**Extra Credit!!!**

**Due 12/12 (Unit 5 presentation/review day)**

**Step One**: Assign Topic

Replication: key enzymes, leading versus lagging strand ([link1](https://docs.google.com/file/d/0B-p-GxxvcKPNM3ZhMGg4WUFJSlk/edit) and [link2](http://www.yourgenome.org/facts/what-is-dna-replication))

Transcription: in eukaryotic cells, initiation/elongation/termination, modification processes ([link](https://drive.google.com/file/d/0B-p-GxxvcKPNZ2U4eDFHQ0tLMHc/edit))

Translation: initiation/elongation/termination ([link](https://docs.google.com/file/d/0B-p-GxxvcKPNZnR3LS1UdlJ1bFU/edit))

Structure: basic structure and types of bonds ([link](http://ircamera.as.arizona.edu/Astr2016/text/nucleicacid1.htm))

Mutations: types ([link](http://evolution.berkeley.edu/evolibrary/article/mutations_03))

DNA history: scientists and contributions ([link](https://docs.google.com/file/d/0B-p-GxxvcKPNYUhCQW5mZHZWLVk/edit))

**Step Two: DNA SONG PROJECT INSTRUCTIONS**

· Choose a popular song that you know well (no more than 3 min)

· Write down the lyrics to that popular song and start to replace verses from the popular song with DNA/RNA vocabulary built phrases. ( put lyrics on video if audio is hard to understand)

· Look through the notes and textbook and know the vocabulary and exactly how DNA is structured, how it replicates and protein how is synthesized from RNA.

· Look over key vocabulary [link](https://drive.google.com/file/d/0B-p-GxxvcKPNWjY2ZGx3aVp3U0E/edit) and topics

· include your learning style in your presentation (visual: illustrations, kinesthetic: movement, auditory: rhyming, analogies, repeats)

**DNA Song Project RUBRIC**

***2 points* Song lyrics must contain at least 10 DNA related words**

***4 points* Song must explains the process that is assigned (accuracy)**

***2 points* Song must be performed and exhibit creativity with the DNA concepts**

***2 points* Final copies of written song lyrics submitted to teacher (printed or electronic on google classroom)**

**10 pts total extra credit**

\*\*\*Any inappropriate video footage or language during performances or plagiarizing of any kind will result in a group receiving a zero for this assignment\*\*\*

Youtube video examples.

Fresh Prince of Bel-Air[http://www.youtube.com/watch?v=Bk66GTqBKKc&feature=player\_embedded#](http://www.youtube.com/watch?v=Bk66GTqBKKc&feature=player_embedded)

Backstreet Boys

<http://www.youtube.com/watch?v=dIZpb93NYlw&feature=related>

The Bio Rap

<http://www.youtube.com/watch?v=d1UPf7lXeO8&feature=related>

Taylor Swift

<http://www.youtube.com/watch?v=umxPICx1qWA&feature=related>