

Subject:		Biology		Grade Level: 9-12	
Technology Used:		Concept maps			
Ohio Technology Standard Met:					
Grade	Standard #	Benchmark Letter	Indicator #	Narrative	
10	4	A	1	Identify and incorporate common organizational techniques used in electronic communication (e.g., cause and effect, compare and contrast, problem and solution strategies).	
Ohio's New Learning Standards Met:			Within the cell are specialized parts for the transport of materials, energy transformation, protein building, waste disposal, information feedback and movement. In addition to these basic cellular functions, most cells in multicellular organisms perform some specific functions that others do not.		
Literacy (ELA) Standard:			RST.9-10.2 Analyze content-area-specific text development. a. Determine the central ideas or conclusions of a text. b. Provide an accurate and objective summary of the central ideas of the text that traces the text's explanation or depiction of a complex process, phenomenon, or concept.		
Lesson Plan Title OR Internet URL:			Cellular jobs		
Description of lesson idea/plan/activity					
Students will listen to a short lecture and be given an article describing the different jobs in the cell (waste disposal, energy transformation, protein building and packaging, etc.). They will form a concept map that will connect the parts of the cell/organelles/ any-other-relevant-information-they-have-already-learned that relate to that cellular function or "job."					
How will you ASSESS the Technology Standard?					
I will look at the concept maps that the students have made and make sure that they understand how to compare and contrast information that they have found in the article as well as during lecture.					
How will you ASSESS the Academic Content Standard?					
I will check to make sure that the students have correctly matched each cellular job with its components.					

Subject:		Biology		Grade Level:	9-12
Technology Used:		Powerpoint			
Ohio Technology Standard Met:					
Grade	Standard #	Benchmark Letter	Indicator #	Narrative	
9	4	A	1	Format text, select color, insert graphics and include multimedia components in student-created media/communication products.	
Ohio's New Learning Standards Met:				"Dihybrid crosses are investigated through real world examples."	
Literacy (ELA) Standard:				RST.9-10.5 Analyze the structure of the relationships among concepts in a text, including relationships among key terms (e.g., force, friction, reaction force, energy).	
Lesson Plan Title OR Internet URL:				Dihybrid Storytelling	
Description of lesson idea/plan/activity					
Students will read a text about real world examples of dihybrid crosses, briefly summarize one, and underline 3 key terms they find. Then they will design their own dihybrid cross in pairs - can be real or can be creative (aka aliens, unicorns, etc) and will form a powerpoint to present giving the background of each parent and the traits they possess, the punnett square, and the resulting offspring. They must include the 3 key terms they pulled from the reading in their presentation.					
How will you ASSESS the Technology Standard?					
A portion of the grade for the project will be the design of the powerpoint and the use of pictures, color, text size, animations, etc.					
How will you ASSESS the Academic Content Standard?					
I will evaluate the accuracy of the cross the students created and their use of key terms in their presentations and summaries.					