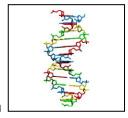


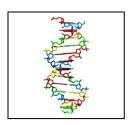
EXAM 6: Week 2Q-W9

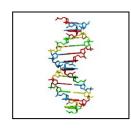


## ODESSA SCIENCE DEPARTMENT BIOLOGY SYLLABUS

Textbook: Biology: Principles & Explorations											
Author: WEEK	· ·		CONCEPTS		SUGGESTED HOMEWORK	EALR & GLE					
1-3	1-3 Course Intro Microscopes		Contracts, Safety, Sci Method, Life, Cells,		Pg. 19-20 (1-21, 24)	111-116-121-123 126-211-212-213					
Measurements EXAM 1: Week 1Q-W3		Microscopes, Units			Introduction	214-215-221-222 223311-312-313					
4-6	Cell Enviro		Cell Theory, History, Organelles, Plant vs Animal, Organic Mole-		Pg. 49-51 (1-19, 22, 23) Pg. 69-71 (1-21,23)	111-121-126-138 211					
EXAM 2: We	eek 1Q-W6	cules, Acid/Base, Solution		ns		Microbiology I					
7-9	<b>7-9</b> Cell Energy Photosynthesis		Enzymes, Glycolysis, Krebs Cycle, Dark- Light Reactions,		Pg. 89-91 (1-29, 32) Pg. 113-115 (1-22,26,27)	111-121-122-126 ) 127-211-138					
EXAM 3: Wo	eek 1Q-W9 (end of 1 <sup>st</sup>		Microbiology II								
10-12  Genetics Alleles Punnett Squares Mutations		Characteristics Laws of Heredity Traits		Chpts. 6-9 Pgs. 118-200	Pg. 135-137 (1-22,25,28) Pg. 159-161 (1-19, 23) Pg. 177-179 (1-24, 30) Pg. 197-199 (1-27, 32)	) 111-116-121-126 127-211-311-312 324					
EXAM 4: Wo					1 g. 177-177 (1-27, 32)	Genetics I					
13-15		INDEPEND STEM RESE 2 <sup>nd</sup> QUARTER RESE		EARCH		211-212-213-214 215-221-222-223 224-225-311-312 313-322-323-324					
EXAM 5 in form of PAPER & POWERPOINT PRESENTATIONS: Week 2Q-W6											
16-18	Mitosis/Meiosis Cell Division DNA/RNA Protein Synth Replication, Transcription, Translation		th	Chpts. 6-9 Pgs. 118-200	Pg. 135-137 (1-22,25,28) Pg. 159-161 (1-19, 23) Pg. 177-179 (1-24, 30) Pg. 197-199 (1-27, 32)	) 111-116-121-126 127-211-311-312 324					
EXAM 6: We	Genetics II										

1<sup>st</sup> SEMESTER FINAL: Week 2Q-W9





## ODESSA SCIENCE DEPARTMENT BIOLOGY SYLLABUS

<u>WEEK</u>	<u>UNIT</u>	CONCEPTS	SUGGESTED READING		ESTED EWORK	EALR & GLE
19-21	Origin of Life Models, Darwin, Evolution Macro-Micro Evolution Earth Life Extinctions, Fossils, Human Evol Early Hominids		Chpts. 11-14 Pg.239-241 (1-22), 28 Pgs. 224-311 Pg.267-269 (1-22), 28 Pg.289-291 (1-27), 30 Pg.309-311 (1-22), 27		7-269 (1-22), 28 9-291 (1-27), 30	115-116-127-133 134-135-139-211
EXAM 7: Week 3Q	<u>-W3</u>					Evolution
22-24	Biomes Ecology Earth's Place	Diversity Ecosystems Niches, Zones,	Chpts. 15-18 Pgs. 314-333 Pgs. 336-356	Pg.355 Pg.383	2-333 (1-16, 25) 5-356 (1-16, 27) 3-384 (1-17, 29)	121-122-131-211 212-311-312-313 322-323-324
EXAM 8: Week 3Q	Earth's Systems  XAM 8: Week 3Q-W6		Pgs. 360-383 Pgs. 388-407	Pg.40	7 (1-9, 22)	Ecology
25-27	Classify Kingdom, Phylum, KPCOFGS Class, Order, Family, Bio-engineering Genus, Species,		Chpts. 19 Pgs. 416-451	Pg.449	9-451 (1-18, 29)	116-121-139-211
EXAM 9: Week 3Q	Design	Taxonomic Nomenclature	2		Classification /	<b>Bio-Engineering</b>
28-30	Revisit Ecology Quantitative Qualitative	Data Collection Observer Bias Technology in the Field	OnLine Resourc Outdoor Laborat		121-122-131-211 HS-ESS3 HS-LS2	
<b>EXAM 11: Week 40</b>		Field Study				
31-33	Reproduction Hormones, Feed- Hormones back, Glands, Male, Endocrinology Female, Cycles, STD		Chpts. 41-42 Pgs. 967-1011	_	5-987 (1-17, 21) 10-1011 (1-17, 22)	116-121-122-128 211
<b>EXAM 10:</b> Week 40		Human A &		P: Reproduction		
34-36	Immune System Allergies HIV	Cell Types, Transportation, Infection Rate	Chpt. 39 Pgs. 920-955	Pg.934	1-935 (1-15, 25)	121-122-126-128 211-311-322-323
<b>EXAM 12: Week 40</b>		IIICUOII Nate			Human A & P : Immunology	

2<sup>nd</sup> SEMESTER FINAL: Week 4Q-W9

## **Biology: Grade 10, 1 Semester Credit**

Biology studies life. This inquiry course will be an in depth study of the cell and its importance to all of life. Through student-driven research-based laboratory investigation microorganisms, invertebrates, and vertebrates characteristics and environments will be studied. Students investigate the genetics and relationships between various organisms, and finish with a comparison of human anatomy, physiology, ecology, and behavior with other species.