## **Protein Synthesis Video Project**

Task: Your group will be telling the story of how your chosen protein was created. First, pick a protein in the cell that has a specific function or create your own protein with a specific function. Next, create a story about the steps of protein synthesis. End your story with your protein being folded and stating where it will go and how it will function.

Your story should include a thorough description of transcription and translation along with various vocabulary terms.

Grading Rubric	Points Possible	Points Earned
Content: Each of the vocabulary words must be shown with a		
sign, text in your video, or spoken AND used <b>in context</b>		
Transcription	5	
• Nucleus	5	
• DNA	5	
Hydrogen Bond	5	
<ul> <li>Complementary Base Pairs - A,T, C, G, U</li> </ul>	5	
• mRNA	5	
<ul> <li>Translation</li> </ul>	5	
<ul> <li>Ribosome</li> </ul>	5	
• rRNA	5	
• trna	5	
• Codon	5	
<ul> <li>Anticodon</li> </ul>	5	
Amino Acid	5	
<ul> <li>Protein</li> </ul>	5	
Discuss the complete steps of Transcription and Translation	10	
Conclude with the folding of your protein and the description of your protein function	10	
Presenter's tone, inflection, articulation and volume	5	
(Audience needs to be able to hear and understand what is being said!)		
Everyone in the group participates in the video: talking or acting	5	
Total:	100	