What is *Life*? Summative Paper or Project

 accepted through Monday December 14th, 2015 for full credit

Students will demonstrate their understanding of Biology by either writing a term paper, ***or*** creating a work product and writing an accompanying summary of their work. The paper or project should demonstrate understanding of the following broad topics.

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| Characteristics of Life/Kingdoms | Biomolecules | Nature/Importance of Water | Cells |
| Energy: Photosynthesis and Cellular Respiration | Cell Division: Mitosis and Meiosis | Central Dogma (DNA, RNAs, protein) | Genetics and Inheritance |
| Evolution  | Energy: Food Chains and Webs | Symbiotic Interactions | Human Impact |

**All written components (term paper, work product, explanations) will be submitted as typed documents using Times New Roman 12 point font with 1.5 line spacing to Safe Assign (Blackboard: Summative Paper or Project)**

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| **Term Paper**  |  **Term Paper Rubric** |
| Students will address the prompt, “What is Life?” by writing a term paper. It is intended and encouraged that students utilize their previous essay responses to draft the paper, and then further develop their paper by citing 3 to 5 additional sources (using in-text citations and MLA format). The paper should be 8-16 paragraphs in length. | The term paper will be scored using the Literacy Design Collaborative Rubric for Informational/Explanatory teaching tasks, and submitted to SafeAssign for grading. |



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| **Creative Work Product Options**The work product must be the *student’s own work*, **NOT** a reproduction, collection, or collage of other published works.1. **Video**: Claymation, dry erase doodle, animated, or acted- video explains/illustrates key biological concepts - Submit video by sharing file via google drive with lpeppers2@wcpss.net- typed script of video submitted via SafeAssign2. **Concept Map**- illustrates and explains concepts and connections- 4 color minimum- typed 5-8 paragraph explanation of concept map, connections, color/illustration choices submitted via SafeAssign3. **Illustration, Painting, or Scroll Art (4 color minimum)**- representation of key biological concepts- typed 5-8 paragraph explanation of how representation relates to key concepts submitted via SafeAssign4. **Hit Single**- Submit audio file by sharing via google drive with lpeppers2@wcpss.net- 4 color drawing (draft of album cover)- typed song lyrics and explanation of tune selection, figurative language used in song, and explanation of album artwork, submitted via SafeAssign5. **Long Poem**- typed poem (extended poetic formats include: ballad, epic, free verse, elegy, ode, narrative)- incorporation/explanation of key concepts- 4 color accompanying illustration- 2-4 paragraph description of illustration and connection to poem/concepts- poem and explanation submitted as a single document via SafeAssign6. **Diorama or 3-dimensional object**- typed 5-8 paragraph explanation of how the objects/setting are representative of key concepts, submitted via SafeAssign 7. ***Alternative proposals*** must be approved by Mrs. Peppers no later than Monday 12/7/15. | **Creative Work Product Rubric****5 Points - (a WOW product)*** all of the requirements are evident and EXCEEDED
* the product is VERY neatly done and EXTREMELY well organized
* the product shows LOTS of creativity and is colorfully illustrated

**4 Points - (What is EXPECTED)*** all of the requirements are evident
* the product is neatly done and well organized
* the product shows creativity and is colorfully illustrated

**3 Points – (Almost What is EXPECTED)*** the majority of the requirements are evident
* the product is neatly done and organized
* the product shows some creativity and is illustrated
* completed on time

**2 Points – (Sort of What is EXPECTED)*** some of the requirements are evident
* the product is done and sort of organized
* the product shows little creativity and is illustrated
* completed on time

**1 Point – (Just got started)*** MANY of the requirements are NOT PRESENT
* the product is VERY POORLY done and POORLY organized
* the product shows little TO NO creativity and THE illustrations IS POORLY DONE

**0 Points - (Does not meet Standards)*** Unscorable or no product
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This assignment will be weighted as a **double exam/project grade** in the second quarter, and used to demonstrate understanding of the course as a whole, as well as prepare students for the final exam. The state end of course (EOC) exam will serve as the final exam in WECHS Honors Biology, and will comprise 25% of the course grade.