Applications of Genetics Mini Research Assignment

Task: You will choose an aspect of applications of genetics to research. You will present your findings in the form of a PowerPoint.

Potential Topics:

Genetically Modifies Organisms (GMO's)
Gene Therapy
Cloning
Human Genome Project
DNA Fingerprinting

Stem Cells
Ancestry
Forensics
Test tube babies
Disease Prevention

Requirements:

- At least 12 slides (including Title and Sources slides)
- Describe your topic:
    - What is the history of your topic
    - Explain what it is
    - How it is used (provide an example).
    - Identify the pros and cons of your topic. Discuss ethical considerations
- Include at least 5 relevant photos
- Use at least 3 good sources, identified in a *Sources* slide, with a name & link.
- Uploaded to your ePortfolio as a file, at the bottom of your Unit 1 Biology page
- Please look at the rubric on back of page for detailed expectations on the mechanics of the presentation.

Mini Deadlines:

Monday: Choose topic, begin research

Tuesday: Conduct research, find sources, find photos,

Wednesday: Finish research. Assemble presentation

Thursday: Complete finishing touches. Upload presentation

Due: November 10, 2016 END OF CLASS

Applications of Genetics Mini Research Rubric

Name: **Topic:**

Category	Exceeds expectations	Meets expectations	Approaching expectations	Does not meet expectations
Content **(10 marks)**	In-depth coverage of topic, topic is appropriate to assignment, strong basis in sound, research-based information, outstanding clarity	Good coverage of topic, topic is appropriate to assignment, basis in sound, research-based information, clear and understandable	Topic in adequately covered, topic is appropriate to assignment, not based on research-based information clear and understandable	Coverage of topic, topic is inappropriate to assignment, not based on research-based information, unclear and difficult to understand
Presentation **(5 marks)**	Attractive, easy to interpret, pleasing colors with high contrast, slide presentation well-organized, excellent use of bullets, graphics, transitions, and slide effects which enhance the presentation of the content	Attractive, easy to interpret, pleasing colors with good contrast, slide presentation organized, good use of bullets, graphics, transitions, and slide effects which enhance the presentation of the content	Attractive, difficult to interpret, pleasing colors with high contrast, slide presentation disorganized, bullets, graphics, transitions, and slide effects detract from the content	Unattractive, difficult to interpret, poor color choice and slide contrast, slide presentation unorganized, bullets, graphics, transitions, and slide effects detract from the content
Mechanics **(5 marks)**	No misspellings or grammatical errors. Text is in student's own words.	Three or fewer misspellings and/or grammatical errors. Clear attempt to put text in own words.	Four misspellings and/or grammatical errors. Little attempt to put text in own words.	More than four misspellings and/or grammatical errors. Text is copy & pasted.
Sources cited **(5 marks)**	More than 3 sources are included on sources slide. Sources are academic and reputable. Title and working link included.	3 sources are included on sources slide. Sources are academic and reputable. Title and working link included.	1-2 sources are sited in the appropriate slide. Sources may not be academic or reputable	No sources are cited.
Pictures, Clip Art & Background **(5 marks)**	At least 5 appropriate images. Layout of images is pleasing to the eye.	5 appropriate images are included. Layout is cluttered.	1-4 images included. Most images are appropriate.	No images