

## Cell Unit Timeline

	Monday	Tuesday	Wednesday	Thursday	Friday	Weekend
Week 1	<p>course outline</p> <p>safety</p> <p>introduction to microscopes activity</p> <p>1 – cell story</p> <p>3c, 3d – Cell Organelle Worksheet</p> <p>3a, 3b – Cell Diagrams</p>	<p>2a - Cell Types Lab Part A</p>	<p>2a – Cell Types Lab Part B</p> <p>Text pg. 35 #11-16</p> <p>Pro vs. Eu <a href="http://www.youtube.com/watch?v=prFbqO8vrNY">http://www.youtube.com/watch?v=prFbqO8vrNY</a></p> <p>Types of Cells <a href="http://www.wiley.com/legacy/college/boyer/0470003790/animations/cell_structure/cell_structure.htm">http://www.wiley.com/legacy/college/boyer/0470003790/animations/cell_structure/cell_structure.htm</a></p>	<p>3f – Cell ppt.</p> <p>Cell Transport Animation <a href="http://www.wiley.com/legacy/college/boyer/0470003790/animations/membrane_transport/membrane_transport.htm">http://www.wiley.com/legacy/college/boyer/0470003790/animations/membrane_transport/membrane_transport.htm</a></p> <p>3e – Cell Structure and Function Quiz</p>	<p>Pro D</p>	<p>3g – Cell Structure Review Package</p>
Week 2	<p>4.1 &amp; 4.2</p> <p>4 - DNA Structure and Replication – The Edible Kind</p> <p>DNA Replication <a href="http://www.youtube.com/watch?v=yqESR7E4b_8">http://www.youtube.com/watch?v=yqESR7E4b_8</a></p>	<p>4 - Mr. Watson's DNA extraction lab from KICA Molecular Genetics 1 – Pre-Lab</p> <p>Variables Introduction</p>	<p>4 - Mr. Watson's DNA extraction lab from KICA Molecular Genetics 1 – Design procedure</p>	<p>4 - Mr. Watson's DNA extraction lab from KICA Molecular Genetics 1 – Run Experiment</p> <p>How Cancer Grows <a href="http://www.pbs.org/wgbh/nova/cancer/grow_flash.html">http://www.pbs.org/wgbh/nova/cancer/grow_flash.html</a></p>	<p>Lab Writeup Rough draft</p> <p>Cell Cycle and Cancer <a href="http://science.education.nih.gov/supplements/nih1/cancer/activities/activities_animations.htm">http://science.education.nih.gov/supplements/nih1/cancer/activities/activities_animations.htm</a></p>	
Week 3	<p><b><u>DNA Extraction Due</u></b></p> <p>4a – DNA Functions_cancer worksheet</p> <p>DNA: Secret of Life 1 of 5 – 50 minutes <a href="https://www.youtube.com/watch?v=yf4_D7HF5kU">https://www.youtube.com/watch?v=yf4_D7HF5kU</a></p>	<p>4d – DNA Replication Using Kits</p> <p>DNA Powerpoints</p> <p>What is a Protein? What is an Enzyme?</p>	<p>5.1, 5.2, 5.3, 5.4</p> <p>DNA Replication and Protein Synthesis Animation in Depth <a href="http://www.johnkyrk.com/DNAreplication.html">http://www.johnkyrk.com/DNAreplication.html</a></p>	<p>4d – Protein Synthesis Worksheet</p> <p>protein synthesis video <a href="http://www.genome.gov/Pages/EducationKit/video/qt/3D.mov">http://www.genome.gov/Pages/EducationKit/video/qt/3D.mov</a></p> <p>Transcription Animation <a href="http://www.stolaf.edu/people/gianni/flashanimat/moleculargenetics/transcription.swf">http://www.stolaf.edu/people/gianni/flashanimat/moleculargenetics/transcription.swf</a></p> <p>Translation Animation <a href="http://www.stolaf.edu/people/gianni">http://www.stolaf.edu/people/gianni</a></p>	<p>Protein Synthesis Review</p>	

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				<a href="http://www.youtube.com/watch?v=D3fOXt4MrOM">ni/flashanimat/molgenetics/translatio n.swf</a>  From DNA to Protein <a href="http://www.youtube.com/watch?v=D3fOXt4MrOM">http://www.youtube.com/watch?v=D3fOXt4MrOM</a>  More Genetics and DNA Review <a href="http://learn.genetics.utah.edu/">http://learn.genetics.utah.edu/</a>		
Week 4	Family Day	5a – DNA Fingerprint PPT  5a – DNA Fingerprinting Introduction  5d – DNA Fingerprinting Simulation	6a – Biotechnology – Independent Study  Sickle Cell Anemia - <a href="http://www.youtube.com/watch?v=R4c3hUhhyc&amp;feature=related">http://www.youtube.com/watch?v=R4c3hUhhyc&amp;feature=related</a>  Sickle Cell and Gene Therapy - <a href="http://www.youtube.com/watch?v=ujf72mjyoBg">http://www.youtube.com/watch?v=ujf72mjyoBg</a>	7 - cell structure & function study guide  DNA Review Animations <a href="http://www.dnalc.org/resources/animations/">http://www.dnalc.org/resources/animations/</a>	6c – Cancer Introduction  6d – Cancer, Sweetener, and Mice  Programming of Life (50 mins) <a href="http://www.youtube.com/watch?v=ovBqYDBW5s&amp;feature=related">http://www.youtube.com/watch?v=ovBqYDBW5s&amp;feature=related</a>	<a href="#">transcribe and translate a gene</a>  <a href="#">what makes a firefly glow?</a>
Week 5	Pro D	5e – Crime Lab Blood Types  OR 5g, 5h, 5i – Blood Types Lab  Animal hybrids - <a href="http://www.youtube.com/watch?v=d-ZCuNKnxNE">http://www.youtube.com/watch?v=d-ZCuNKnxNE</a>	Unit 1 – Practice Quiz  DNA Sequencing <a href="http://www.pbs.org/wgbh/nova/body/sequence-DNA-for-yourself.html">http://www.pbs.org/wgbh/nova/body/sequence-DNA-for-yourself.html</a>	Independent Study	Unit 1 Exam	