UNIT OF STUDY

Title: Call Cycle	Subject/	Cource: Diology	Longth, 1 wook
Title: Cell Cycle	Subject/Course: Biology		Length: 1 week
Topic: Molecules and Cells 5	Grade:	10 th grade	Designer: Woods
UNIT GOALS AND EXPECTATIONS			
IMPORTANT CONCERTS/UNDERSTANDINGS			
IMPORTANT CONCEPTS/UNDERSTANDINGS: Cell functions are regulated. Regulation occurs both through changes in the activity of the functions performed by proteins and through the selective expression of individual genes. This regulation allows cells to respond to their environment and to control and coordinate cell growth and division.		ESSENTIAL QUESTIONS: Why is it important to undereproduce? What do cell look like while mitosis?	
STUDENT LEARNING EXPECTATIONS: MC.2.B.8 Describe the main events in the cell including the differences in plant and animal codivision: interphase interphase prophase interphase interpha	ell		
SPECIFIC DECLARATIVE KNOWLEDGE -know		SPECIFIC PROCEDURAL KNOWLEDGE - do	
Explain the problems that growth causes for concentration between the problems growth. Name the main events of the cell cycle. Describe what happens during the four phases mitosis. Explain how cancer cells are different from other concentrations.	of cell	Sequence the steps of the cell classifier changes in the cell c	
UNIT ASSESSMENTS			
(Include tasks related to Dimensions 3 and 4 and Bloom's Taxonomy)			
"Stages of the Cell Cycle" Lab-Draw conclusions about the cell cycle based on slides of onion root tip mitosis. Cell Cycle Story Book Project(or other performance based activity for assessment)			
Traditional Assessments: Written Test Cell Cycle Quiz Section Quizzes		Other Evidence of Learning: Bellringers Informal Questioning Mitosis coloring sheets	
ACTIVITIES AND LEARNING EXPERIENCES		Resources	
www.johnkyrk.comCell cycle animations and illustrations "Onion Root Tip Meiosis"- Microscope lab in cooperative groups Establish Habits of Mind for Science in Critical Thinking, Creative thinking, and Self Regulated Thinking Vocabulary Strategy Daily Notebook Entries Note-taking powerpoint		Prentice Hall Textbook: Biology TI-83's Internet Powerpoint Lab Equipment	
Career Connections			
Oncology			
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