

Cell Organelle Lesson

Objective	To teach students cell organelle's.
Learning Environment	<p>Students will be able to complete this lesson anywhere that they have a computer with internet and FreeScreenCast software on it. They could do it at home or anywhere in the world with a laptop.</p> <p>They will also have a piece of paper with a basic eukaryotic animal cell. They will also be required to label cell organelles on this paper.</p>
Types of Students	My students will be basic biology students. We will have been covering cells for a few days.
Standards	<p>Biology: Know and describe that within the cell are specialized parts for the transport of materials, energy capture and release, protein building, waste disposal, information feedback, and movement. In addition to these basic cellular functions common to all cells, understand that most cells in multicellular organisms perform some special functions that others do not. (Core Standard) B.1.3</p>
Materials	<p>They will have a computer, a program called FreeScreenCast, and the internet to post/email their homework to the instructor. They possibly will have a biology book.</p> <p>They will also have a piece of paper on which they will also label the cell organelles; and a writing device.</p>
Procedures	<p>The instructor will send the students a digital copy of a eukaryotic cell with instructions on using FreeScreenCast to label the cell. They will then give the students a paper copy of the same cell to label using a pen or pencil.</p> <p>The students will then bring the image of the cell on their computer, and take a screencast using the program FreeScreenCast to label the cell. They will indicate the organelle that they are attempting to label and depending on the computer, will either say what it is if they have a microphone or type what it is in either a word document or notepad.</p> <p>They will also have a paper with the same cell that they have on the computer that they will also label by hand.</p>
Application	This is good practice for a quiz and test on the cell organelle location. They will also be more prepared for a presentation on a cell organelle.
Evaluation	This is graded based on accuracy and completion. Without either part to (the computer part and the paper copy) they will not pass the assignment. They will then be graded on accuracy of both labels.