what you see in blue and it will take you directly to the activity.

GENERAL RESOURCES	www.classzone.com	**Holt Biology Textbook Online Resources:** Sign in with username: bio1student password: ilovebio Select the Florida 2012 textbook Select "Interactive Review" - on the left side of the page, click the white arrow to select the section - you can choose vocab games, concept maps, etc. Select "Assessment" for practice questions
	http://www.florida-achieves.com	**Florida Department of Education online review** Sign in with school user name & password o FCAT Explorer - go to Science Mission; start with Cell Biology; provides a variety of "game-like" review o FOCUS – two 5 question mini-assessments for each benchmark

RESOURCES FOR SPECIFIC BENCHMARKS

Benchmark	Topic	Holt Biology Textbook Chapter & Pages	Holt Interactive Reader Biology Pages	Video Clips Brain Pop Login Username: schoolname_hs Password: bppinellas		Online Interactives		Quizlets (Vocab Practice)
SC.912.L.14.1	Cell Theory	Chapter 3, Section 3.1, pages 70-71	page 37	Cell Theory Song		INTERACTIVE REVIEW: Cell Theory		Cell Theory Scientists
SC.912.L.14.3	Prokaryotic & Eukaryotic Cells	Chapter 3, Sections 3.1, 3.2, 3.4, 3.5; pages 73-79, 85-91	pages 38-50	Brain Pop: Cells	Parts of a Cell	GIZMO: Cell Structure	GIZMO: Osmosis	Cell Organelles
				Assignment Discover: Introduction to Cells	Brain Pop: Cell Structures	GIZMO: Diffusion	Cells Alive Animal & Plant Cell	Cell Membrane
SC.912.L.16.1	Mendel's Laws	Chapter 6, Sections 6.3, 6.4, 6.5; pages 177-187 Chapter 7, Sections 7.1 & 7.2; pages 200-207	pages 96-104, 110-113	Introduction to Heredity	Brain Pop Heredity	WEB LAB: Genotype & Phenotype		Genetics Test I
				Punnett Square Fun	Genetic Mysteries Podcast	GIZMO: Mouse Genetics (one trait)		
				Brain Pop Genetics	Sex-Linked Traits	GIZMO: Mouse Genetics (two traits)		
				100 Greatest Discoveries: Genetics and Gregor Mendel		GIZMO: Chicken Genetics		

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SC.912.L.16.3	DNA Replication	Chapter 8, Sections 8.3, 8.4, 8.5, 8.7; pages 235-247, 252-255	pages 127-138, 142-144 (mutations)	Brain Pop DNA	DNA Replication	GIZMO: Building DNA	DNA replication & protein synthesis
				Brain Pop RNA	DNA Replication Song	GIZMO: RNA and Protein Synthesis	
				Brain Pop Genetic Mutations	An Introduction to DNA	Tour of the Basics: DNA & Genes	
SC.912.L.16.10	Biotechnology	Chapter 9, Section 9.4, pages 275-279	pages 154-156	Biotechnology at the Cutting Edge	Introduction to Biotechnology	WEB LAB: Gel Electrophoresis	Biotechnology
				What is Biotechnology?		GIZMO: DNA Fingerprint Analysis	
SC.912.L.16.17	Mitosis vs. Meiosis	Chapter 5, Sections 5.1, 5.2, 5.4 pages 134-142, 146-150 Chapter 6, Sections 6.1, 6.2; pages 168-176	pages 74-81, 90-95, 105-106 (crossing over)	Brain Pop: Mitosis	Phases of Mitosis	GIZMO: Cell Division	Cell Division
				Cell Division and the Cell Cycle	Mitosis, Meiosis, and Sexual Reproduction	Cells Alive Cell Cycle	
				Mitosis Vs. Meiosis from Thinkwell's Video Biology Course			
SC.912.L.18.1	Macromolecules	Chapter 2, Section 2.3, 2.5, pages 44-48, 54-56	pages 25-29, 33-34 (enzymes)	Brain Pop: Body Chemistry	Assignment Discovery: Food Molecules	GIZMO: Identifying Nutrients	Organic Molecules
				You Tube: Mischievous Macromolecules	Macromolecules Podcast		
				You Tube: Macromolecules			
SC.912.L.18.9	Photosynthesis & Cellular Respiration	Chapter 4, Sections 4.1, 4.2, 4.4; pages 100-103, 113-114, **121**	pages 53-58 (not thylakoids, light dependent or independent reactions, pg 62-64 (not stages)	Brain Pop: Photosynthesis	Assignment Discovery: Eukaryotic Cells	GIZMO: Cell Energy Cycle	Photosynthesis/ Cellular Respiration
				Brain Pop: Cellular Respiration	Khan Academy: Photosynthesis (1st 3 minutes only)	Illuminating Photosynthesis	
				Photosynthesis and Respiration (1st 6 minutes only)			
SC.912.L.18.12	Properties of Water	Chapter 2, Section 2.2, pages 40-42	pages 22-24	Brain Pop Water	The Freezing Dynamics of Water	Water Web Quest	Properties of Water
				To Stick or Not to Stick			

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SC.912.L.14.7	Plant Structure & Function				GIZMO: Flower Pollination		

SC.912.L.14.26	Brain Parts				WEB LAB: Color the parts of the brain		Select Human Systems, then Structures of the
SC.912.L.14.36	Cardiovascular System				GIZMO: Circulatory System		Select Human Systems, then Supplying Oxygen
SC.912.L.14.52	Immune System				ANIMATED BIO: What Would You Prescribe		
SC.912.L.15.1	Evolution				GIZMO: Evolution		Select Biological Evolution if it is not already, then
					Evolution Interactives		
SC.912.L.15.6	Individual & Public Health				INTERACTIVE REVIEW: Three Domains		
SC.912.L.15.8	Origin of Life				GIZMO: Skull Evolution		
SC.912.L.15.13	Natural Selection				GIZMO: Natural Selection		
SC.912.L.16.13	Human Development				ANIMATED BIO: Developmental Time Line		
SC.912.L.17.5	Carrying Capacity				ANIMATED BIO: What Limits Population Growth		
SC.912.L.17.9	Trophic Levels				GIZMO: Food Chain		

SC.912.L.17.20	Population Growth				GIZMOS: Populations & Samples		