## Secondary At-Home Learning Plan

Student Name:	School: NLHS
Course: Biology	Content Teacher Name: London / Moss
Homeroom Teacher Name:	

March 18-30			
Date	Assignment Instructions	Suggested Time to Spend per Day	Additional Notes
3/18/2020	Cells (Prokaryote v. Eukaryote / Organelles)	30 min	Watch videos for day 1 prior to completing day 1 in the packet. There is an optional digital learning and enrichment activity that goes along with the review lesson.
3/19/2020	Cells (Adaptations)	30 min	Watch videos for day 2 prior to completing day 2 in the packet. There is an optional digital learning and enrichment activity that goes along with the review lesson.
3/20/2020	Biochemistry (Biomolecules)	30 min	Watch videos for day 3 prior to completing day 3 in the packet. There is an optional digital learning and enrichment activity that goes along with the review lesson.
3/23/2020	Biochemistry (Enzymes)	30 min	Watch videos for day 4 prior to completing day 4 in the packet. There is an optional digital learning and enrichment activity that goes along with the review lesson.
3/24/2020	Transport (Active v. Passive)	30 min	Watch videos for day 5 prior to completing day 5 in the packet. There is an optional digital learning and enrichment activity that goes along with the review lesson.
3/25/2020	Transport (Osmosis)	30 min	Watch videos for day 6 prior to completing day 6 in the packet. There is an optional digital learning and enrichment activity that goes along with the review lesson.
3/26/2020	Energy (Photosynthesis)	30 min	Watch videos for day 7 prior to completing day 7 in the packet. There is an optional digital learning and enrichment activity that goes along with the review lesson.

3/27/2020	Energy (Cellular Respiration)	30 min	Watch videos for day 8 prior to completing day 8 in the packet. There is an optional digital learning and enrichment activity that goes along with the review lesson.
3/30/2020	DNA & Protein Synthesis	30 min	Watch videos for day 9 prior to completing day 9 in the packet. There is an optional digital learning and enrichment activity that goes along with the review lesson.

Optional Digital Learning and Enrichment Activities			
Date	Assignment Instructions	Suggested Time to Spend per Day	Additional Notes
3/18/2020	Cells Alive (cellsalive.com) <ul> <li>Interactive Cell Models</li> <li>Plant/Animal</li> <li>Bacteria</li> </ul>	20 min	Complete the animation and complete the following: 1. Compare and contrast the differences between the cell types (prokaryote and eukaryote) and the organelles in each type of cell
3/19/2020	<ul> <li>Diversity of Protist</li> <li>Google "Diversity of Protist" and find the video from youtube. The video belongs to the channel "JBFSchool"</li> <li>The url is listed here: <u>http://bit.ly/2w6R7yW</u></li> </ul>	20 min	Watch the video and answer the following question: 1. Why do these organisms have these adaptations?
3/20/2020	Create an infographic using piktochart or canva	30 min	Share your infographic with your teacher via email
3/23/2020	Lactose Intolerance <ul> <li><u>http://bit.ly/39TPLWK</u></li> </ul>	15 min	Read the case presentation and respond to the questions via email to your teacher with the subject of the email "Lactose Intolerance"
3/24/2020	McGraw-Hill Animations for Cell Transport: <ul> <li>Below is the link for the McGrawhill Animations</li> <li><u>http://bit.ly/2vtoT0V</u></li> <li>1. Diffusion</li> <li>2. Facilitated Diffusion</li> <li>3. Sodium-Potassium Pump</li> <li>4. Phagocytosis</li> </ul>	30 min	View the animations listed on the left hand side of the site and answer the questions that are on the McGraw-Hill resource.

3/25/2020	<ul> <li>McGraw-Hill Animation for Osmosis         <ul> <li>Below is the link for the McGrawhill Animation for osmosis <u>http://bit.ly/2TWkmNJ</u></li> </ul> </li> <li>Applications of osmosis to a red blood cell's environment         <ul> <li>Below is the link for this activity: <u>http://bit.ly/2Ucx0Hv</u></li> </ul> </li> </ul>	10 min	View the animation for osmosis and answer the questions that are on the McGraw-Hill resource. View the images, illustrations, and visual aids for the application of osmosis to a red blood cell's environment.
3/26/2020	Bioman <ul> <li>The link for the website is below         <u>http://bit.ly/3b1z1Nj</u> </li> </ul>	20 min	Complete multiple activities that intrigue your interest to review and expand your knowledge of photosynthesis and cellular respiration
3/27/2020	<ul> <li>Bioman</li> <li>The link for the website is below <u>http://bit.ly/3b1z1Nj</u></li> </ul>	20 min	Complete multiple activities that intrigue your interest to review and expand your knowledge of photosynthesis and cellular respiration
3/30/2020	NOVA - From DNA to Protein • <u>https://bit.ly/33oTt8o</u>	10 min	<ul> <li>View the animation and answer the following questions: <ol> <li>How is the information about making different kinds of proteins passed from parents to children?</li> <li>What building block molecules make up proteins?</li> <li>What are the steps in the process of protein synthesis from DNA to polypeptide chain? Incorporate the following terms into your answer: DNA, bases, transcription, mRNA, translation, codons, anticodons, ribosomes, polypeptides, amino acids.</li> </ol></li></ul>