

WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT
Extended Learning Pacing Guide: High School Biology

June 20 – July 15 2016

HS Biology - Semester 1

Week	Day	Hour	Lesson (McDougal Littell Biology) and Edmentum	
			Group A	Group B
Week 1	1	1.5	1.1 - 1.2: The Study of Life; Unifying Themes of Biology	Edmentum Pre-Assessment
		1.5	Edmentum Pre-Assessment	1.1 - 1.2: The Study of Life; Unifying Themes of Biology
	2	1.5	1.3 - 1.5: Scientific Thinking and Process; Biologists' Tools and Technology; Biology and Your Future	Edmentum Individualized Program
		1.5	Edmentum Individualized Program	1.3 - 1.5: Scientific Thinking and Process; Biologists' Tools and Technology; Biology and Your Future
	3	1.5	2.1 - 2.2: Atoms, Ions, and Molecules; Properties of Water	Edmentum Individualized Program
		1.5	Edmentum Individualized Program	2.1 - 2.2: Atoms, Ions, and Molecules; Properties of Water
	4	1.5	2.3 - 2.5: Carbon-Based Molecules; Chemical Reactions Enzymes	Edmentum Individualized Program
		1.5	Edmentum Individualized Program	2.3 - 2.5: Carbon-Based Molecules; Chemical Reactions Enzymes
	5	1.5	3.1 - 3.2: Cell Theory; Cell Organelles	Edmentum Individualized Program
		1.5	Edmentum Individualized Program	3.1 - 3.2: Cell Theory; Cell Organelles
Week 2	6	1.5	3.3 - 3.5: Cell Membrane; Diffusion and Osmosis; Active Transport, Endocytosis and Exocytosis	Edmentum Individualized Program
		1.5	Edmentum Individualized Program	3.3 - 3.5: Cell Membrane; Diffusion and Osmosis; Active Transport, Endocytosis and Exocytosis
	7	1.5	4.1 - 4.2: Chemical Energy and ATP; Overview of Photosynthesis	Edmentum Individualized Program
		1.5	Edmentum Individualized Program	4.1 - 4.2: Chemical Energy and ATP; Overview of Photosynthesis
	8	1.5	4.3 - 4.4: Photosynthesis in Detail; Overview of Cellular Respiration	Edmentum Individualized Program
		1.5	Edmentum Individualized Program	4.3 - 4.4: Photosynthesis in Detail; Overview of Cellular Respiration
	9	1.5	4.5 - 4.6: Cellular Respiration in Detail; Fermentation	Edmentum Individualized Program
		1.5	Edmentum Individualized Program	4.5 - 4.6: Cellular Respiration in Detail; Fermentation
	10	1.5	5.1 - 5.2: The Cell Cycle; Mitosis and Cytokinesis	Edmentum Individualized Program
		1.5	Edmentum Individualized Program	5.1 - 5.2: The Cell Cycle; Mitosis and Cytokinesis

Week	Day	Hour	Lesson (McDougal Littell Biology) and Edmentum		
			Group A	Group B	
July 4th, Holiday					
Week 3	11	1.5	5.3 - 5.5: Regulation of the Cell Cycle; Asexual Reproduction; Multicellular Life	Edmentum Individualized Program	
		1.5	Edmentum Individualized Program	5.3 - 5.5: Regulation of the Cell Cycle; Asexual Reproduction; Multicellular Life	
	12	1.5	8.1 - 8.2: Identifying DNA as the Genetic Material; Structure of DNA	Edmentum Individualized Program	
		1.5	Edmentum Individualized Program	8.1 - 8.2: Identifying DNA as the Genetic Material; Structure of DNA	
	13	1.5	8.3 - 8.5: DNA Replication; Transcription; Translation	Edmentum Individualized Program	
		1.5	Edmentum Individualized Program	8.3 - 8.5: DNA Replication; Transcription; Translation	
	14	1.5	8.6 - 8.7: Gene Expression and Regulation; Mutations	Edmentum Individualized Program	
		1.5	Edmentum Individualized Program	8.6 - 8.7: Gene Expression and Regulation; Mutations	
	Week 4	15	1.5	9.1 - 9.2: Manipulating DNA; Copying DNA	Edmentum Individualized Program
			1.5	Edmentum Individualized Program	9.1 - 9.2: Manipulating DNA; Copying DNA
		16	1.5	9.3 - 9.6: Genetic Engineering; Genomics and Bioinformatics; Genetic Screening and Gene Therapy	Edmentum Individualized Program
			1.5	Edmentum Individualized Program	9.3 - 9.6: Genetic Engineering; Genomics and Bioinformatics; Genetic Screening and Gene Therapy
17		1.5	13.1 - 13.2: Ecologists Study Relationships; Biotic and Abiotic Factors	Edmentum Individualized Program	
		1.5	Edmentum Individualized Program	13.1 - 13.2: Ecologists Study Relationships; Biotic and Abiotic Factors	
18		1.5	13.3 - 13.4: Energy in Ecosystems, Food Chains and Food Webs	Edmentum Individualized Program	
		1.5	Edmentum Individualized Program	13.3 - 13.4: Energy in Ecosystems, Food Chains and Food Webs	
19		1.5	13.5 - 13.6: Cycling of Matter; Pyramid Models	Edmentum Individualized Program	
		1.5	Edmentum Individualized Program	13.5 - 13.6: Cycling of Matter; Pyramid Models	

For additional resources including Animations/Simulations, Demonstrations, Labs, and Lessons, please go to the District Website. Click on Departments, then select Science. Clicking on the links on the left side of the web page will give you access to many other resources that you can use to support your science instruction.