

## Honors Biology Daily Learning Task (DLT)

### Melanin Storyline

Date	Daily Tasks
Monday, April 29th	<ol style="list-style-type: none"> <li>Watch: <a href="#">Melanin Introduction Video</a>.               <ol style="list-style-type: none"> <li>Print and complete the <a href="#">Questioning and Observation Form</a> as you watch the video</li> </ol> </li> <li>Take notes on <a href="#">Slides #1-5</a></li> <li>Watch: <a href="#">African Albino Children Video</a></li> <li>Print and Complete <a href="#">Hidaya's Story</a> by building a pedigree of Hidaya's Family               <p>*Anyone discussed in the story must be labeled with <b>names and genotypes</b> in the pedigree. ***Use correct symbols, connections, and shading for the pedigree.</p> <ol style="list-style-type: none"> <li>Students will work in groups to draw the pedigree out on their table tops (including names, shading, and genotypes). Double check your pedigree with this KEY.</li> </ol> </li> </ol>
Tuesday, April 30th	<ol style="list-style-type: none"> <li>Take notes on <a href="#">Slide #6</a></li> <li>Print and complete the <a href="#">Punnett Square Activity</a> using your completed pedigree from yesterday. If you do not 100% know a person's genotype, please choose a genotype that seems the most logical.</li> <li>Take Notes on <a href="#">Slide #8-12</a></li> <li>Print and Complete the <a href="#">Autosomal Dominant and Sex-Linked Traits</a> Practice</li> </ol>
Wednesday, May 1st	<ol style="list-style-type: none"> <li>We need to finish the <a href="#">Autosomal Dominant and Sex-Linked Traits</a> Practice</li> <li>Print and complete the <a href="#">Karyotype Analysis</a> by using the website listed on the assignment.</li> <li>Print and complete the <a href="#">Albinism Lab (Pages 13-14)</a> <ol style="list-style-type: none"> <li>Refer to the notes again for the pedigree CER</li> <li>Check your answers to the labeling of the genes on the karyotype with <a href="#">slide #13</a></li> </ol> </li> </ol>
Thursday, May 2nd	<ol style="list-style-type: none"> <li>Print and complete the <a href="#">Albinism Lab (Page 1-2)</a></li> <li>Watch the How are Proteins Made <a href="#">Video</a></li> <li>Take notes on <a href="#">slides #14-16</a></li> <li>Use slide #17 to see an example of coding so you can complete the Practice Coding DNA → mRNA → Amino Acids (Transcription and Translation) by <b>printing and completing the top sequence</b> on <a href="#">THIS</a> document</li> </ol>
Friday, May 3rd	<ol style="list-style-type: none"> <li>Print and complete the second page (#154) in the <a href="#">Albinism Lab</a></li> <li>Take notes on <a href="#">slides #13-14</a> <ol style="list-style-type: none"> <li>Please print this <a href="#">Mutation Cheat Sheet</a></li> <li>We used the Mutation Cheat Sheet to identify the names of our mutations on our assigned sheet.</li> </ol> </li> <li>Print and Complete <a href="#">Mutations Practice</a> *Optional</li> </ol>

Date	Daily Tasks
Monday, May 6th	<ol style="list-style-type: none"> <li>1. Identify the types of mutations on your sheet from yesterday.</li> <li>2. Using <a href="#">pages 8-11</a> in the Albinism Lab, identify which individual has the mutations on your sheet. The silent mutation will not be one of these individuals because a silent mutation will NOT result in albinism.               <ol style="list-style-type: none"> <li>a. Print and Complete the <a href="#">Conclusion Sheet</a></li> <li>b. You will need to turn in your colored sheet (with your coded strands) and the conclusion questions.</li> </ol> </li> <li>3. Print and complete the <a href="#">Melanin Article</a></li> <li>4. Watch the introduction <a href="#">Melanin Video</a> *This will give a visual representation</li> <li>5. Print and complete the <a href="#">Vitamin D Analysis</a> <ol style="list-style-type: none"> <li>a. Use these <a href="#">Maps</a></li> <li>b. Use <a href="#">slide #17</a> to help you see the image for #9 in the Vitamin D Analysis</li> </ol> </li> <li>6. We will be walking through the answers to the Melanin Article and the Vitamin D Analysis from yesterday. (See <a href="#">Slides #21-22</a>)</li> </ol>
Tuesday, May 7th	<ol style="list-style-type: none"> <li>1. Kahoot (Optional): <a href="https://create.kahoot.it/details/540d4ec2-ad33-4469-b016-7300a6f02278">https://create.kahoot.it/details/540d4ec2-ad33-4469-b016-7300a6f02278</a> <b>Melanin Quiz 1</b></li> <li>2. Watch <a href="#">Biology of Skin Color</a> ***Take notes as you watch the video - the notes will be needed for the Evidence for Skin Color Activity.</li> <li>3. See <a href="#">slides #24-26</a> for a summary of the content required               <ol style="list-style-type: none"> <li>a. OR use <a href="#">these</a> slides</li> </ol> </li> </ol>
Wednesday, May 8th	<ol style="list-style-type: none"> <li>1. Print and Complete the <a href="#">Evidence for Skin Color</a> *If you need to watch the video again, please watch the video again!!               <ol style="list-style-type: none"> <li>a. See me to check your answers to this.</li> </ol> </li> <li>2. Place the individuals in the correct country on the map and record in the data table on <b>page 3</b> in <a href="#">Mapping Skin Color</a> <ol style="list-style-type: none"> <li>a. Use this <a href="#">MAP</a> and these pictures of the <a href="#">INDIVIDUALS</a></li> </ol> <p>**This might be difficult to complete on your own. The goal is to match each individual with the correct placement on the map based on their skin tone. Yesterday's lesson discussed how skin colors vary based on the region in which people live. Keep in mind all concepts from yesterday.</p> </li> <li>3. <del>Finish Mapping Skin Color (from yesterday) by answering the conclusion questions on page 1-2 in <a href="#">Mapping Skin Color</a></del></li> </ol>
Thursday, May 9th	<ol style="list-style-type: none"> <li>1. Print and Complete (Pages 1-2) <a href="#">Rock Pocket Mouse Activity</a> <ol style="list-style-type: none"> <li>a. Use <a href="#">THESE</a> pictures.</li> <li>b. This includes watching the video and attempting to answer the questions for #4</li> </ol> </li> <li>2. Print and Complete (Page 3) <a href="#">Rock Pocket Mouse Activity</a> <ol style="list-style-type: none"> <li>a. This includes creating TWO graphs.                   <ol style="list-style-type: none"> <li>i. Graph 1 will show the number of light and dark mice in Location A overtime</li> <li>ii. Graph 2 will show the number of light and dark mice in Location B overtime.</li> </ol> </li> <li>b. Conclude Rock Pocket Mice with <a href="#">Slides 27-31</a></li> </ol> </li> <li>3. Review for Monday's CER Quiz (<a href="#">Review Notes</a>)</li> </ol>
Friday, May 10th	<ol style="list-style-type: none"> <li>1. <b>Skin CER Assessment *Make time to meet with Ms. Rezash to make up this CER Assessment. (30 minutes max)</b></li> </ol>

	2. Print and complete the <a href="#">Melanin Storyline Review Packet</a> *This is assigned as homework and DUE Wednesday May, 15th
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Date	Daily Tasks
Monday, May 13th	<ol style="list-style-type: none"> <li>1. Print and Complete the <a href="#">Natural Selection and the MC1R Gene</a></li> <li>2. Conclude with <a href="#">Slides 32-36</a></li> </ol>
Tuesday, May 14th	<ol style="list-style-type: none"> <li>1. Print and Complete the <a href="#">Summarizing Natural Selection Using Data Sets</a> <ol style="list-style-type: none"> <li>a. Use <a href="#">these</a> graphs!</li> </ol> </li> <li>2. Conclude with <a href="#">Slides 37-39</a></li> </ol>
Wednesday, May 15th	<ol style="list-style-type: none"> <li>1. We will be going through the answers to the Melanin Storyline Review Packet</li> <li>2. Create a notecard for the Melanin Storyline Assessment</li> </ol>
Thursday, May 16th	<b>** Make an appointment with Ms Rezash to make up the Melanin Assessment</b>
Friday, May 17th	