

Content Area & Materials	Learning Objectives	Tasks	Check-in Opportunities	Submission of Work for Grades
<p>LS3.A: Inheritance of Traits (HS-LS3-1) LS1.A: Structure and Function LS3.B: Variation of Traits</p> <p>DNA Structure and Function DNA Replication</p> <p><b>Materials:</b> Textbook POGIL Handout DNA to RNA Handout Molecular Genetics PowerPoint</p>	<p><b>GOALS:</b></p> <ol style="list-style-type: none"> <li>1. Describe/Model the structure of DNA.</li> <li>2. Explain the function of DNA.</li> <li>3. Apply Chargaff's base pairing rule to DNA replication and RNA transcription.</li> <li>4. Summarize the concept of Transcription.</li> <li>5. Transcribe a strand of RNA from a strand of DNA of your choice.</li> </ol>	<ul style="list-style-type: none"> <li>• Unplugged Option</li> <li>• Digital Option</li> <li>• Blended Combination</li> </ul> <p><b>Molecular Genetics PowerPoint Notes: Go through slides 1-20 of the PowerPoint, annotating from textbook pgs. 305-310 on a separate paper. Answer Concept check 16.1 questions.</b></p> <p><b>Molecular Genetics PowerPoint Notes: Go through slides 21- 45 of the PowerPoint, annotating from textbook pgs. 311-319 on a separate paper. Answer Concept check 16.2 questions.</b></p> <p><b>POGIL: DNA Structure and Replication. Answer questions and complete Model 1 and Model 2.</b></p> <p><b>Review Packet: DNA to RNA. Read and take notes on the summaries on pages 107-109. Do the activity on page 110-113.</b></p> <p><b>Write a reflection of your understanding of each learning goal.</b></p> <p>((ONLINE ASSIGNMENTS ARE THE SAME AS HARD-COPY))</p>	<ul style="list-style-type: none"> <li>• Phone Call</li> <li>• Video Call</li> <li>• Email</li> <li>• Messaging platform</li> </ul> <p>Email Edmodo</p>	<ul style="list-style-type: none"> <li>• Expectation</li> <li>• Evidence: Log, Product</li> <li>• Method: Scan, photo, upload, or deliver</li> </ul> <p>All work should be typed and digital. Assignments do not need to be completed in their notebooks.</p> <p>Evidence: Product for all assignments.</p> <p>Method: Digital submission preferred. Deliver acceptable if they cannot submit digitally.</p>
<p><u>Scheduled, if possible,</u> <b>Shared Experience</b></p> <ul style="list-style-type: none"> <li>• Virtual Fieldtrip</li> <li>• Discussion</li> </ul>	None			

<b>Scaffolds &amp; Supports</b>	Students can send emails asking for clarification and help.				
<b>Teacher Office Hours</b> <i>2 hours daily (all classes):</i> <ul style="list-style-type: none"><li>• Contact</li><li>• Platform</li></ul>	<b>Monday</b> 10am-12noon Edmodo	<b>Tuesday</b> 10am-12noon Edmodo	<b>Wednesday</b> 10am-12noon Edmodo	<b>Thursday</b> 10am-12noon Edmodo	<b>Friday</b> 10am-12noon Edmodo