

Central Dogma Project



1. Model & record a video of the process of transcription & translation using the DNA strand:



****Video not to exceed 2 minutes****

2. The following must be included in your video:

- | | |
|---|--|
| <ul style="list-style-type: none"> ○ Template strand ○ Coding strand ○ Transcription factor ○ Transcription unit ○ RNA polymerase ○ Termination sequence ○ 5'cap ○ Poly-A tail ○ Spliceosome ○ Intron | <ul style="list-style-type: none"> ○ Exon ○ Ribosome ○ A, P, & E sites ○ tRNA ○ aminoacyl tRNA ○ codon ○ anti-codon ○ amino acid ○ stop codon/release factor ○ protein formation |
|---|--|

3. Each group member must create their own voice over for the video & provide a typed copy of the script used.

Rubric

Criteria	Level 1	Level 2	Level 3	Level 4	Level 5
Use appropriate terminology related to transcription & translation	Minimally with limited detail	Reasonably with essential detail	Adequately with considerable detail	Comprehensively with thorough detail	Meticulously with exceptional detail
Demonstrate steps involved with protein synthesis	Minimally with limited detail	Reasonably with essential detail	Adequately with considerable detail	Comprehensively with thorough detail	Meticulously with exceptional detail